

THIRTIETH CENSUS OF  
THE UNITED STATES: 1910

ABSTRACT

Digitized by the Internet Archive  
in 2008 with funding from  
Microsoft Corporation

<http://www.archive.org/details/1910census00unitrich>



**FILE COPY**  
**INFORMATION BUREAU**  
SAC, NEW YORK      SAC, PHOENIX







DEPARTMENT OF COMMERCE AND LABOR

165 - BUREAU OF THE CENSUS

E. DANA DURAND, DIRECTOR

---

# THIRTEENTH CENSUS OF THE UNITED STATES

TAKEN IN THE YEAR 1910

---

## ABSTRACT OF THE CENSUS

STATISTICS OF POPULATION, AGRICULTURE, MANUFACTURES, AND MINING  
FOR THE UNITED STATES, THE STATES, AND PRINCIPAL CITIES

WITH

## SUPPLEMENT FOR CALIFORNIA

CONTAINING STATISTICS FOR THE STATE  
COUNTIES, CITIES, AND OTHER DIVISIONS



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1913

ORGANIZATION OF THE BUREAU OF THE CENSUS  
DURING THE THIRTEENTH DECENNIAL CENSUS : 1909-1912



DIRECTOR

E. DANA DURAND

ASSISTANT DIRECTOR

WILLIAM F. WILLOUGHBY : 1909-1911

ROLAND P. FALKNER : : : 1911-1912

CHIEF CLERK

WILLIAM S. ROSSITER, 1909 : ALBERTUS H. BALDWIN, 1909-1910

VOLER V. VILES, 1910-1911 : WILLIAM A. HATHAWAY, 1911-1912

DIVISION OF POPULATION

WILLIAM C. HUNT, CHIEF STATISTICIAN

DIVISION OF AGRICULTURE

LE GRAND POWERS, CHIEF STATISTICIAN

JOHN LEE COULTER, EXPERT SPECIAL AGENT ON AGRICULTURE

RAY PALMER TEELE, EXPERT SPECIAL AGENT ON IRRIGATION

DIVISION OF MANUFACTURES

WILLIAM M. STEUART, CHIEF STATISTICIAN

ISAAC A. HOURWICH, EXPERT SPECIAL AGENT ON MINING

DIVISION OF VITAL STATISTICS

CRESSY L. WILBUR, CHIEF STATISTICIAN

DIVISION OF REVISION AND RESULTS

JOSEPH A. HILL, CHIEF STATISTICIAN

GEOGRAPHER

CHARLES S. SLOANE

# CONTENTS.

## SUMMARY OF CHAPTERS.

INTRODUCTION.....	Page. 15
POPULATION.	
1. NUMBER AND DISTRIBUTION OF INHABITANTS.....	21
2. COLOR OR RACE, NATIVITY, PARENTAGE; SEX; POPULATION 21 YEARS OF AGE AND OVER; MALES OF MILITIA AGE.....	77
3. AGE AND MARITAL CONDITION.....	121
4. STATE OF BIRTH OF NATIVE POPULATION.....	169
5. POPULATION OF FOREIGN BIRTH AND FOREIGN PARENTAGE, BY COUNTRY OF ORIGIN.....	187
6. THE FOREIGN-BORN POPULATION—DATE OF IMMIGRATION.....	215
7. SCHOOL ATTENDANCE AND ILLITERACY.....	219
8. DWELLINGS AND FAMILIES.....	259
AGRICULTURE.	
9. FARMS AND FARM PROPERTY.....	265
10. TENURE, MORTGAGE INDEBTEDNESS, COLOR AND NATIVITY OF FARMERS, AND SIZE OF FARMS.....	285
11. LIVE STOCK ON FARMS AND ELSEWHERE.....	309
12. LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS SOLD OR SLAUGHTERED ON FARMS.....	343
13. FARM CROPS—ACREAGE, PRODUCTION, AND VALUE.....	359
14. IRRIGATION AND IRRIGATED CROPS.....	422
MANUFACTURES.	
15. STATISTICS FOR STATES, CITIES, AND INDUSTRIES.....	437
MINES AND QUARRIES.	
16. MINES AND QUARRIES.....	541

## ABSTRACT OF THE CENSUS.

### INTRODUCTION.

Scope and character of the report.....	Page. 13	Organization of the Thirteenth Decennial Census.....	Page. 15
--	-------------	--	-------------

### POPULATION.

CHAPTER 1.—NUMBER AND DISTRIBUTION OF INHABITANTS.		MAPS.		Page.
Population of the United States and of states and territories.....	Page. 21	Per cent of increase in total population, by states: 1900-1910..		23
Area of enumeration in 1910.....	21	Population per square mile, by states: 1910.....		29
United States.....	21	Center of population at each census: 1790-1910.....		31
Divisions and states.....	22	Per cent urban in total population, by states: 1910.....		54
Rank according to population: 1790-1910.....	24	Per cent of increase in urban population, by states: 1900-1910.....		58
Apportionment of representation.....	26	Per cent of increase in rural population, by states: 1900-1910..		58
Population for apportionment purposes: 1910.....	26	CHAPTER 2.—COLOR OR RACE, NATIVITY, PARENTAGE; SEX; POPULATION 21 YEARS OF AGE AND OVER; MALES OF MILITIA AGE.		
Number of members in the House of Representatives under each apportionment: 1789-1910.....	27	Color or race, nativity, and parentage of the total population..		77
Area and density of population.....	28	United States as a whole.....		77
Area.....	28	General summary: 1910 and 1900.....		77
Population per square mile.....	28	White and negro population.....		78
Center of population.....	30	Indian, Chinese, and Japanese population.....		79
Population of counties.....	32	Black and mulatto population.....		79
Urban and rural population.....	54	Native and foreign-born population.....		80
Proportion urban and rural.....	54	White population by nativity and parentage.....		80
Increase in urban and rural population.....	55	Divisions and states.....		81
Communities classified according to size.....	59	Population by color or race, nativity, and parentage..		81
Proportion in the several classes of communities.....	59	White population by nativity and parentage.....		88
Growth of the several classes of urban communities.....	60	Increase by color or race, nativity, and parentage....		89
Metropolitan districts.....	61			
Population of individual cities.....	63			

Color or race, nativity, and parentage of the total population—Continued.	Page.
Urban and rural population	91
Principal cities	93
Classification by sex	97
United States as a whole	97
General summary: 1910 and 1900	97
Comparison with earlier censuses	97
Divisions and states	98
Urban and rural population	102
Principal cities	103
Population 21 years of age and over	106
All persons 21 years of age and over	106
General summary: 1910	106
Sex ratios, by divisions and states	106
Males 21 years of age and over	107
United States as a whole	107
Divisions and states	108
Urban and rural communities	112
Principal cities	113
Citizenship of foreign-born whites	116
Females 21 years of age and over	117
Males of militia age (18 to 44 years)	119

## DIAGRAMS.

Color or race, nativity, and parentage, by states: 1910	87
Color or race, nativity, and parentage, by divisions: 1910 and 1900	88
Color or race, nativity, and parentage, in urban and rural communities, by divisions: 1910	91
Color or race, nativity, and parentage in cities of 100,000 inhabitants or more: 1910	94
Number of males to 100 females in urban and rural communities, by divisions: 1910	102
Color or race, nativity, and parentage of males 21 years of age and over, by states: 1910	109
Color or race, nativity, and parentage of males 21 years of age and over in urban and rural communities, by divisions: 1910	112

## MAPS.

Percentage of negroes in the total population: 1910	84
Percentage of foreign-born whites in the total population: 1910	84
Percentage of native whites of foreign or mixed parentage in the total population: 1910	85
Percentage of foreign-born whites and native whites of foreign or mixed parentage combined in the total population: 1910	85
Ratio of males to females in the total population: 1910	98

## CHAPTER 3.—AGE AND MARITAL CONDITION.

Age:	
United States as a whole	121
Classification by 5-year age periods: 1910	121
Classification by broader age periods: 1910	125
Comparison with previous censuses	127
Divisions and states	128
Geographic divisions	128
Urban and rural communities	129
Principal cities	130
Marital condition:	
United States as a whole	146
Age groups	147
Color or race, nativity, and parentage classes	148
Comparisons with previous censuses	151
Divisions and states	153
Total population, by divisions	153
Color or race, nativity, and parentage classes, by divisions	153
States	155
Urban and rural communities	155
Principal cities	155

## DIAGRAMS.

Distribution by age periods of total population: 1910	121
Distribution by age periods of the principal classes of the population: 1910:	
Native white of native parentage	124
Native white of foreign or mixed parentage	124
Foreign-born white	124
Negro	124
Distribution by age periods of native white and negro and of foreign-born population: 1910	125
Distribution by age periods of total population, by divisions: 1910	128
Distribution by age periods of urban and rural population, by divisions: 1910	129
Marital condition of population: 1910	147
Marital condition of principal classes of the population, by age periods: 1910	151
Marital condition of the total population 15 years of age and over, by divisions: 1910	153

## CHAPTER 4.—STATE OF BIRTH OF NATIVE POPULATION.

General extent of migration of native population within the United States	169
Interdivisional migration	170
Division of birth in relation to division of residence	173
Migration of native white and native negro population	174
Migration to the several divisions from other divisions and from foreign countries	174
Migration to the several states from other states and from foreign countries	175
Interstate migration	176
State of birth in relation to state of residence	177

## MAPS.

Gain or loss in native population by interstate migration: 1910	176
Percentage of population born in each state living in other states: 1910	178
Percentage of native population living in each state born in other states: 1910	178

## DIAGRAMS.

Distribution of total population of each state, by place of birth: 1910	177
Distribution of natives of each state, by place of residence: 1910	177
Migration of native population from and to each state: 1910	186

## CHAPTER 5.—POPULATION OF FOREIGN BIRTH AND FOREIGN PARENTAGE, BY COUNTRY OF ORIGIN.

Definition of terms	187
Mother-tongue statistics	187
United States as a whole	188
Total foreign born, by country of birth: 1910 and 1900	188
Comparison for censuses of 1860 to 1910	190
Immigration in relation to foreign-born population	190
Foreign born, by sex	191
Foreign born from Germany, Austria, Hungary, and Russia, classified by mother tongue	192
Foreign white stock: 1900 and 1910	192
Divisions and states	195
Total foreign born, by divisions	195
Foreign white stock, by divisions	198
Foreign born and foreign white stock, by states	199
In urban and rural communities	199
In principal cities	200

## DIAGRAMS.

Foreign-born population, by principal countries of birth: 1910 and 1900	189
Per cent of the foreign-born population born in the principal countries: 1910	189



	Page.
Per cent of the foreign-born population born in the principal countries: 1900.....	189
Per cent of the foreign white stock, by principal countries of origin: 1910.....	192
Foreign white stock, by principal countries of origin: 1910.....	194

#### CHAPTER 6.—FOREIGN-BORN POPULATION—DATE OF IMMIGRATION.

United States as a whole.....	215
Divisions and states.....	216
Urban and rural communities.....	217
Principal cities.....	218

#### CHAPTER 7.—SCHOOL ATTENDANCE AND ILLITERACY.

School attendance.....	219
United States as a whole: 1909-10.....	219
Persons attending school:	
Classified by color or race, nativity, and parentage.....	219
Classified by sex.....	219
Classified by age groups.....	220
Percentage attending school:	
Classified by age groups.....	220
Classified by color or race, nativity, and parentage.....	221
Classified by sex.....	222
Urban and rural population.....	222
Divisions and states: 1909-10.....	223
Number and percentage attending school, by age groups:	
Persons 6 to 20 years of age.....	223
Children 6 to 14 years of age.....	225
Persons 6 to 20 years of age, urban and rural.....	226
Principal cities: 1909-10.....	231
Comparative summary: 1910 and 1900.....	236
United States as a whole.....	236
Divisions and states.....	236

#### CHAPTER 9.—FARMS AND FARM PROPERTY.

	Page.
United States as a whole: 1910 and 1900.....	265
Farms and farm land, by divisions and states: 1910 and 1900.....	266
Geographic distribution of farms and farm land.....	266
Increases and decreases: 1900-1910.....	267
Percentage of land in farms and percentage improved.....	270
Average size of farms.....	271
Value of farm property, by divisions and states: 1910 and 1900.....	274
Geographic distribution of farm values.....	274
Increase in value of farm property.....	274
Average value of farm property per acre of land.....	278
Average value of farm property per farm.....	278
Farms and farm property: 1850 to 1910.....	281
United States as a whole.....	281
Geographic divisions.....	282

#### MAPS.

Per cent land in farms forms of total land area, by counties: 1910.....	272
Per cent improved land in farms forms of total land area, by counties: 1910.....	273
Average value of land in farms per acre, by counties: 1910.....	275

#### CHAPTER 10.—TENURE, MORTGAGE INDEBTEDNESS, COLOR AND NATIVITY OF FARMERS, AND SIZE OF FARMS.

Tenure of farms.....	285
United States as a whole: 1910 and 1900.....	285
Geographic divisions.....	286
Main tenure classes: 1910 and 1900.....	286
Number of farms for all tenure groups: 1910 and 1900.....	288
States: 1910 and 1900.....	289

	Page.
Illiteracy.....	239
Population 10 years of age and over:	
United States as a whole.....	239
Number of illiterates.....	239
Percentage of illiteracy.....	239
Sex.....	240
Age groups.....	240
Urban and rural population.....	240
Divisions and states.....	242
Percentage of illiteracy.....	243
Sex.....	248
Urban and rural population.....	248
Principal cities.....	249
Children from 10 to 14 years of age.....	254
United States as a whole.....	254
Divisions and states.....	254
Males 21 years of age and over.....	255
United States as a whole.....	255
Divisions and states.....	255
Principal cities.....	255

#### MAPS.

Percentage of illiteracy in the population 10 years of age and over: 1910.....	246, 247
Total population.....	246
Native whites of native parentage.....	246
Foreign-born whites.....	247
Negroes.....	247

#### CHAPTER 8.—DWELLINGS AND FAMILIES.

United States as a whole.....	259
Divisions and states.....	259
Urban and rural communities.....	260
Principal cities.....	260

### AGRICULTURE.

	Page.
Farm mortgages.....	292
Number of farms mortgaged.....	292
Amount of mortgage debt.....	293
Statistics by states.....	295
Color and nativity of farmers.....	296
Number of native white, foreign-born white, and colored farmers, by tenure: 1910.....	296
Number of farmers, classified by color: 1910 and 1900.....	298
Country of birth of white farmers: 1910.....	298
Color and tenure of farmers in the South: 1910 and 1900.....	299
Farms, classified by size.....	303
United States as a whole: 1910 and 1900.....	303
Geographic divisions.....	303
States: 1910 and 1900.....	306

#### DIAGRAMS.

Number of farms, classified by character of tenure of operator: 1910.....	289
Acreage of all land in farms, classified by character of tenure of operator: 1910.....	289
Number of farms operated by their owners, free and mortgaged: 1910.....	293
Number of farms, classified by color and nativity of operator: 1910.....	296

#### CHAPTER 11.—LIVE STOCK ON FARMS AND ELSEWHERE.

All live stock on farms.....	309
Domestic animals on farms.....	310
Cattle on farms.....	313
United States as a whole.....	313
Divisions and states.....	314

	Page.		Page.
Horses, mules, and asses and burros on farms.....	319	The cereals—Continued.....	
United States as a whole.....	319	Oats.....	382
Divisions and states.....	320	Barley.....	386
Swine on farms.....	327	Rye.....	386
United States as a whole.....	327	Buckwheat.....	386
Divisions and states.....	327	Emmer and spelt.....	387
Sheep and goats on farms.....	329	Kafir corn and milo maize.....	387
United States as a whole.....	329	Rice.....	387
Divisions and states.....	330	Other grains and seeds.....	392
Poultry on farms.....	334	Dry edible beans and dry peas.....	392
Bees on farms.....	337	Peanuts.....	393
Domestic animals not on farms.....	337	Flaxseed.....	393
Domestic animals on farms and not on farms.....	342	Grass seed and flower and vegetable seeds.....	394
		Minor seeds with acreage reports.....	395
		Hay and forage.....	396
		Vegetables.....	398
		Potatoes.....	398
		Sweet potatoes and yams.....	399
		Other vegetables.....	401
		Tobacco.....	402
		Cotton and cotton seed.....	404
		Sugar crops.....	406
		Sugar cane and products.....	406
		Sorghum cane and sirup, sugar beets, and maple sugar and sirup.....	407
		Sundry minor crops.....	408
		Broom corn, hemp, hops, miscellaneous, and by-products.....	408
		Fruits and nuts.....	409
		Small fruits.....	409
		Orchard fruits.....	410
		Apples.....	411
		Peaches and nectarines.....	412
		Pears.....	412
		Plums and prunes.....	413
		Cherries.....	413
		Apricots.....	414
		Quinces.....	414
		Grapes.....	414
		Tropical and subtropical fruits.....	415
		Oranges, lemons, pomeloes (grapefruit), other citrus fruits, figs, pineapples, and olives.....	415
		Other tropical and subtropical fruits.....	416
		All nuts.....	416
		Almonds, pecans, and Persian or English walnuts.....	416
		Flowers and plants, nursery products, and forest products.....	418
		MAPS.	
		All farm crops—Value, by states: 1909.....	371
		Acreage, by states: 1909:	
		All cereals.....	376
		Corn.....	384
		Wheat.....	384
		Oats.....	385
		Hay and forage.....	385
		Cotton.....	405
		Fruits and nuts—Value, by states: 1909.....	417
		DIAGRAMS.	
		Land area, distribution: April 15, 1910.....	362
		Crop acreage: 1909.....	362
		Improved land, distribution: 1909.....	362
		Improved land, distribution: 1899.....	362
		Value of all crops, distribution by crops: 1909.....	362
		Value of all crops, distribution by divisions: 1909.....	362
		Value of all crops, distribution by crops, by divisions: 1909.....	366

	Page.
All cattle on farms—Number, by states: April 15, 1910.....	318
Dairy cows on farms—Number, by states: April 15, 1910.....	318
All horses, mules, and asses and burros on farms—Number, by states: April 15, 1910.....	326
All swine on farms—Number, by states: April 15, 1910.....	326
All sheep on farms—Number, by states: April 15, 1910.....	331
All fowls on farms—Number, by states: April 15, 1910.....	335

#### CHAPTER 12.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS SOLD OR SLAUGHTERED ON FARMS.

Dairy products.....	343
United States as a whole: 1909 and 1899.....	343
Divisions and states.....	344
Production of dairy products: 1909 and 1899.....	344
Sales of dairy products: 1909 and 1899.....	346
Wool and mohair.....	350
United States as a whole: 1909 and 1899.....	350
Divisions and states: 1909 and 1899.....	350
Mohair and goat hair: 1909 and 1899.....	351
Poultry and eggs.....	353
United States as a whole: 1909 and 1899.....	353
Divisions and states: 1909 and 1899.....	354
Honey and wax: 1909 and 1899.....	356
Domestic animals sold or slaughtered on farms.....	356
United States as a whole: 1909.....	356
Divisions and states: 1909.....	357

#### CHAPTER 13.—FARM CROPS—ACREAGE, PRODUCTION, AND VALUE.

Crops in general.....	359
United States as a whole.....	359
Acreage and value of all crops: 1909 and 1899.....	359
Relative importance of different crops: 1909 and 1899.....	361
Relation of prices to increase in value: 1899 to 1909.....	363
Increase of crop production and consumption: 1899 to 1909.....	364
Acreage of leading crops: 1879 to 1909.....	364
Divisions and states.....	364
Distribution of all crops, by divisions: 1909 and 1899.....	364
Relative importance of leading crops in the total production of each division, section, and state: 1909.....	365
Relative importance of the divisions and sections in the production of leading crops: 1909.....	368
Acreage and value of crops, by states: 1909 and 1899.....	369
Sale and purchase of feedable crops: 1909.....	371
Expenditures for labor and fertilizers on farms.....	372
Expenditures for labor: 1909 and 1899.....	372
Expenditures for fertilizers: 1909 and 1899.....	374
The cereals.....	378
Corn.....	378
Wheat.....	380

## CHAPTER 14.—IRRIGATION AND IRRIGATED CROPS.

	Page.
The arid region.....	422
Summary.....	422
Farms and acreage irrigated.....	423
Number of farms irrigated.....	423
Acreage irrigated.....	423
Acreage irrigated in 1909, acreage enterprises were capable of irrigating in 1910, and acreage included in projects.....	424
Acreage irrigated, classified by source of water supply.....	425
Irrigation works.....	426
Number of enterprises and number and length of ditches.....	426
Reservoirs, wells, and pumping plants.....	426

	Page.
Cost.....	427
Average cost per acre.....	427
Average cost per acre, by type of enterprise.....	428
Average cost per acre, by size groups.....	428
Operation and maintenance.....	429
Crops.....	429
Average yields per acre.....	430
Average values per acre.....	430
Comparison with preceding census.....	431
Irrigation for rice growing.....	431
Louisiana, Texas, and Arkansas.....	432
Farms reporting.....	432
Acreage irrigated.....	432

## MANUFACTURES.

## CHAPTER 15.—STATISTICS FOR STATES, CITIES, AND INDUSTRIES.

	Page.
General summary.....	437
Continental United States and noncontiguous territory.....	437
Explanation of terms.....	437
United States as a whole.....	438
Comparison for 1909, 1904, and 1899.....	438
Comparison with earlier censuses.....	439
Leading industries.....	440
States and geographic divisions.....	444
Fifty leading cities.....	448
Distribution according to size of communities.....	449
Persons engaged in manufacturing industries.....	451
Definitions and explanations.....	451
United States as a whole.....	452
Occupational status by leading industries.....	453
Comparison with previous censuses as to occupational status.....	454
Sex and age distribution, by leading industries.....	454
Sex and age distribution, by states.....	456
Comparison with previous censuses as to sex and age.....	457
Comparison of sex and age distribution in selected industries: 1909, 1904, and 1899.....	457
Divisions and states: 1909, 1904, and 1899.....	458
Wage earners employed, by months.....	459
Character of ownership.....	461
Summary for United States.....	461
Proportion of business done by corporations in the principal industries: 1909 and 1904.....	461
Proportion of business done by corporations, by states: 1909 and 1904.....	462
Size of establishments.....	464
Summary for United States.....	464
Relative importance of establishments producing products valued at \$1,000,000 or over in the principal industries.....	465
Relative importance of establishments producing products valued at \$1,000,000 or over, by states.....	466
Establishments grouped by number of wage earners.....	468
Distribution of expenses.....	470
Leading industries.....	470
States.....	470
Engines and power.....	471
Summary for United States: 1909, 1904, and 1899.....	471
Leading industries.....	472
States.....	473
Supplementary data regarding important industries.....	475
Food and kindred products.....	475
Butter, cheese, and condensed milk.....	475
Canning and preserving.....	475
Flour-mill and gristmill products.....	476
Rice, cleaning and polishing.....	477

## Supplementary data regarding important industries—Contd.

	Page.
Food and kindred products—Continued.....	
Slaughtering and meat packing.....	477
Sugar.....	478
Textiles.....	479
Carpets and rugs.....	480
Cordage and twine and jute and linen goods.....	481
Cotton goods, including cotton small wares.....	482
Felt goods.....	482
Hats, fur-felt and wool-felt.....	483
Hosiery and knit goods.....	483
Oilcloth and linoleum.....	484
Shoddy.....	485
Silk and silk goods.....	485
Woolen and worsted goods.....	486
Iron and steel.....	487
Blast furnaces.....	488
Steel works and rolling mills.....	488
Tin plate and terneplate.....	491
Wire.....	492
Leather and its products.....	492
Leather.....	493
Boots and shoes.....	493
Gloves and mittens, leather.....	494
Chemicals and allied products.....	494
Chemicals.....	495
Coke.....	496
Dyestuffs and extracts.....	496
Explosives.....	497
Fertilizers.....	498
Gas, illuminating and heating.....	498
Glucose and starch.....	499
Cottonseed oil and cake.....	499
Oil, essential.....	500
Paint and varnish.....	500
Petroleum, refining.....	501
Salt.....	501
Soap.....	501
Sulphuric, nitric, and mixed acids.....	502
Turpentine and rosin.....	503
Clay, glass, and stone products.....	503
Brick and tile, and pottery, terra-cotta, and fire-clay products.....	503
Cement.....	503
Glass.....	504
Lime.....	504
Vehicles for land transportation.....	504
Automobiles.....	504
Bicycles and motorcycles, and parts.....	505
Carriages and wagons and materials.....	505
Cars and general shop construction and repairs by steam-railroad companies.....	505

Supplementary data regarding important industries—Contd.	
Vehicles for land transportation—Continued.	Page.
Cars and general shop construction and repairs by street-railroad companies.....	506
Cars, steam-railroad.....	506
Cars, street-railroad.....	507
Miscellaneous industries.....	507
Agricultural implements.....	507
Electrical machinery, apparatus, and supplies.....	507
Ice, manufactured.....	508
Lumber and timber products.....	508
Pianos and organs and materials.....	509
Paper and wood pulp.....	509
Phonographs and graphophones.....	510
Printing and publishing.....	511
Shipbuilding, including boat building.....	512
Laundries.....	513
Small custom sawmills and gristmills.....	513

## GENERAL TABLES.

Table 110.—Comparative summary for the United States, by specified industries: 1909, 1904, and 1899.....	514
--	-----

Table 111.—Comparative summary for the United States, by states: 1909, 1904, and 1899.....	525
Table 112.—Comparative summary for the 25 principal cities: 1909, 1904, and 1899.....	528
Table 113.—Cities of 10,000 inhabitants or over—Number of establishments, average number of wage earners, value of products, and value added by manufacture: 1909, 1904, and 1899.....	529

## MAP.

Value of products of manufactures: 1909.....	444
--	-----

## DIAGRAMS.

Value of products, by industries: 1909 and 1899.....	436
Per cent distribution of value of products, by industries: 1909.....	443
Per cent distribution of average number of wage earners, by industries: 1909.....	443
Value of products, by states: 1909 and 1899.....	446
Average number of wage earners, by states: 1909 and 1899.....	447
Value of products for principal cities: 1909.....	450

## MINES AND QUARRIES.

## CHAPTER 16.—MINES AND QUARRIES.

General summary.....	Page.
Continental United States and noncontiguous territory.....	541
Producing and nonproducing mines.....	541
Geographic distribution of producing enterprises.....	542
Principal mining industries.....	544
General comparison for the United States: 1902-1909.....	544
Geographic distribution of the principal industries.....	546
Persons engaged in mining industries.....	548
Distribution by sex and age.....	548
Distribution by industrial status.....	548
Proprietors performing manual labor.....	549
Wage earners, by occupation.....	549
Contract work.....	550
Number of persons employed, by months.....	550
Prevailing hours of labor.....	551

Land tenure.....	Page.
Form of organization.....	552
Size of enterprises.....	553
Classification according to number of wage earners.....	553
Classification according to value of products.....	555
Distribution of expenses.....	555
Engines and power.....	556
Quantity of minerals.....	556

## DIAGRAMS.

Value of products of mining industries: 1909.....	543
Value of products of mining industries: by states, 1902 and 1909; by divisions, 1909 (based on Tables 25 and 27).....	543
Value of products, by industries: 1902 and 1909 (based on Tables 4 and 26).....	545
Value of products of leading industries, by states: 1909.....	546

## SUPPLEMENT FOR THE STATE OF CALIFORNIA.

## POPULATION.

## CHAPTER 1.—NUMBER OF INHABITANTS.

Total population, increase, and distribution.....	Page.
Population of the state.....	568
Comparison of the rates of increase with those for the United States as a whole.....	568
Principal cities.....	568
Number and percentage of increase over preceding census of eight of the principal cities.....	569
Counties.....	569
Density of population.....	569
Minor civil divisions.....	570
Urban and rural population compared.....	570
Rate of growth.....	571

## PRINCIPAL TABLES.

Table 1.—Population of minor civil divisions: 1910, 1900, and 1890.....	574
Table 2.—Population of incorporated places: 1910, 1900, and 1890.....	582

## MAPS.

Increase or decrease of population.....	572
Density of population.....	573

## CHAPTER 2.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION.

Color, nativity, and sex.....	Page.
State of birth.....	585
Foreign nationalities.....	585
Voting and militia ages.....	586
School attendance and illiteracy.....	586
Marital condition and dwellings and families.....	586

## PRINCIPAL TABLES.

Table I.—Composition and characteristics of the population for the state and for counties.....	598
Table II.—Composition and characteristics of the population for cities of 25,000 or more.....	610
Table III.—Composition and characteristics of the population for cities of 10,000 to 25,000.....	612
Table IV.—Composition and characteristics of the population for places of 2,500 to 10,000.....	613
Table V.—Composition and characteristics of the population for wards (or assembly districts) of cities of 50,000 or more.....	615

## MAPS.

Per cent of foreign-born white in total population: 1910.....	597
Per cent of native white of foreign or mixed parentage in total population: 1910.....	597

## AGRICULTURE.

## CHAPTER 3.—STATISTICS FOR THE STATE AND ITS COUNTIES.

	Page.
Definitions.....	619
Total value of farm products.....	619
Farms and farm property.....	621
Progress during the decade 1900-1910.....	621
Irrigation.....	622
Population, number of farms, farm acreage: 1850 to 1910.....	622
Values of farm property: 1850 to 1910.....	623
Average acreage and values per farm: 1850 to 1910.....	623
Farm tenure: 1880 to 1910.....	624
Farm mortgages: 1890 to 1910.....	625
Farms, by size groups: 1910 and 1900.....	626
Color and nativity of farmers: 1910.....	627
Domestic animals, poultry, and bees.....	627
Domestic animals on farms: 1910.....	627
Poultry on farms: 1910 and 1900.....	628
Bees on farms: 1910 and 1900.....	628
Domestic animals not on farms: 1910.....	628
Domestic animals on farms and not on farms: 1910.....	628
Live stock products.....	629
Dairy products: 1909 and 1899.....	629
Wool: 1909 and 1899.....	629
Goat hair and mohair: 1909 and 1899.....	630
Poultry products: 1909 and 1899.....	630
Honey and wax: 1909.....	630
Sale or slaughter of domestic animals: 1909 and 1899.....	630
Crops.....	631
Summary: 1909 and 1899.....	631
General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.....	632
Vegetables, flowers and plants, and nursery products: 1909 and 1899.....	634
Small fruits: 1909 and 1899.....	634
Orchard fruits, grapes, nuts, and tropical fruits: 1909 and 1899.....	634
Forest products: 1909 and 1899.....	635
Sugar crops: 1909 and 1899.....	635
Miscellaneous crops: 1909.....	636
Selected farm expenses and receipts.....	636
Farm expenses: 1909 and 1899.....	636
Receipts from sale of feedable crops: 1909.....	636

## PRINCIPAL TABLES.

Table 1.—Farms and farm property, by counties: April 15, 1910.....	638
Table 2.—Number, acreage, and value of farms classified by tenure; color and nativity of farmers; and mortgage debt, by counties: April 15, 1910.....	644
Table 3.—Live stock products, and domestic animals sold or slaughtered on farms, by counties: 1909.....	644
Table 4.—Value of all crops and principal classes thereof, and acreage and production of principal crops, by counties: 1909.....	650
Table 5.—Selected farm expenses and receipts, by counties: 1909.....	656
Table 6.—Number and value of domestic animals not on farms, by counties: April 15, 1910.....	657

## MAPS.

Per cent of land area in farms.....	620
Average value of farm land per acre.....	620

## CHAPTER 4.—STATISTICS OF IRRIGATION FOR THE STATE AND ITS COUNTIES.

Definition of terms.....	659
Farms and acreage irrigated.....	661
Number of farms irrigated.....	661
Acreage irrigated.....	661
Acreage included in projects.....	662

Farms and acreage irrigated—Continued.....	Page.
Acreage irrigated, classified by character of enterprise.....	662
Acreage irrigated, classified by source of water supply.....	663
Irrigation works.....	663
Cost of construction, operation, and maintenance.....	663
Crops.....	664
Acreage.....	665
Yield.....	666
Acreage irrigated, cost of enterprises, etc., by counties: 1909 and 1910.....	667

## MAPS.

Per cent of land area irrigated.....	660
Per cent of number of farms irrigated.....	660

## MANUFACTURES.

## CHAPTER 5.—STATISTICS FOR STATE, CITIES, AND INDUSTRIES.

Definition of terms.....	673
Industries in general.....	675
General character of the state.....	675
Importance and growth of manufactures.....	675
Persons engaged in manufacturing industries.....	679
Wage earners employed, by months.....	681
Prevailing hours of labor.....	682
Location of establishments.....	683
Character of ownership.....	686
Size of establishment.....	687
Expenses.....	690
Engines and power and fuel.....	691
Supplementary data regarding important industries.....	692
Lumber and timber products.....	692
Slaughtering and meat packing.....	692
Canning and preserving.....	693
Flour-mill and gristmill products.....	694
Printing and publishing.....	694
Petroleum, refining.....	695
Butter, cheese, and condensed milk.....	696
Leather, tanned, curried, and finished.....	696
Laundries.....	697
Custom sawmills and gristmills.....	697

## PRINCIPAL TABLES.

Table I:	
Comparative summary for 1909, 1904, and 1899.....	698
The state—All industries combined and selected industries.....	698
Cities of 50,000 inhabitants or more—All industries combined and selected industries.....	700
Cities of 10,000 to 50,000 inhabitants—All industries combined.....	705
Table II: Detail statement for the state, by industries: 1909.....	706
Table III:	
Detail statement for cities.....	710
Cities of 50,000 inhabitants or more, by industries.....	710
Cities of 10,000 to 50,000 inhabitants—All industries combined.....	712

## MINES AND QUARRIES.

## CHAPTER 6.—MINES AND QUARRIES.

Definition of terms.....	715
Summary.....	716
Character of organization.....	716
Size of enterprises.....	716
Persons employed in mining.....	717
Prevailing hours of labor.....	717
Engines and power.....	717
Nonproducing enterprises.....	718
Comparison of mining industries: 1902-1909.....	719
Duplication between manufactures and mining.....	719
Detailed statistics for mining industries: 1909.....	720



## LETTER OF TRANSMITTAL.

---

DEPARTMENT OF COMMERCE AND LABOR,

BUREAU OF THE CENSUS,

*Washington, D. C., December 21, 1912.*

SIR:

I have the honor to transmit herewith the Abstract of the Thirteenth Decennial Census, with supplement for the state of California. The volume is divided into two sections, the first relating to the United States as a whole, to the different states, and to the principal cities; and the second relating to the state of California, its counties, cities, and other civil divisions. In condensed form the first section contains the principal statistics gathered at the decennial enumeration of 1910 on the subjects of population (except occupation statistics), agriculture, manufactures, and mining. In the second section of the volume the same subjects are treated with greater detail for the state of California, and the material here presented embraces all of the census results to be published concerning that state, its counties, cities, and other civil divisions, except as to occupations.

Other editions of the Abstract are being issued with supplements relating to the other states and to the District of Columbia, Alaska, Hawaii, and Porto Rico, respectively. The various editions are identical, so far as the first section is concerned.

Respectfully,

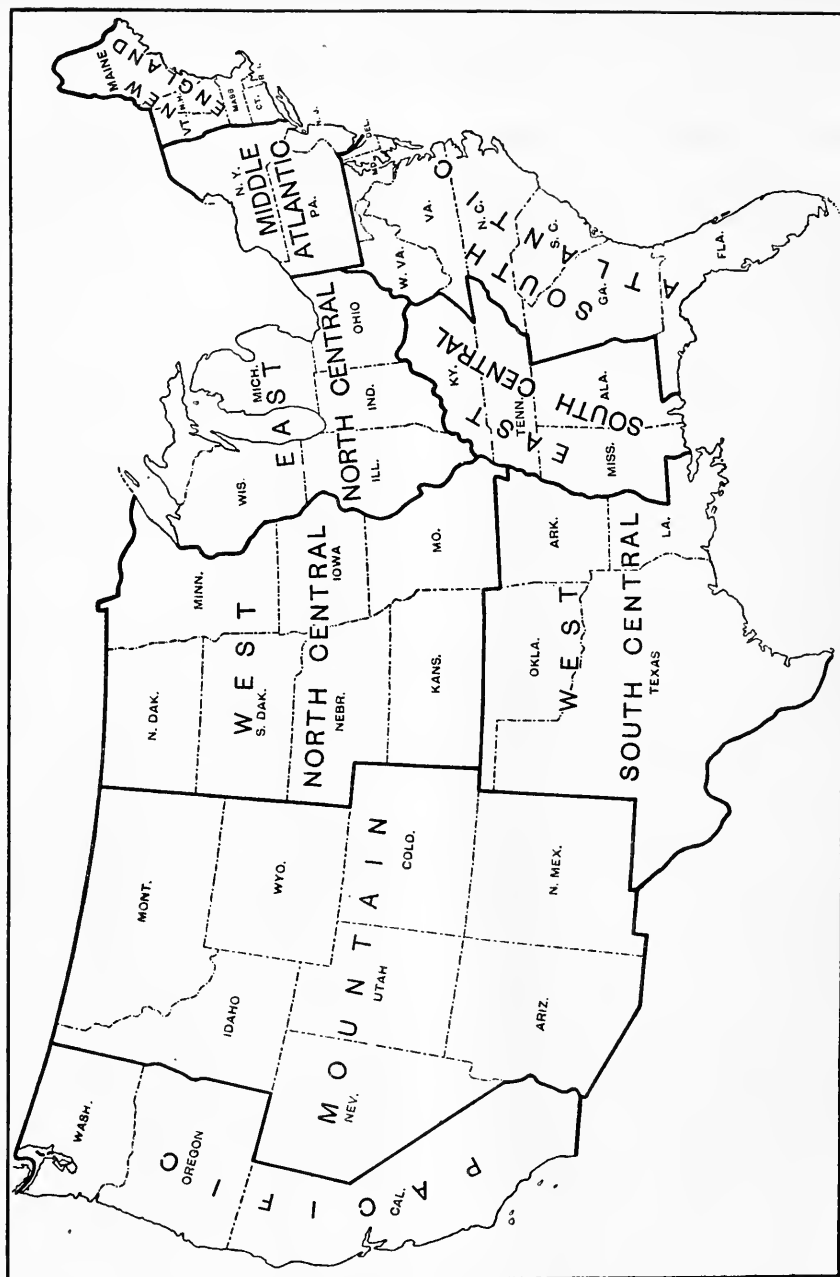


*Director of the Census.*

HON. CHARLES NAGEL,

*Secretary of Commerce and Labor.*

GEOGRAPHIC DIVISIONS.





# INTRODUCTION.

## SCOPE AND CHARACTER OF THE REPORT.

The present volume gives a report in condensed form of the Thirteenth Decennial Census of the United States, taken in the year 1910. It covers the four principal branches—Population, Agriculture, Manufactures, and Mines and Quarries—and is complete as to all the subjects comprised under these four branches, except the subject of occupations and one or two minor inquiries of the population schedule, the data for which have not yet been fully tabulated.

Most of the results of the census for individual states and for the country as a whole have been published from time to time in the form of press notices and preliminary bulletins, but the present report is the first general publication covering all topics.

*Combination of condensed summary with detailed state presentation.*—For a group of statistical inquiries covering as many subjects as the decennial census of the United States, an exhaustive report giving results for the smaller geographic units, such as counties and minor civil divisions, needs for its presentation a series of bulky volumes. Such a report, however valuable in libraries and reference collections, is inconvenient for general use, because the main results of the census must be picked out from a mass of geographical detail, and at the same time a person who wishes complete statistics for his own state, county, or city is obliged to search through several volumes. The Bureau of the Census therefore has prepared the present volume, which assembles in one place all the general results of the census. It presents statistics regarding population, agriculture, manufactures, and mines and quarries for the United States as a whole and for individual states; and statistics regarding population and manufactures also for the principal cities.

This volume includes a supplement for the state of California and is intended for distribution in that state. The supplement contains all of the details published by the census for counties and other subdivisions of the state regarding population, agriculture, and manufactures. Statistics for the state as a whole cover the same subjects in somewhat greater detail, and also mining industries. Editions for distribution in other states will contain similar supplements relating to those states.

The purpose of the report is thus to combine in one volume so far as practicable the advantages of a condensed treatment with those of an exhaustive treatment of the census results. Many persons desire general statistics for the United States as a whole, for the states as its primary subdivisions, and for the princi-

pal cities of the country, but the interest of any one person in local details does not as a rule extend beyond the state in which he resides. The combination, therefore, of a condensed census report and a state supplement will, it is believed, meet the needs of by far the majority of those who are interested in census results.

*Limitation of term "United States."*—The area of enumeration of the Thirteenth Decennial Census included, besides the United States in the ordinary understanding of that term, Alaska, Hawaii, and Porto Rico. Other outlying possessions and dependencies were not canvassed. The totals presented for the United States do not include Alaska, Hawaii, and Porto Rico, except when expressly stated. The exclusion of these outlying possessions from most of the tables and discussion rests on the obvious differences as respects population and social and economic conditions between these distant territories and continental United States.

*Grouping of states in geographic divisions.*—Almost all the facts presented in the tables and discussed in the text of this volume are given for each state as well as for the United States as a whole. Because, however, of the large number of states, and for other reasons, it is extremely difficult to exhibit the broad geographical conditions regarding population and production by means of comparisons among individual states. In addition, therefore, to the presentation of statistics by states, this volume gives statistics for nine groups of states, which are designated as geographic divisions. The states which constitute each division can be found in any of the general tables and can be seen at a glance on the accompanying map.

This plan reduces the comparisons necessary to a general understanding of the geographic differences in conditions to a number which can be readily grasped. The states within each of these divisions are for the most part fairly homogeneous in physical characteristics, as well as in the characteristics of their population and their economic and social conditions, while on the other hand each division differs more or less sharply from most others in these respects. In forming these groups of states the lines have been based partly on physical and partly on historical conditions. These nine geographic divisions are sometimes grouped in the text tables into three great sections—the North, which includes the New England, Middle Atlantic, East North Central, and West North Central divisions; the South, which includes the South Atlantic, East South Central, and West South Central divisions; and the West, which includes the Mountain and Pacific divisions.

The grouping of the states in geographic divisions has facilitated a geographical rather than an alphabetical order in the tables which present the results for individual states. The advantage of this geographical order lies in the greater ease with which conditions in contiguous states can be compared.

*Statistics for urban and rural communities.*—Cities represent, in comparison with the remainder of the country, a distinct type of economic and industrial life. This fundamental distinction between the economic activities of urban and rural districts brings with it certain marked differences with respect to the composition and characteristics of the population. As the cities are very numerous, and as they contain often a large part of the total population of a state, these differences can not be readily perceived by comparing the statistics for individual cities with those for the states. For convenience of comparison, therefore, the more important statistics regarding the number, composition, and characteristics of the population have been presented separately for urban communities as a group and for rural communities as a group. In drawing this distinction all incorporated places (including New England towns) having a population of 2,500 inhabitants or more are considered as urban, and the remainder of the country as rural. A discussion of this classification is found in Chapter 1.

Statistics concerning the urban as distinguished from the rural communities are given in many of the tables by states, but the more detailed statistics as well as the text discussion regarding the differences between the two classes of communities are confined to the United States as a whole and the geographic divisions. A further analysis of the urban population is given in some of the tables by classifying the cities according to their size. This grouping of the cities would have little significance in the case of many individual states, because of the small number of larger cities, but is of much interest in the case of the geographic divisions.

In addition to statistics for urban communities as a class, figures are given throughout the chapters on population and manufactures for the more important cities individually. For the larger cities the tables generally give the same details as for the states. For smaller cities the statistics are presented in more condensed form.

*Comparative and derivative figures.*—Both in the general tables and in the text discussion an effort has been made to enhance the value of the statistics for the census of 1910 by the introduction of comparative figures for earlier censuses, and by the presentation of important ratios, averages, and percentages. The full significance of census data is brought out only by comparisons between different censuses and between different classes and communities for the same census, and comparisons based upon absolute numbers are usually much less instructive and

less readily grasped than those based upon percentages and averages.

*Text discussion of tables.*—The general aspects of the statistics presented in tabular form are briefly discussed in the accompanying text. This explanatory text serves the purpose of calling attention to certain important results of the census inquiry. It is not intended that this text shall present an exhaustive analysis of the statistics. In the main, therefore, the discussion is confined to the facts disclosed by the census concerning the United States as a whole and the geographic divisions, with only occasional reference to the figures for individual states or cities. This general discussion, however, should serve as a guide in the interpretation of figures for such smaller geographic units, and should likewise be useful in preventing erroneous conclusions which might occasionally be drawn from the consideration of an isolated table, without taking into account its relation to other census data.

In the presentation of the results of the census by subjects, the text and tables relative to any subject have been treated as a unit, the tables being either inserted in the text or placed immediately after it. This represents a departure from the practice, followed in many census reports, of printing the general tables at the end of the volume and the text comment at the beginning, but it is believed to effect a distinct gain for those who consult the volume to study a given subject. At the same time those who merely refer to it for some particular figure will readily find it with the aid of the table of contents and the index.

Maps and diagrams have been employed in this volume to present graphically some of the more important facts ascertained by the census enumeration, and have as far as possible, like the tables, been printed in immediate connection with the discussion of the subject to which they relate.

*Index.*—It will be recognized that the separate facts treated in this volume are so numerous that the preparation of a complete index both by subjects and by geographic units would be impracticable and of doubtful utility. The table of contents at the beginning of the volume will serve the needs of those who are interested in the broad general treatment of any of the topics included within the volume. To meet the needs of those who will use it mainly as a work of ready reference, an index has been prepared which, under each of the four main heads of the census—Population, Agriculture, Manufactures, and Mines and Quarries—gives an alphabetical list of the topics covered by the tables, and an indication of the classes of geographic units to which the figures given relate. Those who wish some items of information relative to some particular state or city can readily find it by looking up the index references for the class to which it belongs, either "states" or "cities," as the case may be.

*Character of the state supplement.*—The method of presentation of the statistics in the Supplement follows closely that in the main part of the volume. Here, as in the Abstract proper, the four subjects—Population, Agriculture, Manufactures, and Mines and Quarries—are covered. Detailed figures are given for population and agriculture by counties and for population and manufactures by cities. The tables contain numerous comparative and relative figures, and the text discussion, which for the most part is confined to the statistics for the state as a whole, will aid in interpreting the figures for its subdivisions. The method of arranging the statistics of population and agriculture for the counties differs from that at previous censuses, in that all the data concerning each county are presented in a few columns instead of being distributed by subjects among a number of distinct and widely separated tables. Statistics of population for cities are presented in similar form.

*Comparison with previous census abstracts.*—While the present condensed report of the Thirteenth Census bears the title "Abstract of the Census," it differs in important respects from the publications of previous censuses bearing the same name. The Abstracts at previous censuses were merely reference books of statistical tables relating to the United States as a whole, the states, and principal cities. They contained no text whatever, maps and diagrams were wholly lacking, and the tables presented only a very limited amount of comparative matter. The absence in these earlier Abstracts of any matter corresponding to the Supplement rendered it a work of general reference only, and not, as the present volume, a work of both general and local reference.

#### ORGANIZATION OF THE THIRTEENTH DECENNIAL CENSUS.

*The permanent Census Bureau.*—The methods of collecting and tabulating the statistics of the Thirteenth Decennial Census were substantially similar to those employed in the Eleventh and Twelfth Censuses. The Thirteenth Census, however, was the first taken since the organization of the permanent Bureau of the Census. At every prior census an entirely new central organization had to be formed, as there were no permanent officials or clerks who continued in office during the interval between the decennial censuses. By virtue of the act of March 6, 1902, a permanent Bureau of the Census was created in the Department of the Interior, which bureau was subsequently transferred to the newly created Department of Commerce and Labor. One of the chief objects of this legislation was to permit the retention in the service of a certain number of persons familiar with decennial census work, but a further object was to provide an organization for the collection of certain classes of statistics during the interval between the decennial censuses. These intercensal investigations

included some which had not been previously undertaken by the Federal Government at all and some which had been carried on by other bureaus of the Government. They also included certain topics which had previously been investigated in connection with the decennial census, but which were not, by their nature, essential parts of such a census, and which tended unduly to complicate the work both in the field and in the office.

*General provisions of the Thirteenth Census act.*—The permanent census act of March 6, 1902, however, did not contain the special provisions of law necessary for the conduct of a decennial census. The Thirteenth Decennial Census was taken by virtue of the act of July 2, 1909, entitled "An act to provide for the Thirteenth and subsequent decennial censuses." This act designated the three years from July 1, 1909, to June 30, 1912, as the "decennial census period," and provided for an expansion of the force of the permanent bureau in Washington during that period and for the creation of a special field force to collect the census statistics.

The Thirteenth Census act provided that the decennial census should cover the four main subjects of Population, Agriculture, Manufactures, and Mines and Quarries. Of these, the subject of Mines and Quarries had not been covered by the census of 1900, but a special census of mines and quarries had been taken for 1902 under the provisions of the permanent census act. The Twelfth Census had covered the subject of Mortality, but, as mortality statistics are collected annually by the permanent Census Bureau, the subject was omitted from the Thirteenth Census.

A list of the principal official positions provided by the Thirteenth Census act and of the persons who filled them during the Thirteenth Census period is given on another page. The position of assistant director and one of the positions of chief statistician were an addition to the positions existing under the permanent census act. Provision was also made for an appointment clerk and a secretary to the director, for an increase in the number of chiefs of division from eight to twelve, and for a large increase in the clerical force in Washington.

*Collection of statistics of population and agriculture.*—The statistics of population and of agriculture (except part of those relating to irrigation which were collected by special agents) were collected by a force of supervisors and enumerators, while the statistics of manufactures and of mines and quarries were collected by special agents or by clerks detailed from the office. The number of supervisors of the census was 330. In general, each supervisor had jurisdiction over the territory of one congressional district, but in the states of Massachusetts, Connecticut, and Rhode Island, and a number of the larger cities, a single supervisor had charge of the work (in New York City there were two supervisors, one for Manhattan and Bronx Boroughs,

and one for the other three boroughs). The supervisors were appointed by the President of the United States by and with the consent of the Senate. They were paid \$1,500 each for their services, plus \$1 for each thousand inhabitants enumerated under their direction. The average population of most of the supervisors' districts was somewhat over 200,000, while the most populous district, the state of Massachusetts, had more than 3,000,000 inhabitants.

There were in all about 70,000 enumerators of population and agriculture. They were selected by the supervisors, subject to the approval of the Director of the Census. Candidates for the position were subjected to a practical examination, and the ratings given by the supervisors to the candidates, as well as their selections, were carefully reviewed in the Census Bureau.

The censuses of agriculture and population were taken as of the date April 15, 1910. Enumerators in cities of 5,000 inhabitants or more, where the work was practically confined to population statistics, were required to complete their canvass within fifteen days after that date; but the enumerators in the smaller towns and country districts, partly because of the greater area which they had to cover and partly because they collected statistics of agriculture as well as of population, were allowed thirty days. In the larger cities, and in some instances elsewhere, the supervisors were allowed special agents to assist in instructing and supervising the enumerators.

Enumerators were in general paid piece rates, from 2 to 4 cents per name for the population census and from 20 to 30 cents per farm for the agricultural census. In sparsely settled sections per diem rates, ranging usually from \$4 to \$6, were paid. Enumerators were required to bear their own expenses of transportation and subsistence. The average amount received by enumerators on piece rates was in the neighborhood of \$4 for each day actually employed; the average total compensation of enumerators in the city districts was about \$50, and in the country districts, about \$75.

*Collection of statistics of manufactures and mines.*—Except in a very few sparsely settled sections the supervisors and enumerators had nothing to do with the census of manufactures or of mines and quarries, the schedules for these subjects being collected, as

already noted, by special agents or by clerks detailed from the Census Bureau. The statistics related in general to the calendar year 1909 and were collected during the spring and summer of 1910. The special agents had varying terms of service, ranging usually from about two months to about six months. Their pay, in some cases on a piece basis, ranged from about \$3 to \$6 per day, in addition to travel and subsistence expenses when they were away from their headquarters.

*Office force and methods of tabulation.*—The compilation of the statistics of the decennial census required a large addition to the force of the Census Bureau in Washington. The additional clerks and subclerical employees were appointed on the basis of a competitive examination by the Civil Service Commission, the appointments being apportioned among the states in accordance with their population. The total force employed at different periods of time varied greatly, the minimum, representing the permanent force of the bureau at the beginning and close of the decennial census period, being about 650, and the maximum, in the fall of 1910, about 3,800.

The statistics regarding the population were tabulated by a punched card system. Under this system a card is prepared for each individual, on which the facts as to sex, race, age, marital condition, place of birth, and the like, are indicated by the punching of appropriate holes. These cards are then sorted according to classes by sorting machines, and the holes representing the various characteristics are counted by tabulating machines. Electric contacts through the punched holes determine the groups into which the cards are sorted, and similar electric contacts operate the counters of the tabulating machines. On account of the complexity of the statistics required each card must be sorted several times and run through the tabulating machines several times. The tabulation of the statistics of population in the present report represented the equivalent of handling once on the sorting and tabulating machines more than 700,000,000 cards.

The statistics of agriculture, manufactures, and mines and quarries were tabulated for the most part by means of ordinary adding machines, no use being made of the punched card system. The schedules were first sorted by hand, according to the desired classes.

ABSTRACT OF  
THE THIRTEENTH CENSUS  
1910



POPULATION  
AGRICULTURE  
MANUFACTURES  
MINES AND QUARRIES



---

---

# POPULATION



CHAPTER 1.—NUMBER AND DISTRIBUTION OF INHABITANTS

CHAPTER 2.—COLOR OR RACE, NATIVITY, PARENTAGE, AND SEX

CHAPTER 3.—AGE AND MARITAL CONDITION

CHAPTER 4.—STATE OF BIRTH OF NATIVE POPULATION

CHAPTER 5.—POPULATION OF FOREIGN BIRTH AND FOREIGN PARENTAGE, BY  
COUNTRY OF ORIGIN

CHAPTER 6.—FOREIGN-BORN POPULATION—DATE OF IMMIGRATION

CHAPTER 7.—SCHOOL ATTENDANCE AND ILLITERACY

CHAPTER 8.—DWELLINGS AND FAMILIES





## CHAPTER 1.

### NUMBER AND DISTRIBUTION OF INHABITANTS.

**Introduction.**—This chapter presents in condensed form the main results of the Thirteenth Census, which relate to the number of inhabitants, and their distribution over the territory of the United States.

The tables show the number of inhabitants enumerated in each state, county, and city or incorporated place of 2,500 inhabitants or more. For the states comparative figures are given back to the first census in 1790; for counties and cities the comparison is confined to 1910, 1900, and 1890.

In connection with the population of states and cities considerable attention is given to the increase of the population, especially in the last decade. A table is

also presented showing the population for apportionment purposes, which according to the Constitution excludes Indians who are not taxed.

The chapter shows further the distribution of the population between urban and rural communities, together with the growth of population in urban and rural territory. It also further distinguishes the urban population by different classes of communities grouped according to size. The importance of the suburbs of the larger cities is shown in the calculation of what are designated metropolitan districts, including the urban population residing within approximately 10 miles of the cities having over 200,000 inhabitants.

#### POPULATION OF THE UNITED STATES AND OF STATES AND TERRITORIES.

**Area of enumeration in 1910.**—The Thirteenth Census of the United States was taken by the Bureau of the Census as of April 15, 1910. The total area enumerated included the United States, the territories of Alaska and Hawaii, and Porto Rico. The enumeration also included persons stationed abroad in the military and naval service of the Government (including civilian employees, etc.), who were specially enumerated through the cooperation of the War and Navy Departments.

Table 1 gives the total population for the area enumerated in 1910. The corresponding census figures for 1900 are also given for purposes of comparison.

The rate of increase from 1900 to 1910 was 20.9 per cent for the total area of enumeration and 21 per cent for the United States. It should be noted that this table does not cover all the outlying possessions of the United States. Including the population of the Philippines and other possessions, the population living under the American flag is approximately as follows:

Population of the United States and possessions. 191, 100, 000	
Enumerated at the census of 1910.....	93, 402, 151
Philippine Islands, 1903.....	7, 635, 426
Guam, estimated.....	9, 000
Samoa, estimated.....	6, 100
Panama Canal Zone, estimated.....	50, 000

Table 1	AREA.	1910	1900
Total area of enumeration.....		93, 402, 151	<sup>1</sup> 77, 256, 630
United States exclusive of outlying possessions.....		91, 972, 266	75, 994, 575
Outlying possessions enumerated.....		1, 429, 885	1, 262, 055
Alaska.....		64, 356	63, 592
Hawaii.....		191, 909	154, 001
Porto Rico.....		1, 118, 012	<sup>2</sup> 953, 243
Persons in military and naval service stationed abroad.....		55, 608	91, 219

<sup>1</sup> Includes 953,243 persons enumerated in Porto Rico in 1899.

<sup>2</sup> According to the census of Porto Rico taken in 1899 under the direction of the War Department.

**United States.**—Unless otherwise expressly stated, the term "United States," wherever used, either in text or in tables throughout the abstract, means the United States exclusive of Alaska, Hawaii, Porto Rico, or any other outlying possessions. The term, in other words, is synonymous with the term "Continental United States," which has sometimes been used in other census reports. On account of the wide difference in conditions as between the United

States as thus defined and its outlying possessions, it has been deemed best in general not to include statistics for the latter in the same tables with statistics for the former.

The population of the United States in 1910 was 91,972,266. This represents an increase during the past decade of 15,977,691, or 21 per cent, over the population in 1900, which was 75,994,575. The rate of increase was slightly greater than from 1890 to 1900.

## ABSTRACT OF THE CENSUS—POPULATION.

The table following shows the population of the United States as enumerated at each census from 1790 to 1910, inclusive, together with the increase and per

cent of increase during each decade, and also adjusted percentages of increase explained in the paragraphs below:

Table 2 CENSUS YEAR.	Population of the United States.	INCREASE OVER PRECEDING CENSUS.		Adjusted percentages of increase.
		Number.	Per cent.	
1910.....	91,972,266	15,977,691	21.0	21.0
1900.....	75,994,575	13,046,861	20.7	20.7
1890.....	62,947,714	12,791,931	25.5	24.9
1880.....	50,155,783	11,597,412	30.1	26.0
1870.....	38,558,371	7,115,050	22.6	26.6
1860.....	31,443,321	8,251,445	35.6	35.6
1850.....	23,191,876	6,122,423	35.9	35.9
1840.....	17,069,453	4,203,433	32.7	32.7
1830.....	12,866,020	3,227,567	33.5	33.5
1820.....	9,638,453	2,398,572	33.1	33.1
1810.....	7,239,881	1,931,398	36.4	36.4
1800.....	5,308,483	1,379,269	35.1	35.1
1790.....	3,929,214			

In considering the changes in population as reported by the census it is to be noted that Indians and other persons in Indian Territory and on Indian reservations were enumerated for the first time in 1890, so that the figures for that census are not strictly comparable with those for 1880 and preceding censuses. To show correctly the rate of increase of population from 1880 to 1890 it is necessary to eliminate 325,464 Indians and other persons from the figures for 1890, which leaves a population of 62,622,250. This figure shows an increase over 1880 of 12,466,467, or 24.9 per cent.

The evidence is clear that there was a marked deficiency in the enumeration of the population in the Southern states in 1870, resulting in an understatement of the increase from 1860 to 1870 and an overstatement of the increase from 1870 to 1880. There is no means of ascertaining accurately the extent of the deficiency, but an approximate estimate of the true population in 1870 was made in the census report of 1890 (Population, Part I, pp. xi, xii, and xvi) by which the population in 1870 was placed at 39,818,449 instead of 38,558,371. Using this figure the increase of 1870 over 1860 would be 8,375,128, or 26.6 per cent, and the increase of 1880 over 1870, 10,337,334, or 26 per cent.

Summarizing, it may be said that the population of the United States showed approximately an increase of one-third during each of the seven decades from 1790 to 1860; of one-fourth during each of the three decades from 1860 to 1890; and of one-fifth during each of the last two decades, 1890 to 1900 and 1900 to 1910.

**Divisions and states.**—The population of the United States by divisions and states, with their rank according to population, at each Federal census from 1790 to 1910, inclusive, is shown in Table 5, on pages 24 and 25. This table shows, in addition to the population of the United States proper, that of Alaska,

Hawaii, and Porto Rico, and the number of persons in the military and naval service stationed abroad.

The following table shows the per cent of the total population of the United States in each geographic division at the censuses of 1910, 1900, 1890, and 1850, the latter being added as representing conditions shown by the first census taken after the last of the important accessions to the territory of the United States had taken place.

Table 3 DIVISION.	PER CENT OF TOTAL.			
	1910	1900	1890	1850
<b>United States.....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
New England.....	7.1	7.4	7.5	11.8
Middle Atlantic.....	21.0	20.3	20.2	25.4
East North Central.....	19.8	21.0	21.4	19.5
West North Central.....	12.7	13.6	14.2	8.8
South Atlantic.....	13.3	13.7	14.1	20.2
East South Central.....	8.1	8.9	10.2	14.5
West South Central.....	9.6	8.6	7.5	4.1
Mountain.....	2.9	2.2	1.9	0.3
Pacific.....	4.6	3.2	3.0	0.5

The growth of the population of the United States by divisions and states in the last 20 years is shown in Table 4. The accompanying map shows the per cent of increase of the population in each of the states during the last decade, different rates of increase being indicated by differences in shading.

The table and map show that there were 11 states in which population increased more than 50 per cent between 1900 and 1910, as follows: Washington, Oklahoma, Idaho, Nevada, North Dakota, New Mexico, Arizona, Oregon, California, Wyoming, and Montana. Four divisions—the Pacific, Mountain, West South Central, and Middle Atlantic—increased in each of the last two decades more rapidly than the country as a whole. With one exception (the West South Central) these divisions with a high rate of increase from 1890 to 1900 grew still faster from 1900 to 1910, and divisions with a relatively low rate of growth in the former decade grew still more slowly in the latter decade.

# NUMBER AND DISTRIBUTION OF INHABITANTS.

23

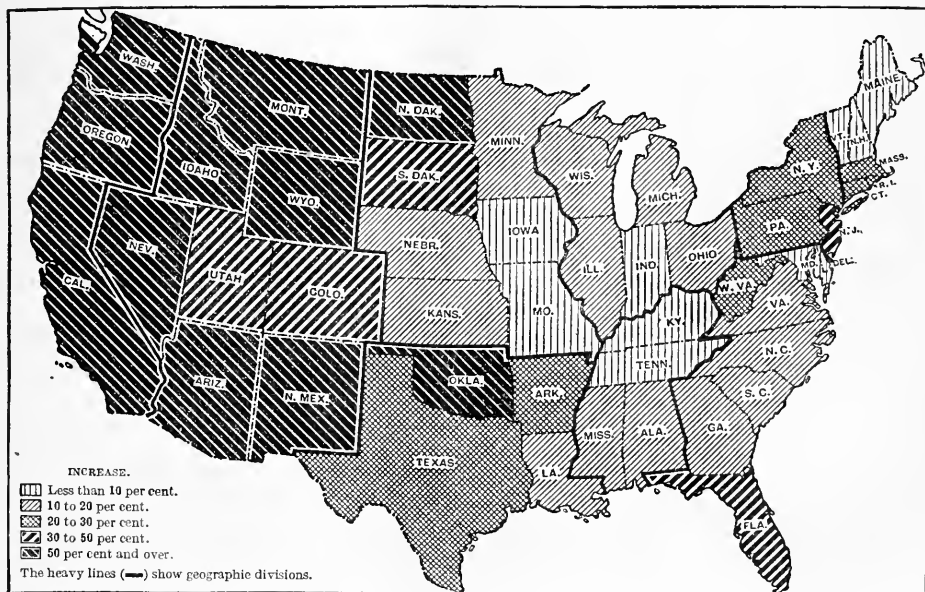
## INCREASE IN TOTAL POPULATION, BY DIVISIONS AND STATES: 1890-1910.

Table 4 DIVISION AND STATE.	INCREASE: <sup>1</sup> 1900-1910		INCREASE: <sup>1</sup> 1890-1900		DIVISION AND STATE.	INCREASE: <sup>1</sup> 1900-1910		INCREASE: <sup>1</sup> 1890-1900	
	Number.	Per cent.	Number.	Per cent.		Number.	Per cent.	Number.	Per cent.
<b>United States</b> .....	15,977,691	21.0	13,046,861	29.7	<b>SOUTH ATLANTIC:</b>				
<b>GEOGRAPHIC DIVISIONS:</b>					Delaware.....	17,587	9.5	16,242	9.6
New England.....	960,664	17.2	891,268	19.0	Maryland.....	107,302	9.0	145,651	14.0
Middle Atlantic.....	3,861,214	25.0	2,749,458	21.6	District of Columbia.....	52,351	18.8	48,326	21.0
East North Central.....	2,265,040	14.2	2,507,276	18.6	Virginia.....	297,458	11.2	198,294	12.0
West North Central.....	1,290,498	12.5	1,415,311	15.8	West Virginia.....	212,319	27.4	196,006	25.7
South Atlantic.....	1,751,415	16.8	1,585,558	17.9	North Carolina.....	312,477	16.5	275,861	17.1
East South Central.....	862,144	11.4	1,118,603	17.4	South Carolina.....	175,084	13.1	189,167	16.4
West South Central.....	2,252,244	34.5	1,791,307	37.8	Georgia.....	392,790	17.7	278,978	20.6
Mountain.....	958,890	57.3	490,722	38.0	Florida.....	224,077	42.4	137,120	35.0
Pacific.....	1,715,612	73.5	524,358	28.0	<b>EAST SOUTH CENTRAL:</b>				
<b>NEW ENGLAND:</b>					Kentucky.....	142,731	6.6	288,539	15.5
Maine.....	47,905	6.9	33,380	5.0	Tennessee.....	164,173	8.1	253,098	14.3
New Hampshire.....	18,984	4.6	35,058	9.3	Alabama.....	309,396	16.9	315,296	20.8
Vermont.....	12,315	3.6	11,219	3.4	Mississippi.....	245,844	15.8	261,670	20.3
Massachusetts.....	561,070	20.0	566,399	25.3	<b>WEST SOUTH CENTRAL:</b>				
Rhode Island.....	114,054	26.6	83,050	24.0	Arkansas.....	262,885	20.0	183,353	16.3
Connecticut.....	206,336	22.7	162,162	21.7	Louisiana.....	274,763	19.9	298,037	23.5
<b>MIDDLE ATLANTIC:</b>					Oklahoma.....	866,754	109.7	531,784	205.6
New York.....	1,844,720	25.4	1,255,720	21.1	Texas.....	847,832	27.8	813,183	36.4
New Jersey.....	653,498	34.7	438,736	30.4	<b>MOUNTAIN:</b>				
Pennsylvania.....	1,362,996	21.6	1,041,662	15.9	Montana.....	132,724	54.5	109,405	70.3
<b>EAST NORTH CENTRAL:</b>					Idaho.....	163,822	101.3	73,224	82.7
Ohio.....	609,576	14.7	485,216	13.2	Wyoming.....	53,434	57.7	29,976	47.9
Indiana.....	184,414	7.3	324,058	14.8	Colorado.....	259,324	48.0	126,451	30.6
Illinois.....	817,041	16.9	995,198	26.0	New Mexico.....	131,991	67.6	35,028	21.9
Michigan.....	389,191	16.1	327,092	15.6	Arizona.....	81,423	66.2	34,688	39.3
Wisconsin.....	264,818	12.8	375,712	22.2	Utah.....	96,602	34.9	63,570	31.3
<b>WEST NORTH CENTRAL:</b>					Nevada.....	39,540	93.4	-5,029	-10.6
Minnesota.....	324,314	18.5	441,111	33.7	<b>PACIFIC:</b>				
Iowa.....	-7,082	-0.3	319,556	16.7	Washington.....	623,887	120.4	169,871	45.0
Missouri.....	186,670	6.0	427,480	16.0	Oregon.....	259,229	62.7	95,532	30.2
North Dakota.....	257,910	80.8	128,163	67.1	California.....	892,496	60.1	271,655	22.4
South Dakota.....	182,318	45.4	52,970	15.2					
Nebraska.....	125,914	11.8	5,644	0.3					
Kansas.....	221,454	15.0	42,387	3.0					

<sup>1</sup>A minus sign (—) denotes decrease.

<sup>2</sup>Includes population of Indian Territory for 1890 and 1900.

## PER CENT OF INCREASE IN TOTAL POPULATION, BY STATES: 1900-1910.



## ABSTRACT OF THE CENSUS—POPULATION.

POPULATION OF THE UNITED STATES, BY DIVISIONS AND STATES, AND OF SPECIFIED

Table 5	DIVISION AND STATE.	1910		1900		1890 <sup>1</sup>		1880		1870		1860	
		Population.	Rank.	Population.	Rank.	Population.	Rank.	Population.	Rank.	Population.	Rank.	Population.	Rank.
1	United States, excluding outlying possessions.....	91,972,266		75,994,575		62,947,714		50,185,783		38,558,371		31,443,321	
GEOGRAPHIC DIVISIONS:													
2	New England.....	6,552,681	VII	5,592,017	VII	4,700,749	VII	4,010,529	VI	3,487,924	VI	3,135,283	V
3	Middle Atlantic.....	19,315,251	I	15,454,671	II	12,707,620	II	10,486,878	I	8,848,076	I	7,438,985	I
4	East North Central.....	18,250,621	II	15,985,581	I	13,478,305	I	11,206,668	I	9,124,517	II	6,920,884	II
5	West North Central.....	11,637,921	IV	10,347,423	IV	8,932,112	III	6,157,443	IV	3,856,594	V	2,169,832	VI
6	South Atlantic.....	12,194,895	III	10,443,480	III	8,857,922	IV	7,597,197	III	5,853,610	III	5,364,703	III
7	East South Central.....	8,469,801	VI	7,547,757	V	6,429,154	V	5,855,151	V	4,404,445	IV	4,029,991	IV
8	West South Central.....	8,784,534	V	6,532,290	VI	4,740,983	VI	3,334,220	VII	2,029,965	VII	1,747,667	VII
9	Mountain.....	2,633,517	IX	1,674,657	IX	1,213,935	IX	653,119	IX	315,385	IX	174,923	IX
10	Pacific.....	4,192,304	VIII	2,416,692	VIII	1,888,334	VIII	1,114,578	VIII	675,125	VIII	444,053	VIII
NEW ENGLAND:													
11	Maine.....	742,371	34	694,466	31	661,086	30	648,936	27	626,915	23	628,279	22
12	New Hampshire.....	430,572	39	411,588	37	376,530	33	346,921	31	318,300	31	326,073	27
13	Vermont.....	335,866	42	345,641	39	322,422	37	332,286	32	330,551	30	315,008	28
14	Massachusetts.....	3,306,416	6	2,805,346	7	2,238,947	6	1,785,085	7	1,457,351	7	1,231,066	7
15	Rhode Island.....	542,610	38	428,556	35	345,506	36	276,531	33	217,353	32	174,620	29
16	Connecticut.....	1,114,756	31	908,420	29	746,258	29	622,700	28	557,454	26	460,147	24
MIDDLE ATLANTIC:													
17	New York.....	9,113,614	1	7,268,894	1	6,003,174	1	5,082,871	1	4,382,759	1	3,880,735	1
18	New Jersey.....	2,337,167	11	1,832,660	16	1,444,833	18	1,131,116	19	900,696	17	672,055	19
19	Pennsylvania.....	7,665,111	2	6,302,115	2	5,258,113	2	4,285,891	2	3,621,961	2	2,905,215	2
EAST NORTH CENTRAL:													
20	Ohio.....	4,767,121	4	4,157,545	4	3,672,329	4	3,198,062	3	2,665,960	3	2,239,511	3
21	Indiana.....	2,700,876	9	2,516,462	8	2,192,404	8	1,978,301	6	1,680,637	6	1,350,428	6
22	Illinois.....	5,638,591	3	4,821,550	3	3,826,352	3	3,077,871	4	2,539,891	4	1,711,951	4
23	Michigan.....	2,810,173	8	2,420,982	9	2,093,890	9	1,636,937	9	1,184,659	13	749,113	16
24	Wisconsin.....	2,353,860	13	2,069,042	13	1,686,350	14	1,315,497	10	1,054,670	15	775,881	15
WEST NORTH CENTRAL:													
25	Minnesota.....	2,075,708	19	1,751,394	19	1,310,283	20	780,773	26	439,706	28	172,023	30
26	Iowa.....	2,124,771	15	2,231,853	10	1,912,207	10	1,624,615	10	1,194,020	11	764,913	20
27	Missouri.....	3,293,355	7	3,106,665	5	2,679,185	5	2,168,380	5	1,721,295	5	1,182,012	8
28	North Dakota.....	577,050	37	319,146	40	190,983	42	135,177	40	141,181	45	4,837	42
29	South Dakota.....	583,888	36	401,570	38	348,600	35	452,402	30	322,993	36	28,841	39
30	Nebraska.....	1,192,214	29	1,040,300	27	1,062,656	26	996,096	20	634,399	29	107,206	33
31	Kansas.....	1,690,949	22	1,470,495	22	1,428,108	19	996,096	20	634,399	29	107,206	33
SOUTH ATLANTIC:													
32	Delaware.....	202,322	47	184,735	45	168,493	43	146,608	38	125,015	35	112,216	32
33	Maryland.....	1,295,346	27	1,188,044	26	1,042,390	27	964,943	23	780,894	20	687,049	19
34	District of Columbia.....	331,669	43	278,718	41	230,392	40	177,024	36	131,700	34	75,080	35
35	Virginia.....	2,061,612	20	1,854,184	17	1,655,980	15	1,512,565	14	1,225,103	10	1,096,318	5
36	West Virginia.....	1,221,119	28	1,038,890	28	702,794	28	618,457	29	442,014	27	292,622	12
37	North Carolina.....	2,206,287	16	1,836,810	15	1,617,946	16	1,399,750	15	1,071,361	14	962,622	12
38	South Carolina.....	1,515,400	26	1,340,316	24	1,151,149	23	995,577	21	705,066	22	703,708	18
39	Georgia.....	2,609,121	10	2,216,331	11	1,837,353	12	1,542,180	13	1,184,109	12	1,057,286	11
40	Florida.....	752,619	33	528,542	33	391,422	32	269,408	34	187,748	33	140,424	31
EAST SOUTH CENTRAL:													
41	Kentucky.....	2,289,905	14	2,147,174	12	1,858,635	11	1,648,690	8	1,321,011	8	1,155,684	9
42	Tennessee.....	2,184,789	17	2,020,616	14	1,707,618	13	1,542,359	12	1,258,520	9	1,109,801	10
43	Alabama.....	2,138,093	18	1,828,697	18	1,513,401	17	1,262,505	17	996,992	16	964,201	13
44	Mississippi.....	1,797,114	21	1,551,270	20	1,289,600	21	1,131,597	18	827,922	18	791,305	14
WEST SOUTH CENTRAL:													
45	Arkansas.....	1,574,449	25	1,311,554	25	1,128,211	25	802,525	25	484,471	26	435,450	25
46	Louisiana.....	1,656,388	24	1,381,625	23	1,118,588	24	939,946	22	726,915	21	708,002	17
47	Oklahoma.....	1,657,155	23	1,790,391	730	2,258,657	39	1,591,749	11	818,579	19	604,215	23
48	Texas.....	3,896,542	5	3,048,710	6	2,255,527	7	1,591,749	11	818,579	19	604,215	23
MOUNTAIN:													
49	Montana.....	376,053	40	243,329	43	142,924	45	39,159	45	20,595	43	.....	.....
50	Idaho.....	325,594	45	161,772	46	88,548	46	32,610	46	14,999	44	.....	.....
51	Wyoming.....	145,965	48	92,531	48	62,555	48	20,789	47	9,118	47	.....	.....
52	Colorado.....	799,624	32	539,700	32	413,249	31	194,327	35	39,864	41	34,277	38
53	New Mexico.....	327,501	44	185,310	44	160,282	44	119,555	41	91,574	37	85,516	34
54	Arizona.....	204,554	46	122,931	47	88,243	47	40,440	44	9,658	46	.....	.....
55	Utah.....	373,351	41	276,749	42	210,779	41	143,963	39	86,788	39	40,273	37
56	Nevada.....	81,875	49	42,335	49	47,355	49	62,266	43	42,491	40	6,887	41
PACIFIC:													
57	Washington.....	1,141,990	30	518,103	34	357,232	34	75,116	42	23,955	42	11,594	40
58	Oregon.....	672,765	35	415,536	36	317,704	38	174,768	37	90,923	38	52,465	36
59	California.....	2,377,549	12	1,485,083	21	1,215,595	22	864,094	24	560,247	24	379,994	26
60	Outlying possessions enumerated.....	1,429,858		1,262,055		122,042		33,426		.....		.....	
61	Alaska.....	64,356		63,592		32,052		33,426		.....		.....	
62	Hawaii.....	191,909		154,001		99,890		.....		.....		.....	
63	Porto Rico.....	118,243		102,243		.....		.....		.....		.....	
64	Military and naval.....	55,608		91,219		.....		.....		.....		.....	

<sup>1</sup> Includes population (325,464) of Indian Territory and Indian reservations specially enumerated in 1890, but not included in the general report on population in 1890.

<sup>2</sup> Includes persons (6,100 in 1840 and 5,318 in 1850) on public ships in the service of the United States, not credited to any geographic division or state.

<sup>3</sup> For 1890 the rank of South Dakota advances from 37 to 35 and that of Arizona from 45 to 47, when the population specially enumerated is included; and that of

Oklahoma advances from 46 to 39, when the population of Indian Territory and Indian reservations specially enumerated is included.

<sup>4</sup> Population for that part of Dakota territory taken to form North Dakota: 1880, 36,009; 1870, 2,405; and for that part taken to form South Dakota: 1880, 98,308; 1870, 11,776.

<sup>5</sup> Dakota territory.

<sup>6</sup> Includes population of Indian Territory: 1900, 392,060; 1890, 180,182.

# NUMBER AND DISTRIBUTION OF INHABITANTS.

25

OUTLYING POSSESSIONS, WITH RANK ACCORDING TO POPULATION: 1790-1910.

	1850		1840		1830		1820		1810		1800		1790	
	Population.	Rank.	Population.	Rank.	Population.	Rank.	Population.	Rank.	Population.	Rank.	Population.	Rank.	Population.	Rank.
1	23,191,876	.....	17,069,453	.....	12,866,020	.....	9,638,453	.....	7,239,881	.....	5,308,483	.....	3,829,214	.....
2	2,728,116	V	2,234,822	V	1,954,717	III	1,660,071	III	1,471,973	III	1,233,011	III	1,009,408	II
3	5,808,735	I	4,526,260	I	3,587,664	I	2,699,845	II	2,014,702	II	1,402,555	II	968,632	III
4	4,523,260	III	2,924,728	III	1,470,018	V	792,719	V	272,324	V	51,006	V	.....	.....
5	880,333	VII	426,814	VII	140,455	VII	66,586	VII	19,783	VII	.....	.....	.....	.....
6	4,679,090	II	3,925,269	II	3,645,752	I	3,061,063	I	2,674,891	I	2,286,494	I	1,851,806	I
7	3,363,271	IV	2,575,445	IV	1,815,969	IV	1,190,489	IV	708,599	IV	335,407	IV	109,368	IV
8	940,251	VI	449,985	VI	246,127	VI	167,680	VI	77,618	VI	.....	.....	.....	.....
9	72,927	IX	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
10	105,891	VIII	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	583,169	16	501,793	13	399,455	12	295,335	12	228,705	14	151,719	14	96,540	11
12	317,976	22	284,574	22	269,328	18	244,161	15	214,460	16	183,858	11	141,885	10
13	314,120	23	291,948	21	280,632	17	235,981	16	217,895	15	184,465	13	85,425	12
14	994,514	6	737,099	5	610,408	8	525,287	7	472,040	5	422,945	5	378,787	4
15	147,845	28	108,830	24	97,199	23	83,059	20	76,931	17	69,122	16	68,825	15
16	370,792	21	309,978	20	297,675	16	275,248	14	261,942	9	251,002	8	237,946	8
17	3,097,394	1	2,428,921	1	1,918,608	1	1,372,812	1	959,049	2	589,051	3	340,120	5
18	489,555	19	373,306	18	329,823	14	277,575	13	245,562	12	211,149	10	184,139	9
19	2,311,786	2	1,724,033	2	1,348,233	2	1,049,458	3	819,091	3	602,365	2	434,373	2
20	1,980,329	3	1,519,467	3	937,903	4	581,434	5	230,760	13	45,365	18	.....	.....
21	988,416	7	685,866	10	343,031	13	147,178	18	24,520	21	5,641	21	.....	.....
22	831,470	11	476,183	14	157,445	20	55,211	24	12,282	24	.....	.....	.....	.....
23	397,654	20	212,267	23	31,639	27	8,896	27	4,762	25	.....	.....	.....	.....
24	305,391	24	30,945	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	6,077	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	192,214	27	43,112	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	682,044	13	383,702	16	140,455	21	66,586	23	19,783	23	.....	.....	.....	.....
28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
32	91,532	30	78,085	26	76,748	24	72,749	22	72,674	19	64,273	17	59,096	16
33	583,034	17	470,019	15	447,040	11	407,350	10	380,546	8	341,548	7	319,728	6
34	51,687	33	43,712	28	39,834	25	33,039	25	24,623	22	14,093	19	.....	.....
35	1,424,661	4	1,239,797	4	1,211,405	3	1,065,366	2	974,600	1	880,200	1	747,610	1
36	869,039	10	753,419	7	737,967	6	638,829	4	545,990	4	478,103	4	368,751	3
37	668,507	14	504,308	11	481,185	9	502,741	8	415,115	6	345,591	6	249,073	7
38	906,185	9	691,392	9	516,823	10	340,989	11	252,433	11	162,686	12	82,548	13
39	87,445	31	54,477	27	34,730	26	.....	.....	.....	.....	.....	.....	.....	.....
40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
41	982,405	8	779,828	6	687,917	6	564,317	6	496,511	7	220,955	9	73,677	14
42	1,002,717	5	829,210	5	681,904	7	422,523	9	261,727	10	105,602	15	35,691	17
43	771,623	12	590,756	12	309,527	15	127,901	19	.....	.....	.....	.....	.....	.....
44	606,526	15	375,651	17	136,621	22	75,445	21	40,352	20	8,850	20	.....	.....
45	299,897	26	97,574	25	30,388	28	14,273	26	1,062	26	.....	.....	.....	.....
46	517,762	18	352,411	19	215,739	19	153,407	17	76,556	18	.....	.....	.....	.....
47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
48	212,592	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
53	61,547	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
55	11,386	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
56	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
58	13,294	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
59	92,597	29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
61	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
64	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

<sup>1</sup> The territory of Oklahoma in 1900 ranked 38 and Indian Territory 39. The rank for 1900 includes the population of Indian Territory with that of Oklahoma.

<sup>2</sup> Alaska was specially enumerated under the law, but the population was not included in the general report on population in 1880.

<sup>3</sup> According to the census taken as of Dec. 28, 1890, under the direction of the Hawaiian Government.

<sup>4</sup> According to the census of Porto Rico taken in 1899 under the direction of the War Department.

<sup>5</sup> Persons in the military and naval service of the United States (including civilian employees, etc.) stationed abroad, not credited to any state or territory.

**Apportionment of representation.**—Table 6 gives for 1910 the population of each state, exclusive of Indians not taxed, who, according to the Constitution, are not to be included in the population forming the basis of the apportionment of representatives among the several states. The population of Arizona and New Mexico is not included in the main table but is added as an appendix. These territories had not yet become states when the apportionment act of 1911 was passed, though provision for their representation was made in the act. Now that they have been admitted as states the total apportionment population of the states, exclusive of Indians not taxed, and not counting the District of Columbia, is 91,569,325.

As the count of population is made primarily for the purpose of fixing the membership of the House of Representatives, under the provisions of section 2 of Article I of the Constitution, as modified by section 2 of Article XIV of the Amendments, a statement is given in Table 7 of the number of Representatives assigned to each of the states by the Constitution in 1789 and by the several apportionment acts from the formation of the Government to the present time. The dates of the apportionment acts and the ratio of

population to each representative under said acts are also given on page 27.

The membership of the House of Representatives was originally fixed at 65, under the provisions of section 2 of Article I of the Constitution.

The apportionments of Representatives in Congress, under the first six censuses—1790 to 1840, inclusive—were made by Congress, each by a separate act.

The law for taking the census of 1850 (act of May 23, 1850, 9 Stat. L., 428), which was intended to be permanent, presented a rule of apportionment, fixed the number of members of the House at 233, and directed the Secretary of the Interior thereafter to make the apportionment. The apportionment under the census of 1860 was also made under this law, but Congress, on March 4, 1862, fixed the total number of members at 241, and the Secretary of the Interior apportioned the new quotas to the states.

The apportionments from and after the census of 1870 were made by Congress, each by a separate act; hence it may be assumed that the power conferred on the Secretary of the Interior by the act of May 23, 1850, was repealed by implication.

POPULATION FOR APPORTIONMENT PURPOSES: 1910.

Table 6	STATE.	Total population: 1910	Indians not taxed: 1910	Population basis of apportion- ment.	STATE.	Total population: 1910	Indians not taxed: 1910	Population basis of apportion- ment.
Alabama.....	2,138,093	.....	.....	2,138,093	New York.....	9,113,614	4,680	9,108,934
Arkansas.....	1,574,449	.....	.....	1,574,449	North Carolina.....	2,206,287	.....	2,206,287
California.....	2,377,549	988	.....	2,376,561	North Dakota.....	577,056	2,653	574,403
Colorado.....	799,024	.....	452	798,572	Ohio.....	4,767,121	.....	4,767,121
Connecticut.....	1,114,756	.....	.....	1,114,756	Oklahoma.....	1,657,155	.....	1,657,155
Delaware.....	202,322	.....	.....	202,322	Oregon.....	672,765	.....	672,765
Florida.....	752,619	.....	.....	752,619	Pennsylvania.....	7,665,111	.....	7,665,111
Georgia.....	2,609,121	.....	.....	2,609,121	Rhode Island.....	542,610	.....	542,610
Idaho.....	325,594	.....	2,154	323,440	South Carolina.....	1,515,400	.....	1,515,400
Illinois.....	5,638,591	.....	.....	5,638,591	South Dakota.....	583,888	8,212	575,676
Indiana.....	2,700,876	.....	.....	2,700,876	Tennessee.....	2,184,789	.....	2,184,789
Iowa.....	2,224,771	.....	.....	2,224,771	Texas.....	3,896,542	.....	3,896,542
Kansas.....	1,690,949	.....	.....	1,690,949	Utah.....	373,351	1,487	371,864
Kentucky.....	2,289,905	.....	.....	2,289,905	Vermont.....	355,956	.....	355,956
Louisiana.....	1,656,388	.....	.....	1,656,388	Virginia.....	2,061,612	.....	2,061,612
Maine.....	742,371	.....	.....	742,371	Washington.....	1,141,990	1,856	1,140,134
Maryland.....	1,255,346	.....	.....	1,255,346	West Virginia.....	1,221,119	.....	1,221,119
Massachusetts.....	3,366,416	.....	.....	3,366,416	Wisconsin.....	2,333,860	1,007	2,332,853
Michigan.....	2,810,173	.....	.....	2,810,173	Wyoming.....	145,965	1,307	144,658
Minnesota.....	2,075,708	1,332	.....	2,074,376	Total for 46 states.....	91,109,542	37,425	91,072,117
Mississippi.....	1,797,114	.....	.....	1,797,114	Arizona.....	204,354	18,129	186,225
Missouri.....	3,293,335	.....	.....	3,293,335	New Mexico.....	827,301	10,318	316,983
Montana.....	376,053	9,715	.....	366,338	Total, including Arizona and New Mexico.....	91,641,197	71,872	91,569,325
Nebraska.....	1,192,214	.....	.....	1,192,214	District of Columbia.....	331,069	.....	.....
Nevada.....	81,875	1,582	.....	80,293	Total for the United States.....	91,972,266	.....	.....
New Hampshire.....	430,572	.....	.....	430,572				
New Jersey.....	2,537,167	.....	.....	2,537,167				

# NUMBER AND DISTRIBUTION OF INHABITANTS.

27

NUMBER OF MEMBERS IN THE HOUSE OF REPRESENTATIVES UNDER EACH APPORTIONMENT: 1789-1910.

Table 7	STATE.	1910	1900	1890	1880	1870 <sup>1</sup>	1860 <sup>2</sup>	1850 <sup>3</sup>	1840	1830	1820	1810	1800	1790	1789
	Total under apportionment act.....	435	386	358	325	292	241	234	223	240	213	181	141	105	65
	Assigned to new states after apportionment act.....		5	1	7	1	2	5	9	2		5	1	1	
	Alabama.....	10	9	9	8	8	6	7	7	5	3	4 <sup>1</sup>			
	Arizona.....	4 <sup>1</sup>													
	Arkansas.....	7	7	6	5	4	3			4 <sup>1</sup>					
	California.....	11	8	7	6	4	3	2	4 <sup>2</sup>						
	Colorado.....	4	3	2	1	4 <sup>1</sup>									
	Connecticut.....	5	5	4	4	4	4	4	4	6	6	7	7	7	5
	Delaware.....	1	1	1	1	1	1	1	1	1	1	2	1	1	1
	Florida.....	4	3	2	2	2	1		4 <sup>1</sup>						
	Georgia.....	12	11	11	10	9	7	8	8	9	7	6	4	2	3
	Idaho.....	2	1		4 <sup>1</sup>										
	Illinois.....	27	25	22	20	19	14	9	7	3	1	4 <sup>1</sup>			
	Indiana.....	13	13	13	13	13	11	11	10	7	3	4 <sup>1</sup>			
	Iowa.....	11	11	11	11	9	6	6	2	4 <sup>2</sup>					
	Kansas.....	8	8	8	7	3	1								
	Kentucky.....	11	11	11	11	10	9	10	10	13	12	10	6	2	
	Louisiana.....	8	7	6	6	6	5	4	4	3	3	4 <sup>1</sup>			
	Maine.....	4	4	4	4	5	5	6	7	8	7	6 <sup>7</sup>			
	Maryland.....	6	6	6	6	6	5	6	6	8	9	9	9	8	6
	Massachusetts.....	16	14	13	12	11	10	11	10	12	13	13	17	14	8
	Michigan.....	13	12	12	11	9	6	4	3	4 <sup>1</sup>					
	Minnesota.....	10	9	7	5	3	2	2	5		1	4 <sup>1</sup>			
	Mississippi.....	8	8	7	7	6	5	5	4	2	1				
	Missouri.....	16	16	15	14	13	9	7	5	2	1				
	Montana.....	2	1	1	4 <sup>1</sup>										
	Nebraska.....	6	6	6	3	1	4 <sup>1</sup>								
	Nevada.....	1	1	1	1	1	4 <sup>1</sup>								
	New Hampshire.....	2	2	2	2	3	3	3	4	5	6	6	5	4	3
	New Jersey.....	12	10	8	7	7	5	5	5	6	6	6	6	5	4
	New Mexico.....	4 <sup>1</sup>													
	New York.....	45	37	34	34	33	31	33	34	40	34	27	17	10	6
	North Carolina.....	10	10	9	9	8	7	8	9	13	13	13	12	10	5
	North Dakota.....	3	2	1	4 <sup>1</sup>										
	Ohio.....	22	21	21	21	20	19	21	21	19	14	6	4 <sup>1</sup>		
	Oklahoma.....	8	4 <sup>5</sup>												
	Oregon.....	3	2	2	1	1	1	4 <sup>1</sup>							
	Pennsylvania.....	36	32	30	28	27	24	25	24	28	26	23	18	13	8
	Rhode Island.....	3	2	2	2	2	2	2	2	2	2	2	2	2	1
	South Carolina.....	7	7	7	7	5	4	6	7	9	9	9	8	6	5
	South Dakota.....	3	2	2	4 <sup>2</sup>										
	Tennessee.....	10	10	10	10	10	8	10	11	13	9	6	3	4 <sup>1</sup>	
	Texas.....	18	16	13	11	6	4	2	4 <sup>2</sup>						
	Utah.....	2	1	4 <sup>1</sup>											
	Vermont.....	2	2	2	2	3	3	3	4	5	5	6	4	2	
	Virginia.....	10	10	10	10	9	11	13	15	21	22	23	22	19	10
	Washington.....	5	3	2	4 <sup>1</sup>										
	West Virginia.....	6	5	4	4	3									
	Wisconsin.....	11	11	10	9	8	6	3	4 <sup>2</sup>						
	Wyoming.....	1	1	1	4 <sup>1</sup>										

<sup>1</sup> Membership originally fixed at 283, but increased by act of May 30, 1872, to 292 (17 Stat. L., 192).

<sup>2</sup> Assigned after apportionment.

<sup>3</sup> Included in apportionment act in anticipation of becoming a state.

<sup>4</sup> Membership increased from 233 to 241 by act of Mar. 4, 1862 (12 Stat. L., 353).

<sup>5</sup> Included in the 20 members originally assigned to Massachusetts, but credited to Maine, after its admission as a state, Mar. 15, 1820 (3 Stat. L., 555).

## DATES OF APPORTIONMENT ACTS AND RATIO OF POPULATION TO EACH REPRESENTATIVE.

CENSUS.	Date of apportionment act.	Ratio.	CENSUS.	Date of apportionment act.	Ratio.
1910.....	Aug. 5, 1911 (37 Stat. L., 13).....	211,877	1840.....	June 25, 1842 (5 Stat. L., 491).....	70,680
1900.....	Jan. 16, 1901 (31 Stat. L., 733).....	194,182	1830.....	May 22, 1832 (4 Stat. L., 516).....	47,700
1890.....	Feb. 7, 1891 (26 Stat. L., 735).....	173,901	1820.....	Mar. 7, 1822 (3 Stat. L., 651).....	40,000
1880.....	Feb. 25, 1882 (22 Stat. L., 5).....	151,911	1810.....	Dec. 21, 1811 (2 Stat. L., 609).....	35,000
1870.....	Feb. 2, 1872 (17 Stat. L., 28).....	131,425	1800.....	Jan. 14, 1802 (2 Stat. L., 128).....	33,000
1860.....	May 23, 1860 (9 Stat. L., 428-432).....	127,381	1790.....	Apr. 14, 1792 (1 Stat. L., 235).....	33,000
1850.....	May 23, 1850 (9 Stat. L., 428-432).....	93,423		Constitution, 1789.....	30,000

## AREA AND DENSITY OF POPULATION.

**Area.**—At the First Census, in 1790, the United States comprised substantially the territory between the Atlantic Ocean and the Mississippi River except Florida, representing a gross area (land and water surface) of 892,135 square miles. The United States, with its outlying possessions, now comprises a gross area of 3,743,306 square miles, or more than four times the area in 1790. The successive accessions of territory were as follows:

ACCESSION.	Gross area in square miles.	ACCESSION.	Gross area in square miles.
<b>United States.....</b>	<b>3,026,789</b>	<b>Outlying possessions.....</b>	<b>716,517</b>
Area of U. S. in 1790.....	892,135	Alaska, 1867.....	590,884
Louisiana Purchase, 1803.....	827,987	Hawaii, 1898.....	6,449
Florida, 1819.....	58,666	Philippine Islands, 1899.....	115,026
Territory gained through Treaty with Spain, 1819.....	13,435	Porto Rico, 1899.....	9,455
Texas, 1845.....	389,166	Guam, 1899.....	210
Oregon, 1846.....	286,541	Samoa, 1900.....	77
Mexican Cession, 1848.....	529,189	Panama Canal Zone, 1904.....	436
Gadsden Purchase, 1853.....	29,670		

<sup>1</sup> Includes the drainage basin of the Red River of the North, not a part of any acquisition, but previously considered a part of the Louisiana Purchase.

The area in 1910, by states, was as follows:

STATE.	Rank in gross area.	AREA IN SQUARE MILES.		
		Gross.	Land.	Water. <sup>1</sup>
<b>United States.....</b>		<b>3,026,789</b>	<b>2,973,890</b>	<b>52,899</b>
Texas.....	1	265,896	262,398	3,498
California.....	2	158,297	155,652	2,645
Montana.....	3	146,997	146,201	796
New Mexico.....	4	122,654	122,503	151
Arizona.....	5	113,956	113,810	146
Nevada.....	6	110,690	109,821	869
Colorado.....	7	103,948	103,658	290
Wyoming.....	8	97,914	97,594	320
Oregon.....	9	96,699	95,607	1,092
Utah.....	10	84,990	82,184	2,806
Minnesota.....	11	84,682	80,858	3,824
Idaho.....	12	83,888	83,354	534
Kansas.....	13	82,158	81,774	384
South Dakota.....	14	76,808	76,808	0
Nebraska.....	15	77,520	76,808	712
North Dakota.....	16	70,837	70,183	654
Oklahoma.....	17	70,057	69,414	643
Missouri.....	18	69,420	68,727	693
Washington.....	19	69,127	66,836	2,291
Georgia.....	20	59,263	58,735	528
Florida.....	21	58,666	54,861	3,805
Michigan.....	22	57,980	57,480	500
Illinois.....	23	56,665	56,043	622
Iowa.....	24	56,147	55,586	561
Wisconsin.....	25	56,066	55,266	800
Arkansas.....	26	53,335	52,525	810
North Carolina.....	27	52,426	48,740	3,686
Alabama.....	28	51,998	51,279	719
New York.....	29	49,204	47,654	1,550
Louisiana.....	30	48,506	45,409	3,097
Mississippi.....	31	46,865	46,362	503
Pennsylvania.....	32	45,126	44,832	294
Virginia.....	33	42,627	40,262	2,365
Tennessee.....	34	42,022	41,687	335
Ohio.....	35	41,040	40,740	300
Kentucky.....	36	40,598	40,181	417
Indiana.....	37	36,355	36,045	309
Maine.....	38	33,040	29,895	3,145
South Carolina.....	39	30,989	30,465	494
West Virginia.....	40	24,170	24,022	148
Maryland.....	41	12,327	9,941	2,386
Vermont.....	42	9,564	9,124	440
New Hampshire.....	43	9,341	9,031	310
Massachusetts.....	44	8,206	8,039	227
New Jersey.....	45	8,224	7,514	710
Connecticut.....	46	4,965	4,820	145
Delaware.....	47	2,370	1,965	405
Rhode Island.....	48	1,248	1,067	181
District of Columbia.....	49	70	60	10

<sup>1</sup> Does not include the water surface of the oceans, the Gulf of Mexico, or the Great Lakes, lying within the jurisdiction of the United States.

**Population per square mile.**—Table 10 shows, for the United States, the total population, land area in square miles, and population per square mile of land area, at each census since 1790.

CENSUS YEAR.	Population of the United States.	Land area in square miles.	Population per square mile.
1910.....	91,972,266	2,973,890	30.9
1900.....	75,994,575	2,974,189	25.6
1890.....	62,947,714	2,973,965	21.2
1880.....	50,155,783	2,973,965	16.9
1870.....	38,558,371	2,973,965	13.0
1860.....	31,443,321	2,973,965	10.6
1850.....	23,191,876	2,944,837	7.9
1840.....	17,069,453	1,753,588	9.7
1830.....	12,866,020	1,753,588	7.3
1820.....	9,638,453	1,753,588	5.5
1810.....	7,239,881	1,685,865	4.3
1800.....	5,208,483	867,980	6.1
1790.....	3,929,214	867,980	4.5

According to the census of 1910, there were in the United States, on the average, 30.9 inhabitants to each square mile of land area, or nearly seven times the number per square mile shown for the much smaller area of 1790, and nearly three times the number shown for 1860. The decrease in the average number of inhabitants per square mile at the censuses of 1810 and 1850 was due in each case to large accessions of thinly populated territory during the preceding decade.

The relative density of population of each state of the United States in 1910 is exhibited by the map on the opposite page, while Table 11 shows, for each geographic division and state, the population and land area in 1910 and the population per square mile at each of the last three censuses.

In the order of density of population the geographic divisions ranked as follows in 1910: Middle Atlantic, 193.2 inhabitants per square mile; New England, 105.7; East North Central, 74.3; East South Central, 46.8; South Atlantic, 45.3; West North Central, 22.8; West South Central, 20.4; Pacific, 13.2; Mountain, 3.1.

Aside from the District of Columbia there were 10 states in which there was in 1910 a population per square mile of more than 100. These states, in the order of density of population, are as follows: Rhode Island, Massachusetts, New Jersey, Connecticut, New York, Pennsylvania, Maryland, Ohio, Delaware, and Illinois.

There were 16 states which had, on the average, less than 18 inhabitants to the square mile. Eight of these states are in the Mountain division (comprising its entire area), 3 in the Pacific division (comprising its entire area), 3 in the West North Central division, 1 in the West South Central division, and 1 in the South Atlantic division.

Among the outlying possessions Alaska had an average density of only 0.1 per square mile; Hawaii, 29.8, about that of Arkansas; and Porto Rico, 325.5, or greater than that of any state of the United States except Rhode Island, Massachusetts, and New Jersey.



POPULATION PER SQUARE MILE.

[White box]	Less than 2
[Vertical lines]	2 to 8
[Diagonal lines \]	8 to 18
[Cross-hatch]	18 to 45
[Dense cross-hatch]	45 to 90
[Very dense cross-hatch]	90 and over.

The heavy lines (—) show geographic divisions.

Table 11

Table 11.			POPULATION PER SQUARE MILE.			POPULATION PER SQUARE MILE.					
DIVISION AND STATE.	Population: 1910	Land area in square miles: 1910	1910	1900	1890	DIVISION AND STATE.	Population: 1910	Land area in square miles: 1910	1910	1900	1890
United States.....	91,972,286	2,973,890	30.9	25.6	21.2	SOUTH ATLANTIC:					
GEOGRAPHIC DIVISIONS:						Delaware.....	202,322	1,965	103.0	94.0	85.0
New England.....	6,552,681	61,976	105.7	90.2	75.8	Maryland.....	1,293,346	9,941	130.3	119.5	104.9
Middle Atlantic.....	15,315,892	100,000	193.2	154.5	127.1	District of Columbia.....	331,069	60	5,517.8	4,645.3	3,972.3
East North Central.....	19,250,621	245,364	74.3	62.2	54.9	Virginia.....	2,061,612	40,262	51.2	46.1	41.1
West North Central.....	11,637,921	310,804	37.2	30.4	27.5	West Virginia.....	1,221,119	24,622	49.6	39.8	31.8
South Atlantic.....	12,194,895	269,071	45.3	38.8	32.9	North Carolina.....	2,296,287	48,740	45.3	38.9	33.2
East South Central.....	8,409,901	179,509	46.8	42.0	35.8	South Carolina.....	1,515,400	30,495	49.7	44.0	37.7
West South Central.....	8,784,534	429,746	20.4	15.2	11.0	Georgia.....	2,099,121	58,725	44.4	47.7	31.3
Mountain.....	2,653,517	839,155	3.1	1.9	1.4	Florida.....	752,619	54,561	13.7	9.6	7.1
Pacific.....	4,192,304	318,095	13.2	7.6	5.9	EAST SOUTH CENTRAL:					
NEW ENGLAND:						Kentucky.....	2,298,995	40,181	57.0	53.4	46.3
Maine.....	742,371	29,895	24.8	23.2	22.1	Tennessee.....	2,184,780	41,687	52.4	48.5	42.8
New Hampshire.....	430,572	9,031	47.7	45.6	41.7	Alabama.....	2,138,083	51,279	41.7	35.7	29.5
Vermont.....	355,956	9,124	39.0	37.7	36.4	Mississippi.....	1,797,114	46,362	38.8	33.5	27.8
Massachusetts.....	3,396,416	8,039	418.8	349.0	278.5	WEST SOUTH CENTRAL:					
Rhode Island.....	2,652,517	1,067	591.3	491.6	323.8	Arkansas.....	1,574,449	52,525	30.0	25.0	21.5
Connecticut.....	1,114,756	4,820	231.3	188.5	154.8	Louisiana.....	1,656,388	45,409	36.5	30.0	24.6
MIDDLE ATLANTIC:						Oklahoma.....	1,657,155	69,414	23.9	11.4	3.7
New York.....	9,113,614	47,654	191.2	152.5	126.0	Texas.....	3,896,542	292,938	14.8	11.6	8.5
New Jersey.....	2,537,167	7,514	337.7	250.7	192.3	MOUNTAIN:					
Pennsylvania.....	7,665,111	44,832	171.0	140.6	117.3	Montana.....	376,053	146,201	2.6	1.7	1.0
EAST NORTH CENTRAL:						Idaho.....	325,594	85,554	3.9	1.9	1.0
Ohio.....	4,767,121	40,740	117.0	102.1	90.1	Wyoming.....	145,965	97,594	1.5	0.9	0.6
Indiana.....	2,700,876	36,045	74.9	70.1	61.1	Colorado.....	799,024	103,658	7.7	5.2	4.0
Illinois.....	5,038,591	56,043	89.9	80.1	68.3	New Mexico.....	327,301	122,905	2.7	1.6	1.3
Michigan.....	2,180,173	57,480	48.9	42.1	36.4	Arizona.....	204,813	29,871	6.9	4.8	3.8
Wisconsin.....	2,333,860	55,256	42.2	37.4	30.6	Utah.....	373,351	82,184	4.5	3.4	2.6
WEST NORTH CENTRAL:						Nevada.....	81,875	109,821	0.7	0.4	0.4
Minnesota.....	2,075,708	80,858	25.7	21.7	16.2	PACIFIC:					
Iowa.....	2,224,771	55,586	40.0	40.2	34.4	Washington.....	1,141,990	66,836	17.1	7.8	5.3
Missouri.....	3,293,335	68,727	47.9	45.2	39.0	Oregon.....	672,765	95,697	7.0	4.3	3.3
North Dakota.....	70,777,093	70,153	8.2	4.5	2.7	California.....	2,377,549	155,652	15.3	9.5	7.8
South Dakota.....	76,888	76,868	7.6	5.2	4.5						
Nebraska.....	1,192,214	76,808	15.5	13.9	13.8						
Kansas.....	1,690,949	81,774	20.7	18.0	17.5						

\* Includes Indian Territory for 1890 and 1900.

## CENTER OF POPULATION.

On the basis of the Thirteenth Census returns the center of population and the median point for the United States have been determined for April 15, 1910. In these calculations no account is taken of the territory and population of Alaska and of other outlying possessions.

The center is often understood to be the point of intersection of a north and south line which divides the population equally, with an east and west line which likewise divides it equally. This point of intersection is, in a certain sense, a center of population; it is here, however, designated the median point to distinguish it from the point technically defined as the center.

The character of these two points may be made clear through a physical analogy. The center of population may be said to represent the center of gravity of the population. If the surface of the United States be considered as a rigid plane without weight, capable of sustaining the population distributed thereon, individuals being assumed to be of equal weight, and each, therefore, to exert a pressure on any supporting pivotal point directly proportional to his distance from the point, the pivotal point on which the plane balances would, of course, be its center of gravity; and this is the point referred to by the term "center of population," as used in this chapter. In determining the median point distance is not taken into account, and the location of the units of population is considered only in relation to the intersecting

median lines—as being north or south of the median parallel and east or west of the median meridian. Extensive changes in the geographic distribution of the population may take place without affecting the median point, whereas the center of population responds to the slightest population change in any section of the country.

At the Thirteenth Census the center of population was in the following position:

Latitude..... 39° 10' 12" N.  
Longitude..... 86° 32' 20" W.

This point is in southern Indiana, in the western part of Bloomington city, Monroe County.

During the last decade, 1900 to 1910, the center of population moved west 43' 26", approximately 39 miles, while its northward movement was only 36", or approximately seven-tenths of a mile. The westward movement from 1900 to 1910 was nearly three times as great as that from 1890 to 1900, but was less than that for any decade between 1840 and 1890.

The closeness with which the center of population throughout its westward movement has clung to the thirty-ninth parallel of latitude is remarkable. The total westward movement since 1790 is 557 miles.

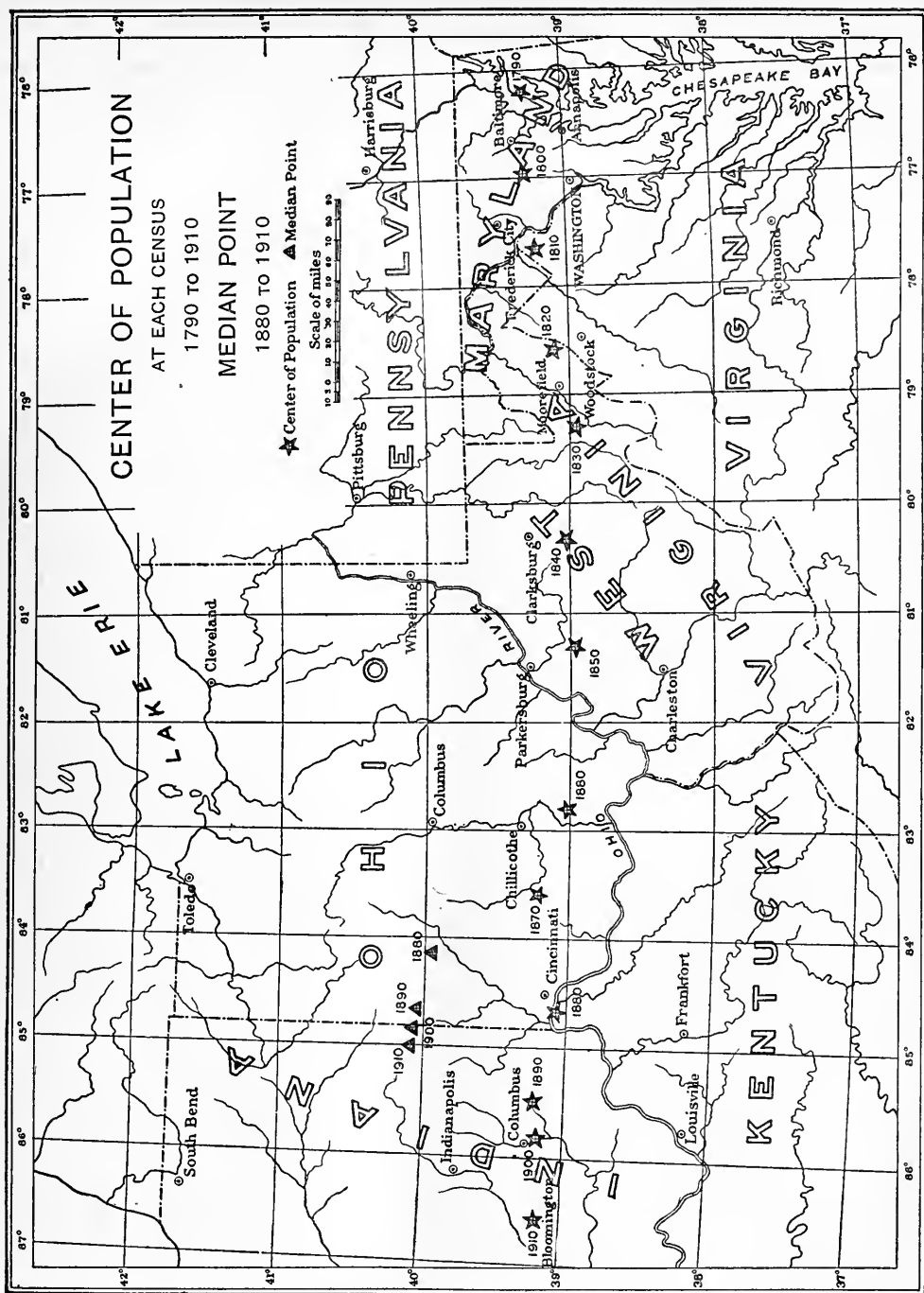
The following table and the map on the opposite page show the location of the center of population and its proximity to important towns at each successive Federal census, and its westward advance during each decade since 1790:

CENSUS YEAR.	LOCATION.		APPROXIMATE LOCATION BY IMPORTANT TOWNS.	MOVEMENT IN MILES DURING PRECEDING DECADE.			
	North latitude.	West longitude.		From point to point in direct line.	Westward.	Northward.	Southward.
	° ' "	° ' "					
1790.....	39 16 30	76 11 12	23 miles east of Baltimore, Md.....	.....	.....	.....	.....
1800.....	39 16 6	76 56 30	18 miles west of Baltimore, Md.....	40.6	40.6	.....	0.5
1810.....	39 11 30	77 37 12	40 miles northwest by west of Washington, D. C.....	36.9	36.5	.....	5.3
1820.....	39 5 42	78 33 0	16 miles north of Woodstock, Va.....	50.5	50.1	.....	6.7
1830.....	38 57 54	79 16 54	19 miles west-southwest of Moorefield, W. Va.....	40.4	39.4	.....	9.0
1840.....	39 2 0	80 18 0	16 miles south of Clarksburg, W. Va.....	55.0	54.8	4.7	.....
1850.....	38 59 0	81 19 0	23 miles southeast of Parkersburg, W. Va.....	54.8	54.7	.....	3.5
1860.....	39 0 24	82 48 48	20 miles south of Chillicothe, Ohio.....	80.6	80.6	1.6	.....
1870.....	39 12 0	83 35 42	48 miles east by north of Cincinnati, Ohio.....	44.1	42.1	13.3	.....
1880.....	39 4 8	84 39 40	8 miles west by south of Cincinnati, Ohio.....	58.1	57.4	.....	9.1
1890.....	39 11 56	85 32 53	20 miles east of Columbus, Ind.....	48.6	47.7	9.0	.....
1900.....	39 9 36	85 48 54	6 miles southeast of Columbus, Ind.....	14.6	14.4	.....	2.8
1910.....	39 10 12	86 32 20	In the city of Bloomington, Ind.....	39.0	38.9	0.8	.....

In connection with the location of the center of population of the United States it is of interest to note also the position of what may be termed the center of area—that is, the point on which the surface of the United States would balance if it were a plane of uniform weight per unit of area. This point is located in northern Kansas, 10 miles north of Smith Center, the county seat of Smith County, approximate latitude 39° 55', longitude 98° 50', and is therefore about three-fourths of a degree (51 miles) north and

12½ degrees (657 miles) west of the center of population. This would be the center of population if the population were distributed evenly over the territory of the United States.

In 1910 the median point was located at latitude 40° 6' 24" north and longitude 84° 59' 59" west, practically the eighty-fifth meridian. Its location, therefore, was 3¼ miles south of Winchester, Randolph County, Ind.; its westward movement during the decade was 7.5 miles, its northward movement 2.3 miles.



## POPULATION OF COUNTIES.

Tables 13 and 14 show the area and population in 1910 of each county or equivalent subdivision of the United States, Alaska, Hawaii, and Porto Rico; also the population in 1900 and 1890, except for

such counties as were organized subsequent to these censuses. Notes immediately following the tables indicate changes in counties which affect the comparability of the figures.

(Text continued on page 54.)

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890.

[In computing the increase from 1890 to 1900 for certain counties the population of Indian reservations in 1900 has been deducted from the total population of the county, in order to make that total comparable with the total for 1890, which does not include the population of Indian reservations.]

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.		COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.	
		1910	1900	1890	1900-1910	1890-1900			1910	1900	1890	1900-1910	1890-1900
<b>ALABAMA.....</b>	<b>51,279</b>	<b>2,138,093</b>	<b>1,828,697</b>	<b>1,513,401</b>	<b>16.9</b>	<b>20.8</b>	<b>ARIZONA.....</b>	<b>113,810</b>	<b>204,354</b>	<b>122,931</b>	<b>68,243</b>	<b>66.2</b>	<b>89.8</b>
Autauga.....	584	20,038	17,915	13,330	11.9	34.4	Apache <sup>1</sup> .....	11,379	9,196	8,297	4,281	10.8	*-31.0
Baldwin.....	1,505	18,173	13,194	8,941	37.8	47.6	Cochise.....	6,170	34,304	9,251	6,388	273.9	33.3
Barbour.....	912	32,728	33,152	34,808	-6.9	0.7	Cocino <sup>2</sup> .....	18,238	8,130	5,514	.....	47.4	.....
Bibb.....	634	22,791	18,498	13,824	23.2	33.8	Gila.....	4,683	16,348	4,973	2,621	228.7	*111.0
Blount.....	649	21,456	23,119	21,927	-7.2	5.4	Graham.....	6,508	23,999	14,162	5,670	69.5	149.8
Bullock.....	610	30,196	31,944	27,063	-5.5	18.0	Maricopa.....	8,891	34,488	20,457	10,986	68.6	*63.9
Butler.....	703	29,630	25,761	21,641	12.7	19.1	Moravia.....	13,330	5,773	3,426	1,444	10.1	137.3
Calhoun <sup>2</sup> .....	630	39,115	34,874	33,855	12.2	3.0	Navajo <sup>3</sup> .....	10,390	11,471	8,829	.....	29.9	.....
Chambers.....	588	36,056	32,554	28,319	10.8	25.7	Pima <sup>2</sup> .....	9,505	22,818	14,689	12,673	55.3	*3.7
Cherokee.....	577	29,226	21,096	20,459	-4.1	3.1	Pinal.....	5,380	9,045	7,779	4,251	16.3	*13.5
Chilton.....	729	23,187	16,522	14,549	40.3	13.6	Santa Cruz <sup>2</sup> .....	1,229	6,706	4,545	.....	48.9	.....
Choctaw.....	932	18,483	18,196	17,355	4.3	2.5	Yavapai <sup>2</sup> .....	8,150	15,996	13,799	8,685	15.9	58.9
Clarke.....	1,216	30,987	27,790	22,624	11.5	22.8	Yuma.....	9,987	7,733	4,145	2,071	86.6	*54.3
Clay <sup>2</sup> .....	614	21,006	17,099	15,765	22.8	8.5	<b>ARKANSAS.....</b>	<b>52,625</b>	<b>1,574,449</b>	<b>1,311,664</b>	<b>1,128,211</b>	<b>20.0</b>	<b>18.8</b>
Clayborne <sup>2</sup> .....	568	13,385	13,206	13,218	1.4	-0.1	Arkansas.....	1,000	16,133	12,973	11,432	24.1	32.5
Coffee.....	678	26,119	20,972	12,170	24.5	72.3	Ashley.....	940	25,268	19,734	13,295	28.0	48.4
Colbert <sup>2</sup> .....	618	24,802	22,341	20,189	11.0	10.7	Baxter.....	586	10,389	9,298	8,527	11.7	9.0
Conecuh.....	849	21,433	17,514	14,594	22.4	20.0	Benton.....	876	33,399	31,611	27,716	5.6	14.1
Cosa.....	635	16,634	16,144	15,966	3.0	1.5	Boone.....	638	14,318	16,306	15,816	-12.7	3.7
Covington.....	1,042	32,124	15,346	7,536	109.3	108.6	Bradley.....	659	14,518	9,651	7,972	50.4	21.1
Crenshaw.....	618	23,313	19,668	15,425	18.5	27.5	Calhoun.....	629	9,894	8,539	7,267	15.9	17.5
Cullman <sup>2</sup> .....	718	28,322	17,849	13,438	58.7	57.3	Carroll.....	641	16,829	18,488	17,288	-10.7	9.0
Dale <sup>2</sup> .....	563	21,608	21,189	17,225	2.0	23.0	Chicot.....	607	21,987	14,288	11,419	51.3	27.2
Dallas.....	957	53,401	54,657	49,750	-2.3	10.8	Clark.....	882	25,686	21,529	20,997	11.3	1.4
Dekalb.....	786	28,261	23,558	21,106	20.0	11.6	Clay <sup>2</sup> .....	654	23,690	15,886	12,200	49.1	36.2
Elmore.....	682	28,245	26,096	21,732	8.2	20.1	Clayburn.....	596	11,903	9,628	7,884	23.6	22.1
Escambia.....	957	18,889	11,320	8,666	66.9	30.6	Cleveland.....	603	13,481	11,620	11,362	16.0	2.3
Etowah.....	542	39,109	27,361	21,926	42.9	24.8	Columbia <sup>2</sup> .....	785	23,820	22,077	19,893	7.9	11.0
Fayette.....	643	16,748	14,122	12,423	15.0	10.2	Conway.....	563	22,729	19,772	19,459	15.0	1.6
Franklin.....	647	19,369	16,511	10,681	17.3	54.6	Craighead.....	687	27,627	19,505	12,025	41.6	62.2
Geneva <sup>2</sup> .....	578	26,230	19,096	10,690	37.4	78.6	Crawford <sup>2</sup> .....	593	23,042	21,270	21,714	12.6	-2.0
Greene.....	635	22,717	22,007	20,007	-3.1	9.9	Crittenden.....	582	22,447	14,529	13,940	54.5	4.6
Hale.....	646	27,883	31,011	27,501	-10.1	12.8	Cross.....	619	14,042	11,051	7,693	27.1	43.7
Henry <sup>2</sup> .....	560	20,943	30,147	24,847	-42.1	45.3	Dallas.....	679	12,621	11,518	9,296	9.6	23.9
Houston <sup>2</sup> .....	579	32,414	.....	.....	.....	.....	Desha.....	747	15,274	11,511	10,324	32.7	11.5
Jefferson.....	1,140	32,918	30,508	28,026	7.9	8.9	Drew.....	847	21,900	19,451	17,352	12.9	12.1
Jefferson <sup>2</sup> .....	1,135	226,476	140,420	88,501	61.2	58.7	Paulkner.....	651	23,708	20,780	18,342	14.0	13.8
Lamar.....	601	17,487	16,084	14,187	8.7	18.4	Franklin <sup>2</sup> .....	606	20,638	17,395	19,934	18.6	-12.7
Lauderdale.....	694	30,936	26,599	23,739	16.5	11.9	Fulton.....	625	12,193	12,917	10,984	-5.6	17.6
Lawrence <sup>2</sup> .....	700	21,984	20,124	20,725	9.2	-2.9	Garland.....	631	27,271	18,773	15,328	45.3	22.5
Lee.....	632	32,867	31,826	28,694	3.3	10.9	Grant.....	637	9,425	7,671	7,786	22.9	-1.5
Limestone.....	596	26,880	22,387	21,201	20.1	5.6	Greene <sup>2</sup> .....	561	23,552	16,979	12,908	40.5	31.5
Lovdens.....	739	31,894	35,651	31,550	-10.5	12.5	Hempstead.....	727	28,285	24,101	22,796	17.4	5.7
Macon.....	614	26,049	23,126	18,439	12.6	25.4	Holt Spring.....	613	15,022	12,748	11,603	17.8	9.9
Madison.....	811	47,041	43,702	38,119	7.6	14.6	Howard <sup>2</sup> .....	602	16,898	14,076	13,789	20.0	2.1
Marengo.....	966	39,923	33,315	33,995	4.2	15.8	Independence.....	762	24,776	22,557	21,961	9.8	2.7
Marion.....	747	17,495	14,494	11,347	20.7	27.7	Izard.....	583	14,561	13,306	10,038	17.8	28.6
Marshall.....	602	28,553	23,289	18,935	22.6	23.0	Jackson.....	634	23,501	18,383	13,179	27.8	21.1
Mobile.....	1,226	80,854	62,740	51,587	28.9	21.6	Jefferson.....	903	52,734	40,972	40,881	28.7	0.2
Monroe.....	1,012	27,155	23,683	18,960	14.7	24.4	Johnson.....	675	19,698	17,448	16,758	12.9	4.1
Montgomery.....	801	82,178	72,047	56,172	14.1	28.3	Lafayette <sup>2</sup> .....	525	13,741	10,599	7,700	29.7	37.6
Morgan.....	587	33,781	28,820	24,089	17.2	19.6	Lawrence.....	592	20,001	16,491	12,984	21.3	27.0
Perry.....	737	31,222	31,783	29,332	-1.8	8.4	Lee.....	691	24,252	19,409	18,866	25.0	2.8
Pickens.....	875	25,055	24,402	22,470	2.7	8.6	Lincoln.....	671	15,118	13,389	10,255	12.9	30.6
Pike.....	671	30,815	19,172	24,423	5.6	19.7	Little River.....	546	13,597	13,731	8,903	-1.0	54.2
Randolph.....	590	24,659	21,647	17,719	13.9	25.7	Logan <sup>2</sup> .....	726	26,350	20,563	20,774	28.1	-0.2
Russell.....	625	25,957	24,083	20,963	4.2	15.4	Lonoke.....	794	27,983	22,544	19,263	24.1	14.1
St. Clair.....	645	20,715	19,425	17,353	6.6	11.9	Madison.....	630	16,056	19,872	19,402	-1.2	17.0
Shelby.....	806	26,949	23,684	20,886	13.8	13.4	Nevada.....	646	10,203	11,377	10,390	-10.3	9.5
Sumter.....	908	28,699	32,710	29,574	-12.3	10.6	Miller.....	623	19,555	17,558	14,714	11.4	19.3
Talladega <sup>2</sup> .....	755	37,921	35,773	29,546	6.0	21.9	Mississippi <sup>2</sup> .....	792	30,468	16,384	11,635	86.0	40.0
Tallapoosa.....	732	31,034	29,075	25,409	4.6	16.6	Monroe.....	603	19,907	16,816	15,336	18.4	9.7
Tuscaloosa.....	1,346	47,559	36,147	30,352	31.6	19.1	Montgomery.....	891	12,455	9,444	7,923	31.9	19.2
Walker <sup>2</sup> .....	777	37,013	25,162	16,078	47.1	56.5	Nevada.....	620	19,544	16,699	14,832	16.5	12.0
Washington.....	1,087	14,454	11,134	7,935	29.8	40.3	Newton.....	846	10,112	12,538	9,950	-15.4	26.0
Wilcox.....	896	33,810	35,631	30,816	-5.1	15.6	Ouachita.....	733	21,771	20,892	17,063	4.2	22.7
Winston.....	630	12,855	9,554	6,532	34.6	45.8	Perry.....	582	9,402	7,294	5,538	28.9	31.7

<sup>1</sup> State total includes population (384) specially enumerated in 1890, not distributed by counties.

<sup>2</sup> For changes in boundaries, etc., of counties, see page 53.

<sup>3</sup> State total includes population (3,065) of San Carlos Indian Reservation, not returned by counties in 1900; returned in 1910 in Gila and Graham Counties.

<sup>4</sup> State total includes population (28,623) of Indian reservations specially enumerated in 1890, not distributed by counties.

<sup>5</sup> See headnote to table.

<sup>6</sup> State total includes population (32) specially enumerated in 1890, not distributed by counties.

# POPULATION OF COUNTIES.

33

AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.				PER CENT OF INCREASE.		Land area in square miles: 1910	POPULATION.				PER CENT OF INCREASE.	
COUNTY.	Land area in square miles: 1910	1910	1900	1890	1900-1910	1890-1900		COUNTY.	Land area in square miles: 1910	1910	1900	1890	1900-1910	1890-1900
<b>ARKANSAS—</b>								<b>COLORADO</b>	103,658	799,024	539,700	413,249	48.0	30.8
Poinsett.....	721	12,791	7,025	4,272	82.1	64.4		Adams <sup>1</sup> .....	1,262	8,892	.....	.....	.....	.....
Polk.....	846	17,216	18,352	9,283	-6.2	97.7		Arapahoe <sup>1</sup> .....	842	10,263	153,017	132,135	-93.3	15.8
Pope.....	828	24,527	21,715	19,438	12.9	11.6		Archuleta.....	1,220	2,302	2,117	826	56.0	144.2
Pulaski.....	675	13,823	11,875	11,374	16.7	4.4		Bent.....	2,552	2,516	534	291.5	-48.7	.....
	747	86,751	63,179	47,329	37.3	33.5		Boulder.....	764	30,330	21,544	14,082	40.8	53.0
Randolph.....	654	18,957	17,156	14,485	10.7	18.4		Charles.....	1,083	7,622	7,085	6,612	7.6	7.2
Saline.....	775	16,657	13,122	11,311	26.9	16.0		Cheyenne.....	1,777	3,687	501	635.9	-9.2	.....
Scott <sup>1</sup> .....	970	14,302	13,183	12,635	8.5	4.3		Clear Creek.....	1,390	5,091	7,082	7,184	-29.4	-1.4
Searcy.....	673	14,825	11,988	9,664	23.7	24.0		Conejos.....	1,393	11,285	8,794	7,193	28.3	22.3
Sebastian <sup>1</sup> .....	531	52,278	36,935	33,200	41.5	11.3		Costilla.....	1,771	5,498	4,632	3,491	18.7	32.7
Sevier <sup>1</sup> .....	572	16,616	16,339	10,072	1.7	62.2		Custer.....	747	1,947	2,937	2,970	-33.7	-1.1
Sharp.....	609	11,688	12,199	10,418	-4.2	17.1		Delta.....	1,201	13,688	5,487	2,534	149.5	116.5
St. Francis.....	611	8,946	8,100	7,043	10.4	15.0		Dolores.....	38	213,381	.....	.....	.....	.....
Union.....	1,048	30,723	22,495	14,977	36.6	50.2		Douglas.....	1,043	642	1,154	1,498	-43.4	-24.3
Van Buren.....	730	13,509	11,220	8,567	20.4	31.0		Eagle.....	845	3,192	3,120	3,006	2.3	3.8
Washington.....	953	33,882	34,256	32,024	-1.1	7.0		El Paso.....	1,030	2,985	3,408	3,725	-8.8	-19.2
White.....	1,037	28,574	24,864	22,946	14.9	8.4		Elbert.....	2,121	43,321	31,402	21,229	37.1	48.8
Woodruff.....	577	20,049	16,304	14,009	23.0	16.4		Fremont <sup>1</sup> .....	1,857	5,331	3,101	1,856	71.9	67.1
Yell.....	955	26,323	22,750	18,015	15.7	26.3		Garfield.....	1,557	15,181	15,636	9,156	16.3	70.8
<b>CALIFORNIA</b>								Gilpin.....	3,107	10,144	5,835	4,478	73.8	30.3
Alameda.....	732	246,131	130,197	93,864	89.0	38.7		Grand.....	1,332	4,131	6,990	5,867	-38.3	14.0
Alpine.....	776	309	509	667	-39.3	-23.7		Gunnison.....	1,866	1,862	741	604	151.3	22.7
Amador.....	601	9,086	11,116	10,320	-18.3	7.7		Hinsdale <sup>1</sup> .....	3,179	5,897	5,331	4,359	10.6	22.3
Butte.....	1,722	27,301	17,117	17,939	-59.5	-4.6		Huerfano.....	571	646	1,698	862	-59.9	86.7
Calaveras.....	1,027	9,171	11,200	8,832	-18.1	26.1		Jackson.....	1,500	13,320	8,395	6,882	57.8	22.0
Colusa <sup>1</sup> .....	1,140	7,732	7,364	14,640	5.0	-49.7		Jefferson <sup>1</sup> .....	1,632	1,013	9,588	8,454	22.9	10.1
Contra Costa.....	714	31,674	18,046	13,515	75.5	33.5		Kiowa.....	1,798	2,899	701	1,243	313.6	-43.6
Del Norte.....	1,624	2,407	2,592	2,592	0.0	-7.1		Kit Carson.....	2,159	7,483	1,580	2,472	573.6	-36.1
Eldorado.....	1,753	7,492	8,989	9,232	-16.6	-2.7		La Plata.....	1,851	10,812	7,016	5,509	54.1	118.5
Fresno <sup>1</sup> .....	5,950	75,657	37,862	32,026	99.8	18.2		Lake.....	371	10,600	18,054	14,663	-41.3	23.1
Glenn <sup>1</sup> .....	1,259	7,172	5,150	.....	39.3	.....		Larimer <sup>1</sup> .....	2,629	25,270	12,168	9,712	107.7	25.3
Humboldt.....	3,634	33,557	27,104	23,469	24.9	10.8		Las Animas.....	4,809	33,643	21,842	17,208	54.0	26.9
Imperial.....	4,098	13,591	.....	.....	.....	.....		Lincoln.....	2,570	5,917	926	689	539.0	34.4
Inyo.....	10,019	6,974	4,377	3,544	59.3	23.5		Logan.....	1,822	9,549	3,292	3,070	190.1	7.2
Kern.....	8,003	37,715	16,490	9,808	128.9	68.0		Mesa.....	3,163	22,987	9,267	4,260	139.5	117.5
Kings <sup>1</sup> .....	1,159	16,230	9,871	.....	64.4	.....		Mineral.....	1,239	1,313	1,239	.....	.....	.....
Lake.....	1,278	5,526	6,017	7,101	-8.2	-15.3		Montezuma.....	2,051	5,029	3,058	1,529	64.5	63.4
Lassen.....	4,531	4,802	4,511	4,204	6.4	.....		Montrose.....	2,264	10,291	4,535	3,986	126.9	13.9
Los Angeles.....	4,067	504,131	170,298	101,454	196.0	67.9		Morgan.....	1,286	9,577	3,268	1,601	193.1	104.1
Madera <sup>1</sup> .....	2,112	8,368	6,364	.....	31.5	.....		Otero.....	2,067	20,201	11,522	4,192	75.3	174.9
Marin.....	529	25,114	15,702	13,072	59.9	20.1		Oura.....	519	3,514	4,731	6,510	-25.7	-27.3
Mariposa.....	1,463	3,856	4,720	3,787	-16.2	24.6		Park <sup>1</sup> .....	2,212	2,492	2,998	3,548	-16.9	-15.5
Mendocino.....	3,453	23,929	20,465	17,612	16.9	12.8		Phillips.....	688	3,179	1,583	2,642	100.8	-40.1
Merced.....	1,965	15,148	9,215	8,085	64.4	14.0		Pitkin.....	1,019	4,566	7,020	8,929	-35.0	-21.4
Modoc.....	3,823	6,191	5,076	4,986	22.0	1.8		Prowers.....	1,630	9,520	3,776	1,909	152.8	91.3
Mono.....	3,030	2,042	2,167	2,002	-5.8	8.2		Pueblo.....	4,223	34,448	31,491	31,491	51.6	9.4
Monterey.....	3,330	24,146	19,380	18,637	24.6	4.0		Rio Blanco.....	3,223	3,322	1,690	1,200	38.8	40.8
Napa.....	783	19,800	16,431	16,411	20.4	0.2		Rio Grande <sup>1</sup> .....	898	6,563	4,080	3,451	69.9	18.2
Nevada.....	974	14,955	17,789	17,369	-15.9	2.4		Routt.....	6,967	7,561	3,661	2,369	106.5	54.5
Orange.....	795	34,436	19,696	13,589	74.8	44.9		Saguache <sup>1</sup> .....	3,133	4,160	3,853	3,313	8.0	16.3
Placer.....	1,395	18,237	15,786	15,101	15.5	4.5		San Juan.....	453	3,063	2,342	1,572	30.8	49.0
Plumas.....	2,394	5,259	4,657	4,933	12.9	-5.6		San Miguel.....	1,288	4,700	5,379	2,909	-12.6	84.9
Riverside <sup>1</sup> .....	7,240	34,696	17,897	.....	93.9	.....		Sedgwick.....	531	3,061	971	1,293	215.2	-24.9
Sacramento.....	983	67,806	45,915	40,339	47.7	13.8		Summit.....	649	2,003	2,744	1,906	-27.0	44.0
San Benito.....	1,392	8,041	6,633	6,412	21.2	3.4		Teller <sup>1</sup> .....	547	14,331	29,062	.....	-50.5	.....
San Bernardino <sup>1</sup> .....	20,157	56,706	27,929	25,497	103.0	9.5		Washington.....	2,321	6,902	1,241	2,301	381.6	-1.1
San Diego <sup>1</sup> .....	4,221	61,665	33,990	34,987	75.7	-3.2		Weid.....	4,022	39,177	16,808	11,736	133.1	43.2
San Francisco.....	416,013	342,832	298,997	21,600	14.6	.....		Yuma <sup>1</sup> .....	2,267	8,499	1,729	2,596	391.6	-33.4
San Joaquin.....	1,448	50,731	35,452	28,629	43.1	28.8		<b>CONNECTICUT</b>						
San Luis Obispo.....	3,334	19,383	16,327	16,072	16.5	3.5		Fairfield.....	631	245,322	184,203	150,081	33.2	22.7
San Mateo.....	447	26,585	12,094	10,587	119.8	19.9		Hartford.....	739	290,182	195,480	147,180	28.0	32.8
Santa Barbara.....	2,740	27,738	18,934	15,074	46.5	20.2		Litchfield.....	925	70,240	63,672	53,542	9.3	18.9
Santa Clara.....	1,328	83,539	60,216	48,005	38.7	25.4		Middlesex.....	369	45,637	41,760	39,524	9.3	5.7
Santa Cruz.....	435	26,140	21,511	19,270	21.5	11.6		New Haven.....	603	337,282	269,163	209,058	25.3	28.8
Shasta.....	3,858	18,920	17,318	12,133	9.3	42.7		New London.....	659	91,253	82,738	76,634	10.3	8.0
Sierra.....	923	4,098	4,017	5,051	2.0	-20.5		Tolland.....	404	26,459	24,523	25,081	7.9	-2.2
Sierraville.....	6,256	18,801	16,962	15,053	16.8	39.5		Windham.....	500	48,361	46,861	45,158	3.2	3.8
Solano.....	822	27,559	24,143	20,946	14.1	15.3		<b>DELAWARE</b>						
Sonoma.....	1,517	48,394	38,480	32,721	25.8	17.6		Delaware.....	1,965	202,322	184,735	168,493	8.5	9.8
Stanislaus.....	1,450	22,322	9,550	10,040	135.8	-4.9		Kent.....	617	32,721	32,762	32,664	-0.1	0.3
Sutter.....	608	6,328	5,886	5,469	7.5	7.6		New Castle.....	435	123,188	109,697	97,182	12.3	12.9
Tahama.....	2,893	11,401	10,996	9,916	3.7	10.9		Sussex.....	913	46,413	42,276	38,647	9.8	9.4
Trinity.....	3,166	5,201	4,383	3,719	-24.7	17.9		<b>DIST. COLUMBIA</b>						
Tulare <sup>1</sup> .....	4,856	35,440	18,375	24,574	92.9	-25.8		District of Columbia	60	331,069	278,718	230,392	18.8	21.0
Tuolumne.....	2,190	9,979	11,166	6,082	-10.6	83.6								
Ventura.....	1,878	18,347	14,367	10,071	27.7	42.7								
Yolo.....	1,014	13,926	13,618	12,684	2.3	7.4								
Yuba.....	639	10,042	8,620	9,366	16.5	-10.5								

<sup>1</sup> For changes in boundaries, etc., of counties, see page 53.

<sup>2</sup> State total includes population (5,268) of Indian reservations specially enumerated in 1890, not distributed by counties.

<sup>3</sup> See heading to table, page 32.

<sup>4</sup> State total includes population (1,051) of Indian reservations specially enumerated in 1890, not distributed by counties.

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.	COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.		COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.		
			1910	1900	1890	1900-1910	1890-1900			1910	1900	1890	1900-1910	1890-1900	
<b>FLORIDA</b> .....															
	54,861		752,619	528,542	391,422	42.4	35.0	<b>GEORGIA—Con.</b>							
Alachua.....	1,362	34,305	32,245	22,934	6.4	40.6	Columbia.....	359	12,328	10,653	11,281	15.7	-5.6		
Baker.....	587	4,805	4,516	3,333	6.4	35.5	Coweta.....	470	28,800	24,980	22,354	23.5	11.7		
Bradford.....	539	14,090	10,255	7,516	36.9	37.0	Crawford.....	319	8,310	10,308	9,315	-19.8	11.3		
Brevard.....	1,025	4,717	5,158	3,401	-8.5	51.7	Dade.....	277	16,423	16,423	16,423	0.0	0.0		
Calhoun.....	1,192	7,465	5,142	1,681	45.5	205.3	Dade.....	186	4,139	4,578	5,707	-9.6	-19.8		
Citrus.....	620	6,731	5,391	2,394	24.9	125.3	Dawson.....	276	4,686	5,442	5,612	-13.9	-3.0		
Clay.....	417	6,116	5,635	5,154	8.5	9.3	DeKalb.....	833	20,454	19,949	18,743	-1.4	47.6		
Columbia.....	792	17,689	17,094	12,877	3.5	32.7	DeKalb.....	272	27,881	21,112	17,189	32.1	22.8		
Dade.....	2,733	11,943	4,955	861	140.8	475.5	Dodge.....	431	30,127	13,975	11,452	44.0	22.0		
De Soto.....	3,754	14,300	8,047	4,944	76.5	62.8	Dooly.....	397	20,554	26,367	18,146	-22.6	46.4		
Duval.....	786	75,163	39,733	26,800	89.2	48.3	Dougherty.....	342	16,035	13,679	12,206	17.2	12.1		
Escambia.....	657	38,629	28,513	20,188	34.3	40.2	Douglas.....	208	8,953	8,745	7,794	2.4	12.2		
Franklin.....	541	5,201	4,890	3,308	6.4	47.8	Early.....	524	18,122	14,828	9,792	22.2	51.4		
Gadsden.....	540	22,198	15,294	11,894	45.1	28.6	Echoles.....	302	3,309	3,309	3,079	0.0	4.9		
Hamilton.....	528	11,825	11,881	8,507	-0.5	39.7	Ethelham.....	448	9,971	8,334	5,599	19.6	48.8		
Hernando.....	497	4,907	3,638	2,476	37.4	46.9	Elbert.....	361	24,125	19,729	15,376	22.3	28.3		
Hillsboro.....	1,329	78,374	36,013	14,941	117.6	141.0	Emmanuel.....	935	25,140	21,379	14,703	18.4	44.7		
Holmes.....	458	11,557	7,762	4,336	48.9	79.0	Fannin.....	401	12,574	11,214	8,724	12.1	28.5		
Jackson.....	965	23,821	23,377	17,544	27.6	33.2	Fayette.....	234	10,966	10,114	8,728	8.4	15.9		
Jefferson.....	585	17,210	16,195	15,757	6.3	2.8	Floyd.....	502	30,736	33,113	28,391	10.9	16.6		
Lafayette.....	1,244	6,710	4,987	3,686	34.5	35.3	Forsyth.....	247	11,940	11,550	11,155	3.4	3.5		
Lake.....	1,047	9,309	7,467	8,694	27.3	-7.1	Franklin.....	279	17,894	17,700	14,670	1.1	20.7		
Leon.....	403	6,294	5,071	1,414	104.9	117.2	Franklin.....	183	177,733	117,363	84,655	51.4	38.6		
Levy.....	715	19,427	17,732	17,732	-2.3	12.0	Gilmer.....	410	9,237	10,198	9,074	-9.4	12.4		
Liberty.....	1,143	10,361	8,603	6,586	20.4	30.6	Glasseck.....	170	4,669	4,516	3,720	3.4	21.4		
Madison.....	823	4,700	2,956	1,452	59.0	103.6	Glynn.....	439	15,720	14,317	13,420	9.8	6.7		
Manatee.....	719	16,919	15,446	14,316	9.5	7.9	Gordon.....	375	15,861	14,119	12,758	12.3	10.7		
Marion.....	1,837	9,540	4,663	2,895	104.8	61.1	Grady.....	444	18,457	18,457	18,457	0.0	0.0		
Monroe.....	1,616	26,941	24,403	20,796	10.4	17.3	Greene.....	1,416	18,512	16,542	17,051	11.9	-3.0		
Nassau.....	1,100	21,563	18,006	18,786	19.8	-4.2	Gwinnett.....	491	28,834	25,585	19,899	12.7	28.6		
Orange.....	1,230	10,525	9,654	8,294	9.0	16.4	Habersham.....	290	10,134	13,604	11,573	-25.5	17.5		
Osceola.....	650	19,107	11,374	12,534	68.0	-9.6	Hall.....	437	25,730	20,752	18,047	24.0	15.0		
Palm Beach.....	1,773	5,307	5,444	5,153	59.9	9.0	Hancock.....	530	19,180	18,277	17,149	5.0	6.6		
Pasco.....	2,048	5,577	6,054	4,249	23.9	42.5	Haralson.....	284	13,514	11,222	11,316	13.4	5.4		
Polk.....	1,907	24,148	12,472	7,905	93.6	57.8	Harris.....	501	17,886	18,009	16,797	-0.7	7.2		
Putnam.....	1,522	13,096	11,641	11,186	12.5	4.1	Hart.....	261	16,216	14,492	10,887	11.9	33.1		
St. John.....	966	13,208	9,165	8,712	44.1	5.2	Hardy.....	258	11,181	11,177	9,557	0.1	17.0		
St. Lucie.....	1,395	4,075	10,293	8,712	44.1	5.2	Henry.....	324	19,927	18,602	16,220	7.1	14.7		
Santa Rosa.....	1,546	14,897	10,293	7,961	44.7	29.3	Houston.....	585	23,609	22,641	21,613	4.3	4.8		
Sumter.....	583	6,696	6,187	5,363	8.2	15.4	Irwin.....	378	10,461	13,645	9,716	-23.3	116.0		
Suwannee.....	692	18,093	14,554	10,524	27.8	38.3	Jackson.....	433	30,169	24,039	19,136	25.5	24.4		
Taylor.....	1,064	7,103	5,999	2,122	77.6	88.5	Jasper.....	321	16,552	15,033	13,879	10.1	8.3		
Volusia.....	1,256	16,510	10,093	8,467	65.1	18.1	Jefferson.....	390	6,050	6,050	6,050	0.0	0.0		
Wakulla.....	602	4,802	5,149	3,117	-6.7	65.2	Jenkins.....	342	11,520	18,212	17,213	17.4	5.8		
Washington.....	1,435	16,403	10,154	6,426	61.5	58.0	Johnson.....	292	12,997	11,409	6,129	13.0	86.1		
<b>GEORGIA</b> .....															
58,725	2,609,121	2,216,331	1,837,353	17.7	20.6	Jones.....	377	13,103	13,358	12,709	-1.9	5.1			
Appling.....	604	12,318	12,336	8,676	-0.1	42.2	Laurens.....	806	35,501	25,908	13,747	37.0	88.5		
Baker.....	357	7,973	6,704	6,144	18.9	9.1	Lee.....	326	11,679	10,344	9,074	12.9	14.0		
Baldwin.....	307	18,354	17,703	14,681	3.3	21.6	Liberty.....	936	12,924	13,093	12,887	-1.3	1.6		
Banks.....	222	11,244	10,545	8,562	6.6	23.2	Lincoln.....	291	8,714	7,156	6,146	21.8	16.4		
Bartow.....	471	25,388	20,823	20,016	21.9	1.0	Lowndes.....	482	24,436	20,036	15,102	22.0	32.7		
Ben Hill.....	256	11,863	10,093	8,467	65.1	18.1	Lumpkin.....	280	5,444	7,435	6,867	-26.8	8.2		
Berrien.....	735	22,772	19,440	16,694	17.1	81.8	McDuffie.....	287	10,325	9,804	8,789	5.3	11.5		
Bibb.....	277	56,646	50,473	42,450	12.2	19.1	McIntosh.....	470	6,442	6,537	6,470	-1.5	1.0		
Brooks.....	514	23,832	18,606	15,759	28.1	33.1	Macon.....	309	15,016	13,923	13,183	6.5	6.9		
Bryan.....	431	6,702	6,122	5,520	9.5	10.9	Madison.....	284	16,851	14,024	11,624	27.4	20.0		
Bulloch.....	287	26,464	21,377	13,712	23.8	55.9	Marion.....	340	9,147	10,080	7,728	-9.3	30.4		
Burke.....	956	27,268	30,165	28,301	-9.6	5.8	Meriwether.....	496	25,180	23,339	20,740	7.9	12.5		
Butts.....	208	13,624	12,865	10,965	6.4	21.2	Miller.....	253	7,986	6,319	4,275	26.4	47.8		
Camden.....	284	11,334	9,478	8,438	22.2	9.9	Milton.....	145	7,239	6,763	6,208	7.0	8.9		
Candler.....	711	7,690	7,609	6,118	0.3	24.1	Mitchell.....	548	22,114	14,767	10,906	49.8	33.4		
Campbell.....	213	10,874	9,518	9,115	14.2	4.4	Monroe.....	584	20,450	20,682	19,137	-1.1	8.1		
Carroll.....	302	30,855	26,576	22,301	16.1	19.2	Montgomery.....	591	19,638	16,359	9,248	20.0	76.9		
Catoosa.....	169	7,184	5,823	5,431	23.4	7.2	Morgan.....	390	19,717	15,513	16,641	24.7	-1.4		
Chatsworth.....	306	4,722	3,592	3,535	31.5	7.7	Murray.....	342	9,763	8,623	8,461	13.2	1.9		
Chatham.....	370	79,690	71,239	57,740	11.9	23.4	Muscogee.....	235	36,227	29,836	27,761	21.4	7.5		
Chattahoochee.....	218	5,586	5,790	4,902	-3.5	18.1	Newton.....	262	18,449	16,734	14,310	10.2	16.9		
Chattooga.....	429	13,608	12,952	11,362	5.1	13.6	Opelousa.....	172	11,104	8,602	7,713	23.1	11.5		
Cherokee.....	216	16,661	15,243	15,412	9.3	-1.1	Oglethorpe.....	504	18,680	17,881	16,931	4.5	5.5		
Clarke.....	114	23,273	17,708	15,186	31.4	16.6	Paulding.....	324	14,124	12,969	11,948	8.9	8.5		
Clay.....	203	8,960	8,508	7,817	4.6	9.6	Peach.....	231	9,041	8,641	8,182	4.6	5.6		
Clayton.....	142	10,453	9,598	8,295	8.9	15.7	Pierce.....	605	10,749	8,100	6,379	32.7	27.0		
Cline.....	961	8,424	8,732	6,652	-3.5	31.3	Pike.....	307	19,495	18,761	16,390	3.9	15.1		
Cobb.....	523	28,397	24,664	22,286	15.1	10.7	Polk.....	317	20,203	17,856	14,945	13.1	19.5		
Columbia.....	21,853	16,159	10,483	35.8	54.2	18.1	Polaski.....	463	22,835	18,489	16,559	23.5	11.7		
Columbia.....	359	12,328	10,653	11,281	15.7	-5.6	Putnam.....	261	13,876	13,436	14,842	3.3	-9.5		
Columbia.....	470	28,800	24,980	22,354	23.5	11.7	Quitman.....	144	4,594	4,701	4,471	-2.3	5.1		
Columbia.....	319	8,310	10,308	9,315	-19.8	11.3	Roberts.....	542	6,362	5,402	5,062	12.5	12.1		
Columbia.....	277	16,423	16,423	16,423	0.0	0.0	Randolph.....	412	18,841	16,797	15,267	11.8	10.3		
Columbia.....	186	4,139	4,578	5,707	-9.6	-19.8									

1 For changes in boundaries, etc., of counties, see page 53.

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.					PER CENT OF INCREASE.		COUNTY.		POPULATION.		PER CENT OF INCREASE.	
COUNTY.	Land area in square miles: 1910	1910	1900	1890	1900-1910	1890-1900	COUNTY.	Land area in square miles: 1910	1910	1900	1890	1900-1910	1890-1900	
GEORGIA—Con.														
Richmond	319	58,886	53,735	45,194	9.6	18.9	Bureau	881	43,975	41,112	35,014	7.0	17.4	
Rockdale	119	8,916	7,515	6,813	18.6	10.3	Calhoun	256	8,610	8,917	7,652	-2.4	16.5	
Schley	154	5,213	5,499	5,443	-5.2	1.0	Carroll	453	18,035	18,963	18,320	-4.9	3.5	
Screven	794	20,202	19,252	14,424	4.9	33.5	Cass	371	17,372	17,222	15,963	0.9	7.9	
Spalding	209	19,741	17,619	13,117	12.0	34.3	Champaign	1,043	51,829	47,622	42,159	8.8	13.0	
Stephens	166	9,728	15,856	15,682	-15.3	1.1	Christian	700	34,594	32,790	30,531	5.5	7.4	
Stewart	411	13,437	15,856	15,682	-15.3	1.1	Clark	493	23,517	24,033	21,899	-2.1	9.7	
Sumter	456	29,602	26,212	22,107	11.0	18.6	Clay	402	18,661	19,553	16,772	-4.6	16.6	
Talbot	312	11,696	12,197	13,258	-4.1	-8.0	Coles	483	22,832	19,824	17,411	15.2	13.9	
Tallapoosa	212	8,766	7,912	7,291	10.8	8.5	Columbia	525	34,517	34,146	30,093	1.1	13.5	
Tattnall	642	18,569	20,419	10,253	-9.1	99.2	Cook	933	2,405,233	1,838,735	1,191,922	30.8	54.3	
Taylor	340	10,839	9,846	8,666	10.1	13.6	Crawford	453	26,281	19,240	17,283	36.6	11.3	
Telfair	373	13,288	10,083	5,477	31.8	84.1	Cumberland	353	13,281	16,124	15,443	-11.4	4.4	
Terrell	322	22,003	19,023	14,503	15.7	31.2	Dekalb	638	33,457	31,756	27,066	5.4	17.3	
Thomas	530	29,071	31,076	26,154	-6.5	18.8	Dewitt	415	18,906	18,972	17,011	-0.3	11.5	
Tift	243	11,487	11,487	11,487	0	0	Douglas	417	19,591	19,097	17,669	2.6	8.1	
Toombs	393	11,206	11,206	11,206	0	0	Dupage	345	33,432	28,196	22,551	18.6	25.0	
Towns	181	3,932	4,748	4,004	-17.2	16.8	Edgar	621	27,336	28,273	26,787	-3.3	5.5	
Troup	435	26,228	24,002	20,723	9.3	15.8	Edward	238	10,049	10,345	9,444	-2.9	9.5	
Turner	231	10,075	10,075	10,075	0	0	Effingham	511	20,055	20,465	19,358	-2.0	5.7	
Twiggs	314	10,736	8,716	8,195	23.2	6.4	Fayette	729	28,075	28,065	23,367	(9)	20.1	
Union	324	6,918	8,481	7,749	-18.4	9.4	Ford	500	17,096	18,359	17,035	-6.9	7.8	
Upson	317	12,757	13,670	12,188	-6.7	12.2	Franklin	445	25,943	19,675	17,138	31.9	14.8	
Walker	432	18,692	15,661	13,282	19.4	17.9	Fulton	884	49,549	46,201	43,110	7.2	7.2	
Walton	370	25,393	20,942	17,467	21.3	19.9	Gallatin	338	14,628	15,836	14,935	-7.6	6.0	
Ware	804	22,957	13,761	8,811	66.8	56.2	Greene	515	22,363	23,402	23,791	-4.4	-1.6	
Warren	404	11,860	11,463	10,957	3.5	4.6	Grundy	433	24,162	24,136	21,024	0.1	14.8	
Washington	609	28,174	28,227	25,237	-0.2	11.8	Hamilton	455	18,227	20,197	17,800	-9.8	13.5	
Wayne	764	13,069	9,449	7,455	38.3	26.2	Hancock	780	30,638	32,215	31,907	-4.9	1.0	
Webster	302	6,151	6,618	5,695	-7.1	16.2	Hardin	185	7,015	7,448	7,234	-3.8	3.0	
White	245	5,110	5,912	6,151	-13.6	-3.9	Henderson	376	9,724	10,836	9,876	-10.3	9.7	
Whitfield	283	15,934	14,509	12,916	9.8	12.3	Henry	824	41,736	40,049	33,338	4.2	20.1	
Wilcox	403	13,486	11,097	7,980	21.5	39.1	Jackson	588	35,143	33,871	27,809	3.8	21.8	
Wilkes	458	23,441	20,896	18,081	12.3	15.4	Jasper	508	18,157	20,100	18,188	-9.9	10.8	
Wilkinson	472	10,073	11,440	10,781	-11.9	6.1	Jefferson	603	29,111	28,133	22,590	3.5	24.5	
Worth	651	19,147	18,664	10,048	2.6	85.7	Jersey	367	13,954	14,612	14,810	-4.5	-1.3	
IDAHO														
Ada	83,354	325,594	161,772	88,548	101.3	82.7	Jo Daviess	623	22,657	24,533	25,101	-7.6	-2.3	
Adair	1,136	29,088	11,559	8,368	151.6	38.1	Jones	527	91,862	78,792	65,061	16.6	21.1	
Bannock	1,719	19,242	11,702	6,644	64.4	4.4	Kankakee	608	40,752	37,154	28,732	9.7	29.3	
Bear Lake	942	7,729	7,051	6,057	9.6	16.4	Kendall	324	10,727	11,467	12,106	-6.0	-5.3	
Bingham	4,116	23,306	10,447	13,575	123.1	-30.0	Knox	711	46,159	43,612	38,752	5.8	12.5	
Blaine	6,120	8,387	4,900		71.2	-30.0	La Salle	1,146	90,132	87,776	80,798	2.7	8.6	
Boise	3,469	5,250	4,174	3,342	25.8	24.9	Lake	455	55,068	54,504	24,235	59.6	42.4	
Bonner	3,129	13,588					Lawrence	358	22,661	16,523	14,693	37.1	12.5	
Canyon	1,283	25,323	7,497		237.8		Lee	742	27,750	29,894	26,187	-7.2	14.2	
Cassia	2,611	7,197	3,931	3,143	82.2	25.7	Livingson	1,043	40,465	42,035	38,455	-3.7	9.3	
Custer	4,589	3,001	2,049	2,176	46.5	-5.8	Logan	617	30,216	28,169	25,489	5.4	12.5	
Elmore	2,665	4,785	2,286	1,870	109.3	22.2	McDonough	588	29,887	28,412	27,467	-3.4	3.4	
Fremont	5,006	24,606	12,821		91.9		McHenry	630	32,509	29,759	26,114	9.2	14.0	
Idaho	11,012	12,384	9,121	2,955	35.8	208.7	McLean	1,191	68,008	67,843	63,036	0.2	7.6	
Kootenai	2,043	22,747	10,216	4,108	122.7	130.4	Macon	585	54,186	44,003	38,083	23.1	15.5	
Latah	1,128	18,818	13,451	9,173	39.9	46.6	Macoupin	800	50,685	42,256	40,380	19.9	4.6	
Lemhi	4,867	4,786	3,446	1,915	38.9	54.6	Madison	737	89,847	64,094	51,535	38.9	25.5	
Lincoln	3,283	12,676	1,784		610.6		Marion	599	35,094	30,446	24,341	15.3	25.1	
Nez Perce	3,844	24,670	13,748	2,847	80.8	382.9	Marshall	366	15,679	16,370	13,653	-4.2	19.9	
Oneida	2,655	15,170	8,993	6,819	69.8	31.0	Mason	555	17,377	17,491	16,967	-0.7	8.9	
Owyhee	7,888	4,044	3,904	2,021	6.3	88.2	Massac	240	14,200	13,110	11,313	8.3	15.9	
Shoshone	2,579	13,963	11,950	5,382	16.8	122.0	Menard	317	12,796	14,336	13,120	-10.7	9.3	
Twin Falls	1,888	13,543					Mercer	540	19,723	20,945	18,545	-5.8	12.9	
Washington	2,871	11,101	6,882	3,836	61.3	79.4	Monroe	389	13,598	13,847	12,948	-2.4	6.9	
ILLINOIS														
Adams	842	64,588	67,698	61,888	-3.7	8.4	Montgomery	689	35,311	30,836	28,003	14.5	2.8	
Alexander	328	22,741	19,384	16,563	17.0	17.0	Moultrie	338	14,630	15,224	14,481	-3.9	5.1	
Bond	328	17,075	16,078	14,550	6.2	10.5	Ogle	756	27,864	29,129	28,710	-4.3	1.5	
Boone	293	15,481	15,791	12,203	-2.0	29.4	Peoria	636	100,255	88,608	70,378	13.1	25.9	
Brown	297	10,397	11,557	11,951	-10.0	-3.3	Perry	451	22,088	19,830	17,529	11.4	13.1	
Pope														
Adams	842	64,588	67,698	61,888	-3.7	8.4	Piatt	451	16,376	17,706	17,062	-7.5	3.8	
Alexander	328	22,741	19,384	16,563	17.0	17.0	Pike	786	28,622	31,595	31,000	-0.4	1.9	
Bond	328	17,075	16,078	14,550	6.2	10.5	Pope	385	11,215	13,585	14,016	-17.4	-3.1	
Boone	293	15,481	15,791	12,203	-2.0	29.4	Pulaski	190	13,650	14,554	11,355	7.5	28.2	
Brown	297	10,397	11,557	11,951	-10.0	-3.3	Putnam	173	7,561	4,746	4,730	59.3	0.3	
Richland														
Adams	842	64,588	67,698	61,888	-3.7	8.4	Richland	557	15,970	16,391	15,019	-2.6	9.1	

<sup>1</sup> For changes in boundaries, etc., of counties, see page 53.<sup>2</sup> Includes land area (51 square miles) of that part of Yellowstone National Park in Idaho. No population reported.

## ABSTRACT OF THE CENSUS—POPULATION.

AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900,  
AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.			PER CENT OF INCREASE.		COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.								
COUNTY.	Land area in square miles: 1910	1910	1900	1890	1900-1910	1890-1900			1910	1900	1890	1900-1910	1890-1900							
ILLINOIS—Con.																				
Rock Island.....	424	70,404	55,249	41,917	27.4	31.8	Newton.....	405	10,504	10,448	8,803	0.5	18.7							
St. Clair.....	663	119,870	86,685	66,571	38.3	30.2	Noble.....	417	24,009	23,533	23,359	2.0	0.7							
Saline.....	399	30,204	21,685	19,242	39.3	32.1	Ohio.....	85	4,329	4,724	4,955	-4.4	-4.7							
Sangamon.....	876	91,024	71,293	61,195	27.1	17.0	Orange.....	407	17,192	16,534	14,678	2.0	14.8							
Schuyler.....	432	14,832	16,129	16,013	-7.9	6.0	Owen.....	393	14,053	15,149	15,040	-7.2	0.7							
Scott.....	249	10,067	10,455	10,304	-3.7	1.5	Parke.....	447	22,214	23,000	20,296	-3.4	13.3							
Shelby.....	772	31,693	32,126	31,191	-1.3	3.0	Perry.....	384	18,678	18,773	18,240	-3.7	2.9							
Stark.....	240	10,098	10,186	9,982	-0.9	2.0	Pike.....	338	19,681	20,489	18,544	-1.9	10.5							
Stephenson.....	559	36,821	34,933	31,338	5.4	11.5	Porter.....	415	20,540	19,175	18,052	7.1	6.2							
Tazewell.....	647	34,027	33,221	29,556	2.4	12.4	Posey.....	402	21,670	22,333	21,529	-3.0	3.7							
Union.....	403	21,856	22,610	21,549	-3.3	4.9	Pulaski.....	432	13,312	14,033	11,233	-5.1	24.9							
Vermilion.....	921	77,996	65,635	49,905	18.8	31.5	Putnam.....	483	20,520	21,478	22,335	-4.5	-3.8							
Wabash.....	229	14,913	12,583	11,861	18.5	6.0	Randolph.....	447	29,013	28,653	28,085	1.3	2.0							
Warren.....	546	25,313	23,163	21,281	0.6	8.8	Ripley.....	448	19,452	19,881	19,350	-2.2	2.7							
Washington.....	561	18,759	19,526	19,262	-3.9	1.4	Rush.....	409	19,349	20,148	19,034	-4.0	5.9							
Wayne.....	733	25,697	27,626	23,896	-7.0	16.0	St. Joseph.....	490	84,312	58,881	42,457	43.2	38.7							
White.....	507	25,052	25,386	25,005	-2.2	1.5	St. Louis.....	180	8,323	8,307	7,833	0.2	6.1							
Whiteside.....	679	34,507	34,710	30,854	-0.6	12.5	Shelby.....	407	26,802	26,491	25,454	1.2	4.1							
Will.....	844	84,371	74,764	62,007	12.8	20.6	Spencer.....	403	20,676	22,407	22,660	-7.7	1.6							
Williamson.....	449	45,098	27,796	22,226	62.2	25.1	Starke.....	305	10,567	10,431	7,339	1.3	42.1							
Winneshago.....	529	63,153	47,845	39,938	32.0	19.8	Stenben.....	305	14,274	15,219	14,478	-6.2	5.1							
Woodford.....	528	20,506	21,822	21,429	-6.0	1.8	Sullivan.....	460	32,439	26,005	21,877	24.7	18.9							
INDIANA																				
Adams.....	317	21,840	22,352	20,181	-1.8	10.2	Switzerland.....	222	9,914	11,840	12,514	-16.3	-5.4							
Allen.....	641	93,366	77,270	66,639	20.9	15.9	Tipton.....	503	40,063	38,659	35,078	3.6	10.2							
Bartholomew.....	407	24,813	24,594	23,987	0.9	3.0	Tipton.....	290	17,459	19,116	18,157	-8.7	5.3							
Benton.....	408	12,688	13,123	11,903	-3.3	10.2	Union.....	162	6,260	6,748	7,006	-7.2	-3.7							
Blackford.....	168	15,829	17,213	10,491	-8.1	64.5	Vanderburg.....	233	77,438	71,769	59,609	7.9	20.0							
Boone.....	427	24,673	26,321	26,572	-6.3	-0.9	Vanderburgh.....	254	18,845	15,252	13,154	23.7	15.9							
Brown.....	324	7,975	9,727	10,308	-18.0	-5.6	Vigo.....	409	87,930	62,035	50,195	41.7	23.6							
Carroll.....	377	17,970	19,953	20,021	-9.9	-0.3	Wabash.....	425	26,926	28,235	27,126	-4.6	4.1							
Cass.....	415	36,368	34,545	31,152	5.3	10.9	Warren.....	308	10,899	11,371	10,955	-4.2	3.8							
Clark.....	375	30,260	31,835	30,259	-4.9	5.2	Warrick.....	392	21,911	22,329	21,161	-1.9	5.5							
Clay.....	361	32,535	34,285	30,536	-5.1	12.3	Washington.....	519	17,445	19,409	18,619	-10.1	4.2							
Clinton.....	408	29,674	29,202	27,370	-2.4	3.0	Wayne.....	411	43,757	38,970	37,628	12.3	3.6							
Crawford.....	303	12,057	13,476	13,941	-10.5	-3.3	Wells.....	365	22,418	23,449	21,514	-4.4	9.0							
Daviess.....	433	27,747	29,914	26,227	-7.2	14.1	White.....	507	17,402	19,138	15,671	-8.0	22.1							
Dearborn.....	313	21,396	22,194	23,364	-3.6	-5.0	Whitley.....	338	16,892	17,328	17,768	-2.5	-2.5							
Decatur.....	378	18,793	19,518	19,277	-3.7	1.3	IOWA													
Dekalb.....	370	25,054	25,711	24,307	-2.6	5.8	Adair.....	573	14,420	16,192	14,534	-10.9	11.4							
Delaware.....	392	51,414	49,624	30,131	3.6	64.7	Adams.....	427	10,998	13,601	12,992	-19.1	10.6							
Dubuque.....	427	19,843	20,357	20,233	-2.5	0.6	Albany.....	639	17,328	18,711	17,907	-7.4	4.5							
Elkhart.....	462	49,008	45,052	39,201	8.8	14.9	Appanoose.....	513	28,701	25,927	18,961	10.1	36.7							
Fayette.....	216	14,415	13,495	12,630	6.8	6.8	Auburn.....	443	12,671	13,626	12,412	-7.0	9.8							
Floyd.....	148	30,293	30,118	29,458	0.6	2.2	Benton.....	712	23,156	25,177	24,178	-8.0	4.1							
Franklin.....	394	15,335	16,388	18,366	-6.4	-10.8	Blackhawk.....	565	41,835	32,399	24,129	38.5	33.8							
Fulton.....	367	16,879	17,453	16,746	-3.3	4.2	Boone.....	509	27,626	28,200	25,772	-2.0	18.6							
Gibson.....	486	30,137	30,099	24,920	0.1	20.8	Bremer.....	434	15,843	16,385	14,630	-2.8	11.4							
Grant.....	423	51,425	54,693	31,493	-6.0	73.7	Buchanan.....	507	19,748	21,427	18,997	-7.8	12.8							
Greene.....	513	36,873	28,530	24,379	29.2	17.0	Buena Vista.....	571	15,981	16,975	13,548	-5.9	25.3							
Hamilton.....	307	27,026	29,914	26,123	-9.7	14.5	Butler.....	577	17,119	17,955	15,463	-4.7	16.1							
Hancock.....	307	19,030	19,189	17,829	-0.8	7.6	Calhoun.....	508	17,690	18,509	13,107	-8.0	41.7							
Harrison.....	486	20,232	21,792	20,780	-6.8	4.4	Carroll.....	571	19,701	20,371	18,228	-7.6	7.9							
Hendricks.....	408	20,840	21,292	21,498	-2.1	-1.0	Cass.....	564	19,047	21,274	19,645	-10.5	8.3							
Henry.....	397	29,758	25,088	23,879	18.6	5.1	Cedar.....	570	17,705	19,371	18,253	-8.3	6.1							
Howard.....	297	33,177	28,575	26,196	16.1	9.1	Cerro Gordo.....	571	16,672	17,073	14,864	-21.1	89.1							
Huntington.....	386	28,982	28,901	27,644	0.3	4.5	Cherokee.....	573	16,741	16,570	15,659	1.0	5.8							
Jackson.....	518	24,727	26,633	24,139	-7.2	10.3	Chickasaw.....	497	15,735	17,537	15,019	-9.8	13.4							
Jasper.....	562	13,044	14,292	11,185	-8.7	27.8	Clarke.....	428	10,736	12,440	11,382	-13.7	9.8							
Jay.....	375	24,961	26,818	23,478	-6.9	14.2	Clay.....	563	12,766	13,401	9,309	-4.7	44.0							
Jefferson.....	364	20,483	22,913	24,507	-10.6	-6.5	Clayton.....	762	25,576	27,750	26,733	-7.8	3.8							
Jennings.....	383	14,203	15,757	14,608	-9.9	7.9	Clinton.....	601	45,394	43,832	41,199	3.6	6.4							
Johnson.....	322	29,394	20,223	19,361	0.8	3.4	Crawford.....	713	29,014	21,685	18,894	-7.6	14.8							
Knox.....	510	39,183	32,746	28,044	19.7	16.8	Dallas.....	659	23,628	23,058	20,479	2.8	12.6							
Kosciusko.....	541	27,936	29,109	28,645	-4.0	1.6	Davis.....	501	13,315	15,620	15,258	-14.8	2.4							
Lagrange.....	387	15,148	15,294	15,615	-0.9	-2.1	DeKalb.....	423	16,347	17,105	15,787	-8.0	15.8							
Lake.....	492	82,664	37,892	23,886	118.7	58.6	Delaware.....	571	17,888	19,185	17,349	-6.8	10.6							
Laporte.....	595	45,797	38,386	34,445	19.3	11.4	Des Moines.....	409	36,145	35,989	35,324	0.4	1.9							
Lawrence.....	456	30,625	25,729	19,792	19.0	30.0	Dickinson.....	376	8,137	7,995	4,328	1.8	84.7							
Madison.....	491	65,224	70,470	36,487	-7.4	93.1	Drubque.....	601	57,450	56,403	49,848	1.9	13.1							
Marion.....	397	263,661	197,227	141,156	33.7	39.7	Emmet.....	393	9,816	9,936	4,274	-1.2	132.5							
Marshall.....	441	24,175	25,119	23,818	-3.8	5.5	Fayette.....	724	27,919	29,845	23,141	-6.5	29.0							
Martin.....	339	12,950	14,711	13,973	-12.0	5.3	Franklin.....	578	17,119	17,554	15,424	-3.6	15.1							
Miami.....	384	29,350	28,344	25,821	3.5	9.8	Fremont.....	507	15,623	18,546	16,842	-15.8	10.1							
Monroe.....	416	24,426	20,873	17,673	12.2	18.1	Greene.....	574	16,023	17,820	15,797	-10.1	12.8							
Montgomery.....	501	29,296	29,388	28,025	-0.3	4.9	Grundy.....	501	13,574	13,757	13,215	-1.3	4.1							
Morgan.....	406	21,182	20,457	18,643	3.5	9.7	Guthrie.....	505	17,374	18,729	17,380	-7.2	7.8							
							Hamilton.....	570	19,242	19,514	15,319	-1.4	27.4							

\* State total includes population (401) of Indian reservations specially enumerated in 1890, not distributed by counties.



# POPULATION OF COUNTIES.

37

AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.			PER CENT OF INCREASE.		Land area in square miles: 1910		POPULATION.			PER CENT OF INCREASE.		Land area in square miles: 1910		
COUNTY.		1910	1900	1890	1900-1910	1890-1910	COUNTY.		1910	1900	1890	1900-1910	1890-1910	COUNTY.		
<b>IOWA—Con.</b>																
Hancock.....	570	12,731	13,752	7,621	-7.4	80.4	Coffey.....	644	15,205	16,643	15,856	-8.6	5.0			
Hardin.....	569	20,921	22,794	19,003	-8.2	19.9	Comanche.....	788	3,281	1,619	2,549	102.7	-36.5			
Harrison.....	691	23,162	25,597	17,356	-9.5	19.9	Cowley.....	1,133	31,790	30,156	34,478	5.4	-12.5			
Henry.....	427	18,640	20,022	18,805	-6.9	6.0	Crawford.....	605	51,178	38,809	30,286	31.9	28.1			
Howard.....	468	12,920	14,512	11,182	-11.0	29.8	Decatur.....	891	8,976	9,234	8,411	-4.8	9.7			
Humboldt.....	431	12,182	12,667	9,836	-3.5	28.8	Dickinson.....	838	24,361	21,516	22,273	11.7	-2.1			
Ia.....	430	11,296	12,327	10,705	-8.1	15.2	Dodgson.....	378	14,422	15,079	13,585	-4.4	111.1			
Iowa.....	683	18,409	19,544	18,270	-5.8	7.0	Douglas.....	469	24,724	25,096	23,611	-5.7	4.7			
Jackson.....	632	21,253	23,615	22,771	-10.0	3.7	Edwards.....	611	7,033	7,683	3,600	91.0	-6.3			
Jasper.....	730	27,034	26,976	24,943	0.2	8.2	Elk.....	652	10,128	11,443	12,216	-11.5	-2.3			
Jefferson.....	431	15,911	17,437	15,184	-8.5	14.8	Ellis.....	901	12,170	8,626	7,942	41.1	8.6			
Johnson.....	610	25,914	24,817	23,082	4.4	7.5	Ellsworth.....	724	10,444	9,629	9,272	8.5	3.8			
Jones.....	569	19,050	21,954	20,233	-13.2	8.5	Finney.....	1,276	6,908	3,469	3,350	99.1	3.6			
Keokuk.....	578	21,160	24,979	23,862	-15.3	4.7	Ford.....	1,082	11,393	5,497	5,308	107.3	3.6			
Kossuth.....	973	21,971	22,720	13,120	-3.3	73.2	Franklin.....	585	20,884	21,354	20,279	-2.2	5.1			
Lee.....	511	36,702	39,719	37,715	-7.6	5.3	Geary.....	390	12,681	10,744	10,423	18.0	3.1			
Linn.....	709	60,720	55,392	45,303	9.6	22.3	Gove.....	1,080	6,044	2,441	2,994	147.6	-18.5			
Louisia.....	396	12,835	13,516	11,873	-4.9	13.8	Graham.....	867	8,700	5,173	5,029	68.2	-2.9			
Lucas.....	432	13,462	16,121	14,563	-16.5	10.7	Grant.....	578	1,087	422	1,308	157.6	-67.7			
Lyon.....	582	14,624	13,165	8,680	11.1	51.7	Gray.....	857	3,121	1,264	2,415	146.9	-47.7			
Madison.....	563	15,621	17,710	15,977	-11.8	10.8	Greene.....	776	1,335	493	1,264	170.8	-61.0			
Mahaska.....	568	29,860	34,273	28,405	-12.9	19.0	Greeley.....	1,158	16,060	16,196	16,399	-0.8	-0.7			
Marion.....	563	22,925	24,159	23,058	-4.8	4.8	Hamilton.....	984	3,360	1,426	2,027	135.6	-29.6			
Marshall.....	572	30,279	29,991	25,842	1.0	16.1	Harper.....	799	14,748	10,310	13,266	43.0	-22.3			
Mills.....	438	15,511	16,764	14,548	-5.7	15.2	Harvey.....	540	19,200	17,991	17,601	9.1	-0.1			
Mitchell.....	463	13,435	14,916	13,299	-9.9	12.2	Haskell.....	577	993	457	1,077	117.3	-57.6			
Monona.....	686	16,638	17,800	14,515	-7.5	23.9	Hodgeman.....	585	2,830	2,032	2,395	44.2	-15.2			
Monroe.....	432	23,429	17,983	13,666	41.4	31.6	Jackson.....	675	16,801	17,117	14,626	-1.5	110.1			
Montgomery.....	424	16,644	17,803	15,848	-6.7	12.3	Jefferson.....	543	15,820	17,533	16,630	-9.7	5.5			
Muscatine.....	432	29,505	28,242	24,504	4.5	15.3	Jewell.....	900	18,148	19,420	19,349	-6.5	0.4			
O'Brien.....	569	17,262	16,985	13,609	1.6	30.1	Johnson.....	486	18,288	18,104	17,385	1.0	4.1			
Osceola.....	395	8,856	8,725	5,574	2.6	56.5	Kearny.....	858	3,206	1,107	1,571	189.6	-29.5			
Page.....	531	24,002	24,341	19,611	-0.8	13.3	Kingman.....	867	11,880	10,661	10,828	23.5	-6.8			
Palo Alto.....	501	13,845	14,354	9,318	-3.5	54.0	Kiowa.....	723	6,174	2,365	2,873	161.1	-17.7			
Plymouth.....	856	23,129	22,209	19,568	4.1	13.5	Lafayette.....	614	31,423	27,387	27,586	14.7	-0.7			
Pocahontas.....	576	14,808	15,339	9,553	-3.5	60.6	Lane.....	745	2,603	1,563	2,060	66.5	-24.1			
Polk.....	582	110,438	82,624	65,410	33.7	26.3	Leavenworth.....	440	41,207	40,940	38,485	0.7	6.4			
Pottawattamie.....	942	55,832	54,336	47,430	2.8	14.6	Lincoln.....	721	10,142	9,886	9,709	2.6	1.8			
Poweshiek.....	580	19,889	19,414	18,294	0.9	8.5	Linn.....	613	14,735	16,689	17,215	-11.7	-3.1			
Ringold.....	540	12,904	15,325	13,556	-15.8	13.0	Logan.....	1,082	4,240	1,962	3,384	116.1	-42.0			
Sac.....	574	16,555	17,639	14,622	-6.1	21.5	Lyon.....	845	24,927	25,074	23,196	-0.6	8.1			
Scott.....	449	60,000	51,558	43,164	16.4	19.4	McPherson.....	900	21,521	21,421	21,614	0.5	-0.9			
Shelby.....	589	16,552	17,811	17,411	-7.7	1.8	Marion.....	971	22,415	20,676	20,539	8.4	0.7			
Sioux.....	760	25,248	23,337	19,370	8.2	27.0	Marshall.....	905	23,880	24,355	23,912	-2.0	1.9			
Story.....	567	24,083	23,159	18,127	4.0	27.8	Meade.....	984	5,055	1,581	2,542	219.7	-37.8			
Tama.....	720	22,156	24,585	21,651	-9.9	11.8	Miami.....	602	20,030	21,641	19,614	-7.4	10.3			
Taylor.....	534	16,312	18,784	16,384	-13.2	14.6	Mitchell.....	713	14,089	14,647	15,037	-3.8	-2.6			
Union.....	427	16,616	19,928	16,900	-16.6	17.9	Montgomery.....	644	49,474	29,039	23,104	70.4	25.7			
Van Buren.....	477	15,020	17,354	16,253	-13.4	6.8	Morris.....	696	12,397	11,967	11,381	3.6	5.1			
Wapello.....	428	37,743	35,426	30,426	6.5	16.4	Morton.....	715	1,333	304	724	338.5	-58.0			
Warren.....	570	18,194	20,376	18,209	-10.7	11.5	Nemaha.....	716	19,072	20,376	19,249	-6.4	5.9			
Washington.....	559	19,925	20,718	18,468	-3.8	12.2	Neosho.....	580	23,754	19,254	18,561	23.4	3.7			
Wayne.....	524	16,184	17,491	15,670	-7.5	11.6	Ness.....	1,079	5,883	4,335	4,944	29.7	-8.3			
Webster.....	714	34,629	31,787	21,882	9.0	47.1	Newton.....	876	11,014	11,325	10,617	-6.2	6.7			
Winnebago.....	399	11,914	12,725	7,325	-6.4	73.7	Osage.....	718	19,905	23,059	25,062	-15.9	-5.6			
Winneshek.....	686	21,729	23,731	22,528	-8.4	5.3	Oshorne.....	894	12,827	11,844	12,083	8.3	-2.0			
Woodbury.....	607	67,616	54,610	55,632	-23.8	-1.8	Ottawa.....	712	11,811	11,182	12,581	5.6	-11.1			
Woodworth.....	999	19,956	19,887	17,947	-8.6	17.7	Pawnee.....	742	8,839	5,084	5,204	77.3	-2.9			
Wright.....	575	17,951	18,227	12,657	-1.5	51.2	Phillips.....	887	14,150	14,442	13,661	-2.0	5.7			
		81,774	1,690,949	1,470,495	1,428,108	15.0	3.0	Pottawatomie.....	829	17,522	18,470	17,722	-5.1	4.2		
<b>KANSAS</b>																
Allen.....	508	27,640	10,507	13,509	41.7	44.4	Pratt.....	726	11,156	7,085	8,118	57.5	-12.7			
Anderson.....	577	13,829	13,938	14,203	-0.8	-1.9	Rawlins.....	1,004	6,380	5,241	7,756	21.7	-22.4			
Atchison.....	412	28,107	28,667	28,667	-1.7	6.9	Reno.....	1,242	37,853	29,027	27,079	30.4	7.2			
Barber.....	1,134	9,916	6,594	7,973	50.4	-17.3	Republic.....	704	17,447	18,248	19,002	-4.4	-4.0			
Barton.....	892	17,866	13,784	13,172	29.7	4.6	Rice.....	707	15,106	14,745	14,451	2.4	2.0			
Bourbon.....	656	24,070	24,712	28,575	-2.9	-13.5	Riley.....	604	15,783	13,828	13,183	14.1	4.9			
Brown.....	591	21,314	22,369	20,319	-4.7	13.3	Roos.....	719	11,282	7,960	8,018	41.7	-0.7			
Butler.....	1,434	23,059	23,363	24,055	-1.3	-2.9	Rush.....	719	7,826	6,134	5,204	27.6	17.9			
Chase.....	751	7,327	8,246	8,233	-8.7	0.2	Russell.....	805	10,800	8,489	7,333	27.2	15.8			
Chautauqua.....	632	11,429	11,804	12,297	-3.2	-4.0	Saline.....	720	20,338	17,076	17,442	18.1	-2.1			
Cherokee.....	605	38,162	42,694	27,770	-10.6	53.7	Scott.....	714	3,047	1,068	1,262	177.5	-13.0			
Cheyenne.....	1,008	4,248	2,640	4,301	60.9	-40.0	Sedgewick.....	994	73,095	44,037	43,626	66.0	0.9			
Clark.....	973	4,063	1,701	2,337	100.6	-27.8	Seward.....	484	4,681	8,822	1,562	397.7	-2.9			
Clay.....	638	15,251	15,833	16,146	-3.7	-1.9	Shawnee.....	544	61,874	53,727	49,172	15.2	9.3			
Cloud.....	702	18,388	18,071	19,295	1.8	-6.3	Sheridan.....	896	5,551	3,819	3,733	48.0	2.3			

<sup>1</sup> See headnote to table, page 32.

<sup>2</sup> State total includes population (1,012) of Indian reservations specially enumerated in 1890, not distributed by counties; also population (881) of Garfield County, annexed to Finney County in 1883.

<sup>3</sup> For changes in boundaries, etc., of counties, see page 53.

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.	COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.		COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.		
			1910	1900	1890	1900-1910	1890-1900			1910	1900	1890	1900-1910	1890-1900	
KANSAS—Con.															
Sherman.....	1,049	4,549	3,341	5,261	36.2	—36.5		Knox.....	356	22,116	17,372	13,762	27.3	26.2	28.7
Smith.....	888	15,305	16,384	15,613	—6.2	4.9		Larue.....	288	10,701	10,764	9,433	—0.6	14.1	14.8
Staford.....	796	12,510	9,829	8,530	27.3	15.3		Laurel.....	447	19,872	17,592	13,747	13.0	28.0	28.0
Stanton.....	685	1,034	327	1,031	216.2	—1.8		Lawrence.....	422	20,067	19,612	17,702	2.3	10.7	20.7
Stevens.....	729	2,433	620	1,418	295.6	—56.3		Lee.....	199	9,531	7,988	6,205	19.3	28.7	28.7
Sumner.....	1,179	30,654	25,631	30,271	19.6	—15.3		Leslie.....	373	8,976	6,753	3,964	32.9	70.4	70.4
Thomas.....	1,065	5,455	4,112	5,538	32.7	—25.7		Letcher.....	355	10,623	9,172	6,920	15.8	32.5	32.5
Trego.....	899	5,398	2,722	2,535	98.3	7.4		Lewis.....	491	16,887	17,868	14,803	—5.5	20.7	20.7
Wabamsee.....	795	12,721	12,813	11,720	—0.7	9.3		Lincoln.....	338	17,987	17,059	15,962	4.9	6.9	6.9
Wallace.....	921	2,759	1,178	2,468	134.2	—52.3		Livingston.....	392	10,627	11,354	9,474	—6.4	19.8	19.8
Washington.....	902	20,229	21,963	22,894	—7.9	—4.1		Logan.....	643	24,977	25,994	23,812	—3.9	9.2	9.2
Wichita.....	721	2,006	1,197	1,827	67.6	—34.5		Lyons.....	277	9,423	9,319	7,028	1.1	22.2	22.2
Wilson.....	634	19,810	15,621	15,286	26.8	2.2		McCracken.....	239	35,064	28,733	21,051	22.0	36.5	36.5
Woodson.....	93	9,430	10,622	9,921	—5.7	11.1		McLean.....	253	13,241	12,448	9,887	6.4	25.9	25.9
Wyandotte.....	143	100,068	73,227	54,407	36.7	34.6		Madison.....	446	26,951	25,607	21,348	5.2	5.2	5.2
KENTUCKY															
Adair.....	409	16,503	14,888	13,721	10.8	8.5		Magoffin.....	302	13,654	12,006	9,196	13.7	30.6	30.6
Allen.....	394	14,882	14,657	13,692	1.5	7.0		Marion.....	345	16,330	16,290	15,648	0.2	4.1	4.1
Anderson.....	201	10,146	10,051	10,610	0.9	—5.3		Marshall.....	327	15,771	13,692	11,287	15.2	21.3	21.3
Ballard.....	252	12,690	10,761	8,990	17.9	28.3		Martin.....	227	7,291	5,780	4,209	26.1	37.3	37.3
Barren.....	485	25,293	23,197	21,490	9.0	7.9		Mason.....	227	18,611	20,446	20,773	—9.0	—1.6	—1.6
Bath.....	270	13,988	14,734	12,813	—5.1	15.0		Meade.....	391	9,783	10,533	9,484	—7.1	11.1	11.1
Bell.....	384	28,447	17,701	10,312	81.2	52.3		Menifee.....	203	6,153	6,818	4,666	—9.8	46.1	46.1
Boone.....	251	9,420	11,170	12,246	—15.7	—8.8		Mercer.....	253	14,063	14,426	15,034	—2.5	—4.0	—4.0
Bourbon.....	157	17,402	18,069	16,976	—3.4	6.4		Metcalf.....	303	10,453	9,088	9,871	4.7	1.2	1.2
Boyd.....	159	23,444	19,594	14,093	24.5	34.2		Monroe.....	441	13,663	13,053	10,980	4.7	18.8	18.8
Boyle.....	186	14,668	13,817	12,948	6.2	6.7		Montgomery.....	198	12,868	12,834	12,367	0.3	3.8	3.8
Bracken.....	204	10,308	12,157	12,369	—15.1	—1.9		Morgan.....	365	16,259	12,792	12,249	27.1	13.7	13.7
Breathitt.....	483	17,549	14,322	8,705	64.5	5.2		Muhlenberg.....	472	28,598	26,741	17,955	37.9	15.5	15.5
Breckinridge.....	508	21,034	20,534	18,976	2.4	8.2		Nelson.....	411	16,830	16,587	16,417	1.5	1.0	1.0
Bullitt.....	308	9,487	9,602	8,291	—1.2	15.5		Nicholas.....	208	10,601	11,952	10,764	—11.3	11.9	11.9
Butler.....	417	15,805	15,896	13,856	—0.6	13.9		Ohio.....	584	27,642	27,287	22,946	1.3	18.9	18.9
Caldwell.....	322	14,063	14,510	13,186	—3.1	10.0		Oldham.....	180	7,248	7,078	6,754	2.4	4.8	4.8
Calloway.....	412	19,867	17,633	14,675	12.7	20.2		Owen.....	367	14,248	17,353	17,676	—18.8	—0.7	—0.7
Campbell.....	145	59,369	54,223	44,208	9.5	22.7		Owsley.....	216	7,979	6,874	5,975	16.1	15.0	15.0
Carlisle.....	198	9,048	10,185	7,612	—11.3	33.9		Pendleton.....	279	11,985	14,947	16,346	—19.8	—8.6	—8.6
Carroll.....	132	8,110	9,825	9,266	—17.5	6.0		Perry.....	335	11,255	8,276	6,331	36.9	30.0	30.0
Carter.....	413	21,903	20,228	17,704	8.6	17.6		Pike.....	779	31,679	22,886	17,378	39.6	30.5	30.5
Cass.....	379	15,479	15,144	11,848	2.2	27.8		Powell.....	181	6,268	6,443	4,698	—2.7	37.1	37.1
Christian.....	725	38,845	37,962	34,118	2.3	11.3		Pulaski.....	179	55,986	31,293	25,731	15.0	21.6	21.6
Clark.....	265	17,987	16,694	15,434	7.7	8.2		Robertson.....	109	4,121	4,900	4,684	—15.9	4.6	4.6
Clay.....	478	17,789	15,364	12,447	15.8	23.4		Rockcastle.....	310	14,473	12,416	9,841	16.6	26.2	26.2
Clinton.....	233	8,153	7,871	7,047	3.6	11.7		Rowan.....	272	9,458	8,277	6,129	14.0	35.0	35.0
Crittenden.....	391	13,296	15,191	13,119	—12.5	15.8		Russell.....	329	10,861	9,695	8,136	10.0	19.2	19.2
Cumberland.....	387	9,816	8,962	8,452	9.9	6.0		Scott.....	299	16,958	18,076	16,546	—6.2	9.2	9.2
Davies.....	475	41,020	38,667	33,120	6.1	16.7		Shelby.....	427	18,411	18,349	16,521	—1.6	11.0	11.0
Edmonson.....	308	10,469	10,080	8,005	3.9	25.9		Simpson.....	216	11,460	11,624	10,873	—1.4	6.9	6.9
Elliot.....	263	9,814	10,387	9,214	—5.5	12.7		Spencer.....	156	7,597	7,066	6,769	2.2	9.6	9.6
Estill.....	254	12,273	11,669	10,826	5.2	7.7		Taylor.....	279	11,961	11,075	9,353	8.0	18.4	18.4
Fayette.....	209	47,715	42,071	35,698	13.4	17.9		Todd.....	367	16,488	17,371	16,814	—5.1	3.3	3.3
Fleming.....	325	16,006	17,074	16,078	—5.9	6.2		Trigg.....	428	14,539	14,073	13,902	3.3	1.2	1.2
Floyd.....	399	18,623	15,552	11,256	19.7	38.2		Trimble.....	154	6,512	7,272	7,140	—10.5	1.8	1.8
Franklin.....	199	21,135	20,852	21,267	1.4	—2.0		Union.....	325	19,856	21,326	18,229	—6.8	17.0	17.0
Fulton.....	193	14,114	11,546	10,005	22.2	15.4		Unicoi.....	500	30,579	29,970	30,158	—2.0	54.6	54.6
Gallatin.....	193	4,687	5,163	4,611	—9.0	12.2		Washington.....	296	13,940	14,822	14,182	—1.7	4.4	4.4
Garrard.....	217	11,894	12,042	11,138	—1.2	8.1		Wayne.....	590	17,518	18,992	12,852	17.6	15.9	15.9
Grant.....	264	10,581	13,239	12,671	—20.1	4.5		Webster.....	344	20,924	20,097	17,196	4.4	16.9	16.9
Graves.....	351	33,539	33,204	28,534	1.0	16.4		Whitley.....	585	31,982	25,015	17,590	27.9	42.2	42.2
Grayson.....	497	19,958	19,878	18,688	0.4	6.4		Wolfe.....	230	9,864	8,764	7,180	12.6	22.1	22.1
Green.....	279	11,871	12,255	11,463	—3.1	6.9		Woodford.....	195	12,571	13,134	12,380	—4.3	6.1	6.1
Greene.....	346	18,475	15,432	11,911	19.7	29.6		LOUISIANA							
Hancock.....	193	8,512	8,914	9,214	—4.5	—3.3		Acaidia.....	647	31,847	23,483	13,231	35.6	77.5	77.5
Hardin.....	606	22,696	22,937	21,304	—1.1	7.7		Ascension.....	291	23,887	24,142	19,545	—1.1	23.5	23.5
Harlan.....	478	10,566	9,838	6,197	7.4	58.8		Assumption.....	484	24,128	21,620	19,629	11.6	10.1	10.1
Harrison.....	431	16,873	18,570	16,914	—9.1	9.8		Axovelles.....	344	34,102	29,701	25,112	14.8	18.3	18.3
Hart.....	430	18,173	18,390	16,439	—1.2	11.9		Bienville.....	848	21,776	17,588	14,108	23.8	24.7	24.7
Henderson.....	435	29,332	32,907	29,536	—10.8	11.4		Bossier.....	863	21,738	24,153	20,330	—10.0	18.8	18.8
Hickman.....	383	15,716	14,320	14,164	—6.2	3.2		Caddo.....	880	58,290	44,469	31,535	30.8	41.0	41.0
Hopkins.....	225	11,750	11,745	11,637	(?)	0.9		Calcasieu.....	3,650	62,757	30,428	20,176	106.3	50.8	50.8
Jefferson.....	333	34,291	30,995	23,505	10.6	31.9		Caldwell.....	531	8,593	6,917	5,814	24.2	19.0	19.0
Jackson.....	356	10,734	10,561	8,261	1.6	27.8		Cameron.....	1,501	4,288	3,952	2,828	8.5	39.7	39.7
Jefferson.....	387	262,920	232,549	188,598	13.1	23.3		Cataboula <sup>1</sup> .....	718	10,415	16,351	12,002	—36.3	36.2	36.2
Jessamine.....	172	12,613	11,925	11,248	5.8	6.0		Claborn.....	778	25,050	23,029	23,312	8.8	—1.2	—1.2
Jordan.....	268	17,482	13,730	11,027	27.3	24.5		Concordia.....	714	14,278	13,559	14,871	5.3	—8.8	—8.8
Kenton.....	163	20,355	18,594	16,461	10.6	17.1		De Soto.....	847	27,880	25,068	19,899	10.5	26.2	26.2
Knox.....	348	10,791	8,704	5,438	24.0	60.1		East Baton Rouge.....	455	34,580	31,153	25,922	11.0	20.2	20.2

<sup>1</sup> For changes in boundaries, etc., of counties, see page 53.<sup>2</sup> Less than one-tenth of 1 per cent.<sup>3</sup> Subdivisions are designated as parishes.<sup>4</sup> State total includes population (1) specially enumerated in 1890, not credited to any parish.

# POPULATION OF COUNTIES.

39

AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.			PER CENT OF INCREASE.		COUNTY.		POPULATION.			PER CENT OF INCREASE.	
COUNTY.	Land area in square miles: 1910	1910	1900	1890	1900-1910	1890-1900		Land area in square miles: 1910	1910	1900	1890	1900-1910	1890-1900
<b>LOUISIANA—</b>													
Con.													
East Carroll.	420	11,637	11,373	12,362	2.3	—8.0							
East Feliciana.	464	20,055	20,443	17,903	—1.9	14.2							
Franklin.	630	11,969	8,890	6,900	34.9	28.8							
Grant.	683	15,938	12,902	8,270	23.7	50.0							
Iberia.	589	31,362	29,015	20,997	7.7	38.2							
Iberville.	554	30,354	27,006	21,848	14.6	23.6							
Jackson.	578	13,818	9,119	7,453	51.5	22.4							
Jefferson.	425	18,347	15,321	13,221	19.1	15.9							
La Salle.	640	9,402											
Lafayette.	279	28,733	22,825	15,966	25.9	43.0							
Lafourche.	991	33,111	28,882	22,095	14.6	30.7							
Lincoln.	472	18,485	15,808	14,753	16.3	7.8							
Livingston.	662	10,627	8,100	5,769	31.2	40.1							
Madison.	630	10,470	12,322	14,153	—4	—12.8							
Morehouse.	831	18,786	16,634	16,786	12.9	—0.9							
Natchitoches.	1,280	36,455	33,216	25,836	9.8	28.6							
Orleans.	1,900	339,075	287,104	242,639	18.1	18.1							
Ouachita.	642	25,830	20,947	17,985	23.3	16.5							
Plaquemines.	1,005	12,524	13,039	12,541	—3.9	4.0							
Poite Coupee.	576	25,289	25,777	19,613	—1.9	31.4							
Rapides.	1,370	44,545	39,578	27,642	12.5	43.2							
Red River.	400	11,402	11,548	11,318	—1.3	2.0							
Richland.	565	15,769	11,116	10,230	41.9	8.7							
Sabine.	1,029	19,871	15,421	9,290	28.9	64.2							
St. Bernard.	616	5,277	5,031	4,326	4.9	16.3							
St. Charles.	295	11,207	9,072	7,737	23.5	17.3							
St. Helena.	420	9,172	8,479	8,062	8.2	5.2							
St. James.	254	23,009	20,197	15,715	28.5	28.5							
St. John the Baptist.	231	14,338	12,330	11,359	16.3	8.5							
St. Landry.	1,645	66,661	52,906	40,259	26.0	31.4							
St. Martin.	525	23,070	18,940	14,884	21.8	27.3							
St. Mary.	632	39,368	34,145	22,416	15.3	52.3							
St. Tammany.	906	18,917	13,355	10,160	41.9	31.3							
Tensas.	790	25,160	17,625	12,653	65.4	39.3							
Tensas.	632	17,000	19,070	16,647	—10.5	14.6							
Terrebonne.	1,756	28,320	24,464	20,167	15.8	21.3							
Union.	918	29,451	18,520	10,764	54.0	74.0							
Vermilion.	1,213	26,390	20,705	14,234	27.5	45.5							
Vernon.	1,367	17,384	10,327	5,903	68.3	74.9							
Washington.	655	18,886	9,628	6,700	96.2	43.7							
Webster.	609	19,156	15,125	12,466	26.8	21.3							
West Baton Rouge.	214	12,636	10,285	8,303	22.9	23.0							
West Carroll.	346	24,249	3,685	3,748	69.6	—1.7							
West Feliciana.	352	13,449	15,994	15,062	—15.9	6.2							
Win.	969	18,357	9,648	7,082	90.3	36.2							
<b>MAINE—</b>													
Androscoggin.	459	59,822	51,242	48,968	10.3	10.8							
Aroostook.	6,433	74,664	60,744	49,589	22.9	22.5							
Cumberland.	853	112,014	100,689	90,949	11.2	10.7							
Franklin.	1,789	19,119	18,444	17,053	3.7	8.2							
Hancock.	1,522	35,575	37,341	37,312	—4.5	—0.2							
Kennebec.	879	62,863	59,117	57,012	6.3	3.7							
Knox.	351	28,981	30,406	31,473	—4.7	—3.4							
Lincoln.	457	18,216	19,609	21,996	—9.7	—10.6							
Oxford.	1,980	36,256	32,238	30,586	12.5	5.4							
Penobscot.	3,258	53,285	76,246	72,865	11.9	4.6							
Piscataquis.	3,770	19,887	10,949	16,134	17.3	5.1							
Sagadahoc.	250	18,574	20,330	19,422	—8.6	4.5							
Somerset.	3,633	36,301	33,849	32,627	7.2	3.7							
Waldo.	724	22,383	24,182	27,759	—7.3	—12.9							
Washington.	2,528	42,905	45,232	44,827	—5.1	1.7							
York.	989	68,526	64,885	62,829	5.6	3.3							
<b>MARYLAND—</b>													
Con.													
Allegany.	443	62,411	53,694	41,571	16.2	29.2							
Anne Arundel.	432	39,553	39,620	34,094	—0.2	16.2							
Baltimore.	650	122,349	90,755	72,969	34.8	24.5							
Baltimore city.	30	558,485	508,957	434,439	9.7	17.2							
Calvert.	218	10,325	10,223	9,960	1.0	3.7							
Caroline.	319	19,216	16,248	13,903	18.3	16.9							
Carroll.	447	37,694	33,860	32,376	0.2	4.6							
Cecil.	377	23,769	25,851	24,667	—3.7	—4.8							
Charles.	464	16,398	17,662	15,191	—7.2	16.3							
Dorchester.	676	28,669	27,962	24,843	2.5	12.6							
Frederick.	663	52,673	51,920	49,512	1.5	4.9							
Garrett.	685	20,165	17,701	14,213	13.6	24.5							
Harford.	442	27,965	28,269	28,993	—1.1	—2.5							
Howard.	250	16,166	16,715	16,909	—3.6	2.7							
Kent.	282	16,957	18,786	17,471	—9.7	7.5							
Montgomery.	521	32,089	30,451	27,185	5.4	12.0							
Prince Georges.	492	36,147	29,898	26,080	20.9	14.6							
Queen Annes.	365	16,839	18,364	18,461	—8.3	—0.5							
St. Marys.	371	17,030	17,182	15,819	—0.9	8.6							
Somerset.	331	26,455	25,923	24,155	2.1	7.3							
Talbot.	268	19,620	20,342	19,736	—3.5	3.1							
Washington.	459	49,617	45,133	39,782	9.9	13.5							
Wicomico.	371	26,815	22,852	19,930	17.3	14.7							
Worcester.	435	21,847	20,865	19,747	4.7	5.7							
<b>MASSACHUSETTS—</b>													
Con.													
Barnstable.	409	27,542	27,826	29,172	—1.0	—4.6							
Berkshire.	966	105,259	95,667	81,108	10.0	18.0							
Bristol.	567	318,573	252,029	186,465	26.4	35.2							
Dukes.	107	4,304	4,361	4,369	—1.2	1.4							
Essex.	497	436,477	357,030	299,995	22.3	19.0							
Franklin.	637	43,600	41,209	38,610	5.8	6.7							
Hamden.	696	231,369	175,903	133,713	31.8	29.4							
Hampshire.	585	63,327	58,820	51,859	7.7	13.4							
Middlesex.	832	669,915	565,696	431,167	18.4	31.2							
Nantucket.	51	2,962	3,006	3,208	—1.5	—8.0							
Norfolk.	410	187,506	151,539	118,950	23.7	27.4							
Plymouth.	675	144,337	113,985	92,700	26.6	23.0							
Suffolk.	511	731,388	611,417	484,780	19.6	28.1							
Worcester.	1,536	399,657	346,935	280,787	15.2	23.6							
<b>MICHIGAN—</b>													
Con.													
Alcona.	684	5,705	5,691	5,409	0.2	5.2							
Alcona.	920	7,075	5,868	1,238	30.8	374.0							
Alcona.	833	39,819	38,812	38,961	2.6	—0.4							
Alcona.	584	19,965	18,965	15,584	9.4	17.2							
Antrim.	475	15,692	16,568	10,413	—5.3	59.1							
Arenac.	374	9,640	9,821	5,683	—1.8	72.8							
Baraga.	917	6,127	4,320	4,066	41.8	42.3							
Barry.	556	22,633	22,514	23,783	0.5	—5.3							
Bay.	443	68,238	62,378	56,412	9.4	10.6							
Benzie.	314	10,638	9,685	5,237	9.8	54.9							

## ABSTRACT OF THE CENSUS—POPULATION.

AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900,  
AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.			PER CENT OF INCREASE.		Land area in square miles:		POPULATION.			PER CENT OF INCREASE.	
COUNTY.		1910	1900	1890	1900-1910	1890-1900	COUNTY.		1910	1900	1890	1900-1910	1890-1900
MICHIGAN—													
Con.													
Lenawee	743	47,967	48,406	48,448	-1.0	-0.1	Koochiching <sup>1</sup>	3,141	6,431	10,382	8.0	37.6	
Livingston	568	17,736	19,664	20,858	-9.8	-5.7	Lac qui Parle	790	15,435	14,289	8.0	37.6	
Lapeer	920	4,694	2,983	2,453	34.2	21.5	Lake	2,099	8,011	4,654	72.4	258.3	
Mackinac	1,044	9,249	7,703	7,830	20.1	-1.6	Le Sueur	466	18,609	20,234	19,057	-8.0	6.2
Macomb	472	32,606	33,244	31,813	-1.9	4.5	Lincoln	535	9,874	8,966	5,691	10.1	57.5
Manistee	562	26,688	27,856	24,230	-4.2	15.0	Lyon	708	15,722	14,591	9,501	7.8	53.6
Marquette <sup>1</sup>	1,870	46,739	41,239	39,521	13.3	4.3	McLeod	496	18,691	19,595	17,026	-4.6	13.1
Mason	494	21,832	18,885	16,385	15.6	15.3	Mahnomon <sup>1</sup>	572	3,249	15,698	9,130	4.1	71.9
Mecona <sup>1</sup>	571	19,466	20,663	19,697	-5.9	5.1	Marshall	1,788	16,338	15,698	9,130	4.1	71.9
Menominee <sup>1</sup>	1,056	25,448	27,046	35,639	-5.2	-19.6	Martin	719	17,518	16,936	9,403	3.4	80.1
Midland	529	14,005	14,439	10,657	-3.0	35.5	Meeker	621	17,022	17,753	15,456	-4.1	14.9
Missaukee	582	10,606	9,308	5,948	13.9	84.4	Mill Lac	583	10,705	8,066	2,845	32.7	183.5
Monroe	573	22,917	32,754	32,357	0.5	1.3	Morrison	1,143	24,053	22,891	13,325	5.1	71.8
Montcalm	724	32,069	32,754	32,637	-2.1	0.4	Murray	704	11,755	11,911	6,692	-1.3	78.0
Montmorency	561	3,753	3,234	1,487	16.1	117.5	Nicollet	443	14,125	11,774	13,382	-4.4	10.4
Muskegon	504	40,577	37,036	40,013	9.6	-7.4	Nobles	722	15,210	14,932	7,953	1.9	87.6
Newaygo	851	19,220	17,673	20,246	8.8	-13.7	Norman	860	15,446	15,045	10,618	-10.6	41.7
Oakland	886	49,576	44,792	41,245	10.7	8.6	Olmsted	666	22,497	23,119	19,806	-2.7	16.7
Ogemaw	543	18,379	16,644	15,698	10.4	6.0	Otter Tail	2,039	46,036	43,375	34,232	1.5	32.6
Ontonagon	580	8,907	7,765	5,583	14.7	39.1	Pennington <sup>1</sup>	607	9,376	11,774	12,195	-37.5	184.9
Oshtemo	1,333	8,550	6,197	3,756	39.6	65.0	Pine	1,413	15,878	15,546	4,052	37.5	184.9
Osceola	577	17,889	17,859	14,630	0.2	22.1	Pipestone	409	9,553	9,264	5,132	3.1	80.5
Oscoda	576	2,627	1,468	1,994	38.1	-29.9	Polk <sup>1</sup>	1,979	36,001	35,429	30,192	1.6	17.3
Otsego	528	6,552	6,175	4,272	6.1	44.5	Pope	693	12,746	12,577	10,032	1.3	25.4
Ottawa	565	45,301	39,667	35,358	14.2	12.2	Ramsey	161	223,675	170,554	139,796	31.1	22.0
Presque Isle	678	11,249	8,821	4,687	27.5	88.2	Red Lake <sup>1</sup>	432	6,564	12,195	12,195	-46.2	2.9
Roscommon	538	2,274	1,787	2,033	27.3	-12.1	Redwood	161	18,425	17,261	9,386	6.7	83.9
Saginaw	828	80,290	81,222	82,273	9.9	-1.3	Renville	978	23,123	23,693	17,099	-2.4	38.6
St. Clair	710	52,341	55,228	52,165	-5.2	6.0	Rice	495	25,911	26,080	23,968	-0.6	8.8
St. Joseph	503	25,499	29,889	25,356	6.7	-5.8	Rock	492	10,222	9,668	6,817	5.7	41.8
Sanilac	976	33,930	33,055	32,589	-3.2	7.6	Roseau <sup>1</sup>	1,670	11,536	6,045	11,536	62.6	41.7
Schoolcraft	1,207	8,581	7,889	5,818	10.0	35.6	St. Louis	6,503	163,274	82,932	44,862	96.9	482.9
Shiawassee	857	33,246	32,866	30,952	-1.8	6.4	Scott	3,066	14,888	15,147	13,831	-1.7	9.5
Tuscola	562	34,913	35,890	32,508	-2.7	10.0	Sherburne	448	8,136	7,281	5,908	11.7	23.2
Van Buren	617	33,185	33,274	30,341	-0.3	8.9	Sibley	585	15,540	16,862	15,199	-7.8	10.9
Washtenaw	704	44,714	47,701	42,210	-6.4	13.2	Stearns	1,362	47,733	44,464	34,844	7.4	27.6
Wayne	620	531,591	348,793	257,114	52.4	35.7	Steele	431	16,146	16,524	13,232	-2.3	24.9
Wexford	577	20,769	16,845	11,278	23.3	49.4	Stevens	564	8,293	8,721	5,251	-4.9	66.1
MINNESOTA													
	80,858	2,075,708	1,751,394	1,310,283	18.5	38.7	Swift	741	12,949	13,503	10,161	-4.1	32.9
Aitkin	1,830	10,371	6,743	2,462	53.8	173.9	Todd	957	23,407	22,212	12,680	5.4	71.8
Anoka	459	12,493	11,313	9,884	10.4	14.5	Traverse	568	8,049	7,573	4,516	6.3	67.7
Becker	1,349	18,840	14,375	9,401	31.1	52.9	Wabasha	541	18,554	18,924	16,972	-2.0	11.5
Beltrami	3,822	19,337	11,030	312	75.3	4,950.3	Wadena	538	8,652	7,921	4,033	9.2	95.4
Benton	405	11,615	9,912	6,284	17.2	57.7	Waseca	431	13,466	14,769	13,313	-8.8	10.9
Big Stone	491	9,367	8,731	5,722	7.3	52.6	Washington	397	26,013	27,808	25,992	-6.5	7.0
Blue Earth	762	26,337	32,263	29,210	-1.1	10.5	Washburn	434	11,382	11,496	7,746	-1.0	48.4
Brown	612	20,134	19,787	15,817	1.8	25.1	Wilkin	745	9,063	8,080	4,346	12.2	85.9
Carlton	867	17,559	10,017	5,272	75.3	483.0	Winona	637	33,398	35,686	33,797	-6.4	5.6
Carver	376	17,455	17,344	16,532	-0.5	6.1	Wright	691	28,052	29,157	24,164	-3.7	20.7
Cass <sup>1</sup>	2,104	11,620	7,777	1,247	49.4	432.7	Yellow Medicine	749	15,406	14,602	9,854	5.5	48.7
Chippewa	591	13,458	12,499	8,555	7.7	46.1							
Chisago	427	13,837	13,248	10,359	2.2	27.9							
Clay	1,043	19,640	17,942	11,517	9.5	55.8							
Clearwater <sup>1</sup>	1,019	6,870											
Cook	1,498	1,336	810	98	64.9		MISSISSIPPI						
Cottonwood	640	12,651	12,069	7,412	4.8	62.8	Adams	426	25,265	30,111	26,031	-16.1	15.7
Crow Wing	1,057	16,861	14,250	8,852	18.3	61.0	Alcorn	386	18,159	14,987	13,115	21.2	14.3
Dakota	599	25,171	21,733	20,240	16.8	7.4	Amite	714	22,854	20,708	18,198	10.8	13.8
Dodge	440	12,094	13,340	10,864	-9.3	22.0	Attala	715	28,851	26,248	22,213	9.9	18.2
Douglas	648	17,669	17,964	14,606	-1.6	23.8	Benton	396	10,243	10,510	10,585	-2.5	-0.7
Faribault	719	19,949	22,055	16,708	-0.5	32.0	Bolivar	879	48,903	35,427	29,980	38.0	18.2
Fillmore	868	25,680	28,238	25,966	-9.1	8.7	Calhoun	579	17,726	16,312	14,688	7.4	12.4
Freeborn	735	22,282	21,838	17,962	2.0	21.6	Carroll	624	23,139	22,116	18,773	4.6	17.8
Goodhue	707	31,637	31,137	28,806	1.6	8.1	Chickasaw	501	22,846	19,892	19,891	14.9	( <sup>2</sup> )
Grant	553	9,114	8,935	6,875	2.0	30.0	Choctaw	414	14,357	13,036	10,847	10.1	20.2
Hennepin	565	333,480	228,340	185,294	46.0	23.2	Claiborne	489	17,403	20,787	14,516	-16.3	43.2
Houston	570	14,297	15,490	14,653	-7.2	5.1	Clarke	675	21,630	19,583	18,607	3.3	5.1
Hubbard	958	9,831	6,578	1,412	49.5	365.9	Copahoma	730	34,217	26,293	18,342	30.1	43.3
Isanti	442	12,615	11,675	7,697	8.1	53.5	Copiah	539	35,914	34,395	30,233	4.4	13.8
Itasca <sup>1</sup>	2,730	17,208	4,573	743	276.3	425.0	Covington <sup>1</sup>	410	16,909	13,076	8,299	29.3	57.6
Jackson	702	14,491	14,793	8,924	-2.0	65.8	De Soto	475	23,130	24,751	24,183	-6.5	2.3
Kanabec	534	6,461	4,614	1,579	40.0	192.2	Forrest <sup>1</sup>	462	20,722				
Kandiyohi	801	18,969	18,416	13,997	3.0	31.6	Franklin	547	15,193	13,678	10,424	11.1	31.2
Kittson	1,111	9,669	7,889	5,387	22.6	46.4	George <sup>1</sup>	475	6,599				

<sup>1</sup> For changes in boundaries, etc., of counties, see page 53.<sup>2</sup> State total includes population (7,848) in 1890 of White Earth Indian Reservation not returned by counties in 1900; returned in 1910 in Clearwater, and Mahanomen Counties.<sup>3</sup> State total includes population (8,457) of Indian reservations specially enumerated in 1890, not distributed by counties.<sup>4</sup> See heading to table, page 32.<sup>5</sup> Less than one-tenth of 1 per cent.

# POPULATION OF COUNTIES.

41

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.			PER CENT OF INCREASE.		COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.	
COUNTY.	Land area in square miles: 1910	1910	1900	1890	1900-1910	1890-1900			1910	1900	1890	1900-1910	1890-1900
MISSISSIPPI—													
Greene <sup>1</sup> .....	710	6,050	6,795	3,906	-11.0	74.0	Cape Girardeau.....	580	27,621	24,315	22,060	13.6	10.2
Grenada.....	442	15,727	14,112	14,974	11.4	-5.8	Carroll.....	703	23,098	26,455	25,742	-2.8	1.7
Hancock <sup>1</sup> .....	469	11,207	11,886	8,318	-5.7	42.9	Carter.....	506	5,504	6,701	4,659	-17.9	43.9
Harrison.....	1,013	34,658	21,002	12,481	60.0	68.3	Cass.....	721	22,973	23,636	23,301	-2.8	1.4
Hinds.....	858	68,736	52,577	39,279	21.2	33.9	Cedar.....	498	16,080	16,923	15,620	-5.0	8.4
Holmes.....	834	39,088	36,828	30,970	6.1	18.9	Chariton.....	768	23,503	26,826	26,254	-12.4	2.2
Issaquena.....	405	10,560	10,400	12,318	1.5	-15.6	Christian.....	553	15,832	16,939	14,017	-6.5	20.8
Ixawanna.....	529	14,526	13,544	11,708	7.3	15.7	Clark.....	408	12,811	15,853	15,126	-16.7	1.7
Jackson <sup>1</sup> .....	710	15,451	16,513	11,251	-6.4	46.8	Clarendon.....	402	20,302	18,903	19,856	7.4	-4.8
Jasper.....	667	18,498	15,394	14,785	20.2	4.1	Clinton.....	423	15,297	17,363	17,138	-11.9	1.3
Jefferson.....	507	18,221	21,292	18,947	-14.4	12.4	Cole.....	389	21,957	20,578	17,281	6.7	19.1
Jefferson Davis <sup>1</sup> .....	404	12,600	.....	.....	.....	.....	Cooper.....	558	20,311	22,532	22,707	-9.9	-0.8
Jones.....	096	29,885	17,846	8,335	67.5	114.2	Crawford.....	747	13,576	12,959	11,961	4.8	8.3
Kemper.....	752	20,348	20,492	17,901	-0.7	14.1	Dade.....	501	15,613	15,125	17,526	-13.9	9.4
Lafayette.....	664	21,853	22,110	20,553	-1.0	7.6	Dallas.....	543	13,181	13,903	12,647	-5.2	9.9
Lamar <sup>1</sup> .....	495	11,741	.....	.....	.....	.....	Davies.....	564	17,005	21,325	20,456	-17.4	4.2
Lauderdale.....	700	46,919	38,150	29,661	23.0	28.6	DeKalb.....	425	12,531	14,418	14,539	-13.1	-0.8
Lawrence <sup>1</sup> .....	418	13,060	15,103	12,318	-13.4	22.6	Dent.....	746	13,245	12,986	12,119	-6.0	2.9
Leake.....	576	18,298	17,360	14,803	5.4	17.3	Douglas.....	804	16,664	16,802	14,111	-0.8	19.1
Lee.....	448	28,894	21,956	20,040	31.6	9.6	Dunklin.....	530	30,328	21,706	15,085	39.7	43.9
Leflore.....	572	36,290	23,834	16,899	52.3	41.3	Franklin.....	879	29,830	30,551	28,656	-2.5	9.0
Lincoln.....	578	28,597	21,552	17,912	32.7	20.3	Gasconade.....	514	12,847	12,298	11,706	4.5	5.1
Lowndes.....	300	30,703	29,095	27,047	5.5	7.6	Genay.....	490	16,820	20,554	19,018	-18.2	8.1
Madison.....	725	33,505	32,493	27,321	3.1	18.9	Greene.....	667	63,831	52,713	48,616	-21.1	8.4
Marion <sup>1</sup> .....	624	15,599	13,501	9,582	15.5	41.6	Grundy.....	433	16,744	17,832	17,876	-6.1	-0.2
Marshall.....	689	26,796	27,674	26,043	-3.2	6.3	Harrison.....	721	20,466	24,398	21,033	-16.1	16.0
Monroe.....	710	35,178	31,216	30,730	12.7	1.6	Henry.....	747	27,242	28,054	28,235	-2.9	-0.6
Montgomery.....	328	17,706	16,536	14,459	7.1	14.4	Hickory.....	744	8,741	9,985	9,453	-12.5	5.6
Neshoba.....	561	17,980	12,726	11,146	41.3	14.2	Holt.....	446	14,539	17,083	15,469	-11.9	10.4
Newton.....	568	23,085	19,708	16,625	17.1	18.5	Howard.....	468	15,653	18,337	17,371	-14.6	5.6
Noxubee.....	682	28,503	30,846	27,338	-7.6	12.8	Howell.....	915	21,065	21,834	18,618	-3.5	17.3
Okfuskeba.....	457	19,676	20,183	17,094	-2.5	14.1	Iron.....	553	8,563	8,716	9,119	-1.8	-4.4
Opalola.....	696	31,274	29,027	26,977	7.7	7.6	Jackson.....	610	283,522	195,193	160,510	45.3	21.6
Pearl River <sup>1</sup> .....	747	10,553	6,697	2,957	58.2	126.5	Jasper.....	635	89,673	84,018	50,590	6.7	66.4
Perry.....	664	7,685	14,682	6,494	-4.7	126.1	Jefferson.....	681	27,878	25,712	22,484	8.4	14.4
Pike.....	707	37,272	27,545	21,203	35.3	29.9	Johnson.....	681	26,297	27,843	28,132	-5.6	-1.0
Pontotoc.....	490	18,688	18,274	14,940	22.3	3.8	Lincoln.....	514	12,403	13,479	13,501	-8.0	-0.2
Prentiss.....	409	16,931	15,788	13,679	7.2	15.7	Laclede.....	513	17,363	16,523	14,701	5.1	12.4
Quitman.....	395	11,593	5,435	3,266	113.3	65.4	Lafayette.....	612	30,154	31,679	30,184	-4.8	5.0
Rankin.....	791	23,944	20,955	17,922	14.3	16.9	Lawrence.....	609	26,583	31,662	26,228	-16.0	20.7
Scott.....	507	16,723	14,316	11,740	16.8	21.9	Lewis.....	504	15,514	16,724	15,935	-7.2	5.0
Sharkey.....	444	15,694	12,178	8,382	28.9	45.3	Lincoln.....	607	17,033	18,352	18,346	-7.2	(1)
Simpson.....	575	17,201	12,800	10,138	34.4	26.3	Linn.....	626	25,233	25,593	24,121	-1.0	5.7
Smith.....	626	16,603	13,055	10,635	27.2	22.8	Livingston.....	531	19,453	22,302	22,790	-12.8	7.9
Sunflower.....	690	28,787	16,084	9,384	79.0	71.4	McDonald.....	537	13,539	15,574	11,283	-0.3	20.3
Tallahatchie.....	629	29,078	19,600	14,361	48.4	36.5	Macon.....	809	30,868	33,018	30,575	-6.5	8.0
Tate.....	400	19,714	20,018	14,202	-1.4	7.1	Madison.....	499	11,273	9,975	9,268	13.0	7.6
Tippah.....	446	14,631	12,983	12,951	12.7	0.2	Marion.....	520	10,088	9,616	8,600	4.9	11.8
Tishomingo.....	428	13,067	10,124	9,302	29.1	8.8	Marion.....	430	30,572	26,331	26,233	-16.1	0.4
Tunica.....	418	18,466	16,479	12,158	13.2	35.5	Mercer.....	436	12,335	14,706	14,581	-16.1	0.9
Union.....	412	18,997	16,522	15,606	15.0	5.9	Miller.....	593	16,717	15,187	14,162	10.1	7.2
Warren.....	572	37,488	40,912	33,164	-8.4	23.4	Mississippi.....	413	14,557	11,837	10,134	23.0	16.8
Washington.....	877	48,933	49,216	40,414	-0.6	21.8	Monteau.....	410	14,375	15,931	15,630	-9.8	1.9
Wayne.....	812	14,709	12,539	9,817	17.3	27.7	Monroe.....	666	18,304	19,716	18,790	-2.2	-5.2
Webster.....	416	14,853	13,619	10,460	6.1	12.9	Montgomery.....	514	15,604	16,571	16,850	-5.8	-1.7
Wilkinson.....	667	18,075	21,453	17,592	-15.7	21.9	Morgan.....	614	12,863	12,175	12,311	5.7	-1.1
Winston.....	597	17,139	14,124	12,089	21.3	16.8	New Madrid.....	652	19,488	11,280	9,317	72.8	21.1
Yalobusha.....	490	21,519	19,742	16,629	9.0	18.7	Newton.....	622	27,136	27,068	20,018	0.5	22.1
Yazoo.....	1,038	46,672	43,948	36,394	6.2	20.8	Nodaway.....	678	28,853	32,938	30,914	-12.5	6.5
Oregon.....	778	14,681	13,906	10,467	5.6	32.9	Oregon.....	778	14,681	13,906	10,467	5.6	32.9
MISSOURI.....													
Adair.....	571	22,700	21,728	17,417	4.5	24.8	Osage.....	593	14,283	14,096	13,080	1.3	7.8
Andrew.....	812	17,292	17,321	11,808	8.8	8.7	Ozark.....	746	11,926	12,145	9,795	-1.8	24.0
Atchison.....	528	15,282	17,332	16,000	-11.8	8.3	Penicook.....	456	19,559	12,115	5,975	61.4	102.8
Audrain.....	685	12,604	16,501	15,533	-17.6	6.2	Perry.....	462	14,898	15,134	13,237	-1.6	14.3
Barry.....	784	23,869	21,160	22,074	2.5	-4.1	Pettis.....	665	33,913	32,438	31,351	4.5	4.1
Barton.....	596	16,747	18,253	18,504	-6.3	-1.4	Phelps.....	670	15,796	14,194	12,636	11.3	12.3
Bates.....	870	25,869	30,141	32,223	-14.2	-6.5	Pike.....	653	28,734	28,211	25,211	-2.4	-2.2
Benton.....	745	14,881	16,556	14,973	-10.1	10.6	Platte.....	415	14,429	16,193	16,248	-10.9	-0.3
Bollinger.....	690	14,576	13,121	10,460	-0.5	10.7	Polk.....	641	21,261	23,255	20,339	-7.3	14.3
Boone.....	688	30,533	25,642	26,043	6.6	10.0	Pulaski.....	542	11,438	10,394	9,387	10.0	10.7
Buchanan.....	408	93,020	121,838	70,100	-22.7	73.8	Putnam.....	517	14,308	16,688	15,365	-14.3	8.6
Butler.....	699	20,624	16,769	10,164	23.0	65.0	Ralls.....	481	12,913	12,287	12,294	5.1	-0.1
Caldwell.....	433	14,605	16,656	15,152	-12.3	9.9	Randolph.....	491	26,182	24,442	24,903	7.1	-1.8
Callaway.....	808	24,400	25,984	25,131	-6.1	3.4	Ray.....	565	21,451	24,805	24,215	-13.5	2.4
Camden.....	687	11,582	13,113	10,640	-11.7	30.6	Reynolds.....	828	9,992	8,161	6,803	17.5	20.0

<sup>1</sup> For changes in boundaries, etc., of counties, see page 53.

<sup>2</sup> State total includes population (1) specially enumerated in 1890, not credited to any county.

<sup>3</sup> Less than one-tenth of 1 per cent.

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.			PER CENT OF INCREASE.		Land area in square miles: 1910		POPULATION.			PER CENT OF INCREASE.		
COUNTY.		1910	1900	1890	1900-1910	1890-1900	COUNTY.		1910	1900	1890	1900-1910	1890-1900	
<b>MISSOURI—</b>														
Con.							<b>NEBRASKA—</b>							
Ripley.....	627	13,099	13,186	8,512	-0.7	54.9	Dakota.....	253	6,504	6,286	5,386	4.4	16.7	
St. Charles.....	555	24,085	24,474	22,977	0.9	6.5	Dawson.....	1,402	8,292	6,215	9,722	32.8	36.1	
St. Clair.....	706	16,412	17,907	16,747	-8.3	6.9	Dewell.....	439	15,961	12,214	10,129	30.7	20.6	
St. Francois.....	458	35,753	24,051	17,347	48.6	38.6	Dixon.....	439	1,786	2,630	2,893	-32.1	-9.1	
St. Louis.....	487	82,417	50,040	36,307	64.7	37.8	Dodge.....	472	11,477	10,535	8,084	8.9	30.3	
St. Louis city.....	61	687,029	575,238	451,770	19.4	27.3	Douglas.....	531	22,145	22,298	19,260	-0.7	15.8	
Ste. Genevieve.....	481	10,467	10,359	9,883	2.1	4.8	Douglas.....	331	168,546	140,590	158,008	19.9	-11.0	
Saline.....	754	29,448	33,703	33,762	-12.6	-0.2	Dwight.....	927	1,098	2,134	4,012	68.4	-39.3	
Scott.....	309	9,062	10,840	11,249	-16.4	-3.4	Fillmore.....	576	14,674	15,987	16,022	-2.7	-5.8	
Scotland.....	439	11,869	13,332	12,674	-10.3	4.4	Franklin.....	578	10,303	9,455	7,693	9.0	22.9	
Scott.....	419	22,372	13,092	11,228	70.9	16.6	Frontier.....	975	8,572	8,784	8,497	-2.4	3.3	
Shannon.....	992	11,443	11,247	8,808	1.7	26.4	Gage.....	721	12,083	12,753	9,840	-2.3	25.7	
Shelby.....	509	14,864	16,167	15,642	-8.1	3.1	Gardner.....	862	30,325	30,051	36,344	0.9	-17.3	
Stoddard.....	815	27,907	24,669	17,327	12.7	42.4	Gardner.....	1,652	3,538	5,201	60.6	28.2		
Stone.....	510	11,559	9,892	7,090	16.9	39.5	Gardner.....	575	3,417	2,127	1,659	60.6	28.2	
Snellman.....	649	18,598	20,282	19,000	-8.3	6.7	Gosper.....	464	4,933	5,301	4,816	-6.9	10.1	
Taney.....	655	9,134	10,127	7,973	-9.8	27.0	Grant.....	736	1,097	733	458	43.8	8.0	
Texas.....	1,139	21,458	22,192	19,406	-3.3	14.4	Greeley.....	571	8,047	5,691	4,869	41.4	16.9	
Vernon.....	839	28,827	31,616	31,505	-8.8	0.4	Hall.....	528	20,361	17,206	16,513	18.3	4.2	
Warren.....	410	9,123	9,919	9,913	-8.0	0.1	Hamilton.....	538	13,459	13,330	14,096	1.0	-5.4	
Washington.....	731	13,378	14,263	13,153	-6.2	8.4	Harlan.....	574	9,578	9,370	8,158	2.2	14.9	
Wayne.....	515	15,181	15,924	15,165	-0.8	8.0	Hayes.....	722	3,011	2,708	3,953	11.2	-31.6	
Webster.....	585	17,377	16,649	15,177	-4.3	9.6	Jefferson.....	722	4,415	2,794	5,724	5.9	24.0	
Worth.....	265	8,007	9,832	8,738	-18.6	12.5	Jones.....	2,393	15,545	12,293	13,672	27.2	-10.6	
Wright.....	677	18,315	17,519	14,484	4.5	21.0	Hooker.....	722	981	432	426	127.1	1.4	
<b>MONTANA.....</b>		<b>146,201</b>	<b>376,053</b>	<b>243,329</b>	<b>142,924</b>	<b>54.6</b>	<b>70.3</b>	Howard.....	561	10,783	10,343	9,430	4.3	9.7
Beaverhead.....	4,719	6,446	5,615	4,655	14.8	20.6	Jefferson.....	578	16,852	15,196	14,530	10.9	2.3	
Broadwater.....	1,194	3,491	2,641	2,641	32.2	.....	Johnson.....	374	10,187	11,197	10,332	-9.0	8.4	
Carbon.....	2,438	13,962	7,533	.....	85.3	.....	Kearney.....	516	9,106	9,866	9,061	-7.7	8.0	
Cascade.....	3,384	28,833	25,777	8,755	11.9	194.4	Keith.....	1,068	3,602	1,931	2,556	89.2	-23.7	
Chouteau.....	15,972	17,191	10,966	4,741	56.8	5103.6	Keyapaha.....	775	3,452	3,076	3,920	12.2	-21.5	
Custer.....	13,156	14,123	7,891	5,308	79.0	52.1	Knox.....	1,114	18,358	14,343	5,852	28.0	67.1	
Dawson.....	13,251	12,725	2,443	2,056	420.9	18.8	Lancaster.....	853	13,793	64,835	76,395	13.8	-15.1	
Deer Lodge.....	7,709	12,988	17,393	15,155	-25.3	14.8	Lincoln.....	2,536	15,684	11,416	10,441	37.4	9.3	
Fergus.....	9,078	17,885	6,937	.....	159.6	.....	Logan.....	573	1,521	960	1,378	58.4	-30.3	
Flathead.....	6,070	18,785	9,375	.....	100.4	.....	Loup.....	576	2,188	1,305	1,652	67.7	-21.5	
Gallatin.....	2,513	14,079	9,552	6,246	47.4	52.9	Madison.....	1,671	2,740	4,007	378.8	8.7	.....	
Granite.....	1,637	2,942	4,328	.....	-32.0	.....	Madison.....	576	19,101	16,976	13,609	12.5	24.2	
Jefferson.....	1,650	5,601	5,330	6,026	5.1	-11.5	Merrick.....	463	10,379	9,255	8,758	12.1	5.7	
Lewis and Clark.....	3,465	21,833	19,171	19,145	14.0	0.1	Morrill.....	1,417	4,584	.....	.....	.....	.....	
Lincoln.....	3,590	3,638	.....	.....	.....	.....	Nance.....	446	8,926	8,222	5,773	8.6	42.4	
Madison.....	4,581	7,229	7,695	4,692	-6.1	64.0	Nemaha.....	539	13,096	14,462	12,930	-12.4	15.6	
Mineral.....	4,760	4,180	2,526	4,749	65.9	6.8	Nemaha.....	579	12,019	12,114	11,417	4.9	8.7	
Missoula.....	4,253	22,536	14,267	.....	51.8	.....	Nemaha.....	579	19,323	22,258	25,403	-13.3	-12.3	
Park.....	2,675	10,731	7,341	6,881	46.2	6.7	Nemaha.....	579	10,582	11,770	10,340	-10.1	13.8	
Powell.....	2,559	5,904	.....	.....	.....	.....	Payne.....	431	2,570	1,702	1,464	51.0	-61.0	
Ravalli.....	2,447	11,666	7,822	.....	49.1	.....	Perkins.....	538	10,451	10,772	9,869	-3.0	9.1	
Roosveldt.....	9,663	7,985	.....	.....	.....	.....	Pierce.....	577	10,122	8,445	4,864	19.9	73.6	
Sanders.....	2,899	3,713	.....	.....	.....	.....	Platte.....	673	19,006	17,747	15,437	7.1	15.0	
Silver Bow.....	698	56,848	47,635	23,744	19.3	100.6	Polk.....	430	10,521	10,542	10,817	-0.2	-2.5	
Sweet Grass.....	2,918	4,029	3,086	.....	30.6	.....	Rockwell.....	720	11,656	9,034	8,837	15.1	8.7	
Teton.....	9,584	9,540	5,080	82.4	.....	.....	Richardson.....	545	19,448	18,014	17,574	-11.0	11.6	
Valley.....	13,515	13,620	4,355	.....	213.0	.....	Rockwell.....	1,004	3,627	2,809	3,083	29.1	-8.9	
Yellowstone.....	5,729	22,944	6,212	2,065	269.3	200.8	Saline.....	573	17,866	18,252	20,097	-2.1	-9.2	
<b>NEBRASKA.....</b>		<b>76,808</b>	<b>1,922,214</b>	<b>1,066,300</b>	<b>1,062,656</b>	<b>11.8</b>	<b>0.3</b>	Sarpy.....	240	9,274	9,080	6,875	2.1	32.1
Adams.....	345	20,900	18,840	24,303	10.9	-52.5	Sandwich.....	756	21,179	22,085	21,577	-1.1	2.4	
Antelope.....	762	11,403	10,394	10,394	23.4	.....	Scotts Bluff.....	723	8,355	2,552	1,888	227.4	35.2	
Banner.....	1,422	1,444	1,114	2,425	29.6	-54.3	Sevier.....	574	15,895	16,190	1,338	-2.8	.....	
Blaine.....	711	1,672	603	1,146	177.3	-47.4	Sheridan.....	2,469	7,328	6,633	6,887	21.5	-30.6	
Boone.....	692	13,145	11,689	8,683	12.5	34.6	Sherman.....	573	8,278	6,550	6,399	26.4	2.4	
Boxbutte.....	1,076	6,131	5,572	5,494	10.0	1.4	St. Joseph.....	2,055	5,599	2,655	2,452	172.5	-50.2	
Boyd.....	535	8,826	7,332	6,95	20.4	955.0	Stanton.....	431	7,542	6,959	4,619	8.4	16.7	
Butler.....	1,235	3,470	3,329	4,329	75.3	-20.4	Thayer.....	578	14,775	14,325	12,738	3.1	12.5	
Buffalo.....	945	21,967	20,254	22,162	8.2	-8.6	Thomas.....	716	1,191	628	517	89.6	21.5	
Burns.....	475	12,726	13,040	11,669	-2.4	17.8	Thurston.....	387	8,704	6,517	3,176	33.6	105.2	
Butler.....	583	15,403	15,703	15,454	-1.9	1.6	Valley.....	570	7,490	7,092	29.2	3.6		
Cass.....	538	19,786	21,330	24,080	-7.2	-11.4	Washington.....	578	12,738	13,086	11,869	-2.7	10.3	
Cedar.....	735	15,191	12,467	7,028	21.8	-76.8	Wayne.....	450	10,397	9,862	6,169	5.4	59.9	
Chase.....	809	3,013	2,559	4,807	41.7	-44.8	Webster.....	578	12,008	11,019	11,210	3.3	3.6	
Cherry.....	9,979	10,414	6,541	6,428	59.2	1.8	Wheeler.....	578	2,292	1,362	1,683	68.3	-19.1	
Cheyenne.....	1,194	4,551	5,570	5,693	-8.3	-2.2	York.....	575	18,721	18,205	17,279	2.8	5.4	
Clay.....	579	15,729	15,735	16,310	(-)	.....	<b>NEVADA.....</b>		<b>109,821</b>	<b>81,875</b>	<b>42,336</b>	<b>47,355</b>	<b>93.4</b>	<b>-10.6</b>
Colfax.....	405	11,610	11,211	10,453	3.6	7.3	Churchill.....	5,050	2,811	830	703	238.7	18.1	
Cuming.....	577	13,782	14,584	12,265	-5.5	18.9	Clark.....	8,578	3,321	.....	.....	.....	.....	
Curry.....	2,588	25,068	19,758	21,677	29.9	-8.9	Douglas.....	733	1,895	1,534	1,551	23.5	-1.1	
* Includes land area (181 square miles) of that part of Yellowstone National Park in Montana. No population reported for this area.														
* State total includes population (2,660) of Crow Indian Reservation, not returned by counties in 1900; returned in 1910 in Rosebud and Yellowstone Counties.														
* State total includes population (10,765) of Indian reservations specially enumerated in 1890, not distributed by counties.														
* For changes in boundaries, etc., of counties, see page 53.														
* State total includes population (1,594) of Indian reservations specially enumerated in 1890, not distributed by counties.														

\* See headnote to table, page 32.

\* State total includes population (3,746) of Indian reservations specially enumerated in 1890, not distributed by counties; also population (97) of Arthur County, annexed to McPherson County between 1890 and 1900.

\* A decrease of less than one-tenth of 1 per cent.

\* State total includes population (1,594) of Indian reservations specially enumerated in 1890, not distributed by counties.

# POPULATION OF COUNTIES.

43

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.				PER CENT OF INCREASE.		COUNTY.		POPULATION.		PER CENT OF INCREASE.			
COUNTY.	Land area in square miles: 1910	1910	1900	1890	1900-1910	1890-1900		COUNTY.	Land area in square miles: 1910	1910	1900	1890	1900-1910	1890-1900	
<b>NEVADA—Con.</b>								<b>NEW YORK....</b>							
Eureka.....	4,157	1,830	1,954	3,275	-6.3	-40.3		Albany.....	527	173,666	165,571	164,555	4.9	0.6	
Humboldt.....	15,837	6,825	4,463	3,434	52.9	30.0		Allegany.....	1,047	41,412	41,501	43,240	-0.2	-4.0	
Lander.....	5,721	1,786	1,534	2,296	16.4	-32.3		Broome.....	705	78,809	69,149	62,793	14.0	9.8	
Lincoln.....	10,511	3,489	3,284	2,466	6.2	27.6		Cattaraugus.....	1,343	65,919	65,643	60,806	0.4	14.6	
Lyons.....	1,509	3,568	2,268	1,987	57.5	14.1		Cayuga.....	793	67,146	66,234	65,302	1.3	1.4	
Nye.....	18,294	7,513	1,140	1,290	559.0	-11.6		Chautauqua.....	1,069	105,126	88,314	75,202	19.0	17.4	
Ormsby.....	156	3,415	2,893	4,883	18.0	-40.8		Chemung.....	407	54,662	54,063	48,265	1.1	12.0	
Storey.....	251	3,045	3,673	8,806	-17.1	-38.3		Chemung.....	804	35,575	36,568	37,776	-2.7	-3.2	
Washoe.....	6,251	17,434	9,411	6,437	93.1	30.1		Clinton.....	1,049	48,230	47,430	46,437	1.7	2.1	
White Pine.....	8,795	7,441	1,961	1,721	279.4	13.9		Columbia.....	644	43,658	43,211	46,172	1.0	-6.4	
<b>N. HAMPSHIRE</b>								<b>Cortland.....</b>							
Belknap.....	397	21,309	19,526	20,321	9.1	-3.9		DelaWare.....	1,449	45,575	46,415	45,496	-1.8	2.0	
Carroll.....	955	16,516	16,895	18,124	-3.4	-6.8		Dutchess.....	806	87,061	81,670	77,879	7.3	4.9	
Cheshire.....	728	30,659	31,321	29,579	-2.1	5.9		Erie.....	1,034	528,985	433,086	322,981	22.0	33.9	
Franklin.....	1,798	30,753	29,468	23,211	4.4	27.0		Essex.....	1,836	33,468	30,707	33,052	9.0	-7.1	
Grafton.....	1,729	41,652	40,544	37,217	2.0	9.7		Franklin.....	1,678	45,717	42,853	38,110	6.7	19.2	
Hillsborough.....	805	126,072	112,640	93,247	11.9	20.8		Fulton.....	516	44,534	42,842	37,650	3.9	13.8	
Merrimack.....	932	53,335	52,430	49,455	1.7	6.1		Genesee.....	496	37,615	34,561	33,265	8.8	12.9	
Peterborough.....	691	52,188	51,118	49,659	2.1	3.0		Greene.....	643	30,214	31,478	31,598	-1.0	-0.4	
Strafford.....	379	38,951	39,337	38,442	-1.0	2.3		Hamilton.....	1,700	4,373	4,947	4,762	-11.6	3.9	
Sullivan.....	527	19,337	18,009	17,304	7.4	4.1		Herkimer.....	1,459	56,356	51,049	45,608	10.4	11.9	
<b>NEW JERSEY..</b>								<b>Jefferson.....</b>							
Atlantic.....	569	71,834	46,402	28,836	54.9	60.9		Leisler.....	70	6,644,351	1,166,582	838,547	40.1	39.1	
Bergen.....	237	138,002	78,441	47,226	75.9	66.1		Lewis.....	1,270	24,849	27,427	24,801	-9.4	-8.0	
Burlington.....	815	66,565	58,241	58,528	14.3	-0.5		Livingston.....	631	38,037	37,059	37,801	2.6	-2.0	
Camden.....	222	142,009	107,643	87,687	31.9	22.8		Madison.....	659	39,289	40,545	42,892	-3.1	-5.5	
Cape May.....	265	19,745	13,201	11,208	49.6	17.2		Monroe.....	663	283,212	217,854	189,586	30.0	14.9	
Cumberland.....	500	55,153	51,193	45,458	7.7	12.7		Montgomery.....	398	57,567	47,488	45,639	21.2	3.9	
Essex.....	127	512,886	359,053	256,098	42.8	40.2		Nassau.....	274	83,930	55,448	45,691	51.4	34.3	
Gloucester.....	332	37,368	31,905	28,649	17.1	11.4		New York.....	63	2,762,522	2,059,600	1,515,301	34.7	35.3	
Hudson.....	43	537,231	386,048	275,126	39.2	40.3		Niagara.....	522	92,036	74,961	62,491	22.8	19.4	
Hunterdon.....	437	33,569	34,507	35,355	-2.7	-2.4		Oneida.....	1,250	154,157	132,800	122,922	16.1	8.0	
Mercer.....	226	125,657	95,365	79,978	31.8	19.2		Ontario.....	1,250	168,735	146,247	130,247	18.7	15.0	
Middlesex.....	312	114,436	79,762	61,754	43.5	29.2		Orange.....	649	52,286	49,045	48,453	5.4	4.4	
Monmouth.....	479	94,734	82,057	69,128	15.4	18.7		Orleans.....	834	116,001	103,850	97,859	11.7	6.1	
Morris.....	475	74,704	65,156	54,101	14.7	20.4		Oswego.....	966	32,000	30,164	30,803	6.1	-2.1	
Ocean.....	217	21,318	15,747	15,976	8.0	23.6		Otsego.....	1,009	47,216	48,939	50,861	-3.5	-3.8	
Passaic.....	196	215,902	155,202	105,046	39.1	47.7		Putnam.....	233	14,665	13,787	14,849	6.4	-7.2	
Salem.....	343	26,999	25,530	25,151	5.8	1.5		Queens.....	105	284,041	152,999	128,059	85.6	19.5	
Somerset.....	305	38,820	32,948	28,311	17.8	16.4		Rensselaer.....	663	122,276	121,697	124,511	0.5	-2.3	
Sussex.....	529	26,781	24,134	22,259	11.0	8.4		Richmond.....	48	85,969	67,021	51,693	28.3	29.7	
Union.....	103	140,197	99,353	72,467	41.1	37.1		Rockland.....	183	46,873	38,298	35,102	22.4	8.9	
Warren.....	302	43,187	37,781	36,553	14.3	3.4		St. Lawrence.....	2,701	89,005	89,003	87,048	-0.1	4.7	
<b>NEW MEXICO..</b>								<b>Saratoga.....</b>							
Bernalillo.....	1,214	23,606	28,630	20,913	-17.5	23.4		Schenectady.....	296	88,235	46,852	29,797	58.3	57.2	
Chaves.....	9,408	16,850	4,773	253.0			Schoharie.....	642	25,855	26,854	29,164	-11.2	-7.9		
Colfax.....	3,798	16,460	10,150	7,974	62.2	27.3		Schuyler.....	336	14,004	15,811	16,711	-11.4	-5.4	
Curry.....	1,406	11,443	10,187	9,191	26.6	10.8		Seneca.....	336	26,972	28,114	28,227	-4.1	-0.4	
Dona Ana.....	3,821	12,893	10,187	9,191	26.6	10.8		Steuben.....	1,401	83,362	82,822	81,473	0.7	1.7	
Eddy.....	6,923	12,400	3,229	284.0			Suffolk.....	924	96,138	77,582	62,491	23.9	24.1		
Grant.....	7,428	14,813	12,883	9,657	15.0	33.4		Sullivan.....	1,062	33,808	32,306	31,631	4.6	4.1	
Guadalupe.....	3,987	10,927	5,429	101.5			Tioga.....	520	25,624	27,961	29,935	-8.3	-6.6		
Lincoln.....	4,779	7,822	4,953	7,081	57.9	-30.1		Tompkins.....	476	33,647	33,830	32,923	-0.5	2.8	
Luna.....	2,976	3,913	3,913	3,913	0.0	0.0		Ulster.....	1,140	91,709	88,422	87,062	3.8	1.6	
McKinley.....	5,506	12,963	12,963	12,963	0.0	0.0		Warren.....	837	32,223	29,045	27,596	7.6	7.5	
Mora.....	2,571	12,611	10,304	10,618	22.4	-3.0		Washington.....	837	47,778	45,624	45,690	4.7	-0.1	
Otero.....	6,089	7,069	4,791	4,791	47.5		Wayne.....	599	50,179	48,660	49,729	3.1	-2.1		
Quay.....	2,905	14,912	14,912	14,912	0.0	0.0		Westchester.....	458	283,055	184,257	146,712	33.6	25.5	
Rio Arriba.....	5,871	16,624	13,777	11,534	20.7	12.3		Wilmington.....	601	31,880	30,413	31,193	4.8	-2.5	
Roosevelt.....	2,265	12,064	12,064	12,064	0.0	0.0		Yates.....	343	18,642	20,318	21,001	-8.2	-3.3	
San Juan.....	5,476	8,504	4,828	1,800	76.1	63.0		<b>N. CAROLINA..</b>							
San Miguel.....	4,798	22,950	22,053	24,304	-4.6	-8.9		Alamance.....	492	28,712	25,665	18,271	11.9	40.5	
Sandoval.....	5,871	14,770	14,658	13,502	0.8	8.1		Alexander.....	289	21,592	17,559	6,323	-0.2	18.9	
Santa Fe.....	1,973	3,536	3,158	3,630	12.0	-13.0		Alleghany.....	524	7,745	7,759	6,523	-0.2	4.9	
Sierra.....	3,118	14,761	12,195	9,595	21.0	27.1		Anson.....	559	25,465	21,570	20,027	16.4	9.2	
Socorro.....	15,070	14,701	12,195	9,595	21.0	27.1		Ashe.....	427	19,074	13,551	15,028	-2.6	2.3	
Taos.....	2,252	12,008	10,889	9,868	10.3	10.3		Beaufort.....	840	30,877	26,404	21,072	16.9	25.3	
Torrance.....	3,359	10,119	9,428	9,428	7.9	0.0		Bertie.....	703	23,039	20,538	19,176	12.2	7.1	
Union.....	5,370	14,404	4,528	131.9			Bladen.....	1,004	18,006	17,677	16,763	1.9	5.5		
Valencia.....	5,359	13,320	13,895	13,876	-4.1	0.1		Brunswick.....	790	19,432	12,657	10,900	14.6	16.1	
								Buncombe.....	639	49,798	44,288	35,266	12.4	25.6	

1 For changes in boundaries, etc., of counties, see page 33.

2 See heading to table, page 32.

3 State total includes population (6,689) of Indian reservations specially enumerated in 1890, not distributed by counties.

4 State total includes population (5,321) of Indian reservations specially enumerated in 1890, not distributed by counties.

5 State total includes population (2,045) of Indian reservations specially enumerated in 1890 not credited to any county.

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.		COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.	
		1910	1900	1890	1900-1910	1890-1900			1910	1900	1890	1900-1910	1890-1900
N. CAROLINA—													
Con.													
Burke.....	534	21,408	17,699	14,639	21.0	18.5	Scotland.....	349	15,363	12,553	.....	22.4	.....
Cabarrus.....	330	26,240	22,456	18,142	16.9	23.8	Stanly.....	416	19,909	15,220	12,136	36.8	25.4
Caldwell.....	512	20,579	15,694	12,298	31.1	27.6	Stokes.....	480	20,151	19,806	17,199	1.4	15.6
Camden.....	220	5,640	5,474	5,607	3.0	—3.4	Surry.....	520	29,705	25,515	19,281	16.4	32.3
Carteret.....	573	13,776	11,811	10,825	16.6	9.1	Swain.....	553	10,403	8,401	6,577	23.8	27.7
Caswell.....	462	14,558	15,028	16,025	—1.1	—6.2	Transylvania.....	379	7,191	6,620	5,881	8.6	12.6
Catawba.....	408	27,918	22,133	18,689	26.1	18.4	Tyrrell.....	360	5,219	4,980	4,225	4.8	17.9
Chatham.....	696	22,635	23,912	25,413	—5.3	—5.9	Union.....	565	33,277	27,156	21,259	22.5	27.7
Cherokee.....	454	14,136	11,806	9,976	19.2	18.9	Vance.....	279	19,425	16,684	17,581	16.4	—5.1
Chowan.....	165	11,303	10,258	9,167	10.2	11.9	Wake.....	845	63,229	54,626	49,307	15.7	11.0
Clay.....	220	3,909	4,532	4,197	—13.7	8.0	Warren.....	425	20,266	19,151	19,360	5.8	—1.1
Cleveland.....	488	29,494	25,078	20,394	17.6	23.0	Washington.....	327	11,062	10,608	10,200	4.3	4.0
Columbus.....	933	28,020	21,274	17,856	31.7	19.1	Watauga.....	384	13,556	13,417	10,611	1.0	26.4
Craven.....	640	25,594	24,160	20,533	5.9	17.7	Wayne.....	615	35,698	31,356	26,100	13.8	20.1
Cumberland.....	1,013	35,284	29,249	27,321	20.6	7.1	Wilkes.....	735	30,282	26,872	22,675	12.7	18.5
Currituck.....	292	7,693	6,529	6,747	17.8	—3.2	Wilson.....	384	28,269	23,596	18,644	19.8	26.6
Dare.....	577	4,841	4,757	3,768	1.8	26.2	Yadkin.....	324	15,428	14,683	13,790	9.6	2.1
Davidson.....	569	29,404	23,403	21,762	25.6	7.8	Yancey.....	238	12,072	11,464	9,490	5.3	20.8
Davie.....	258	13,394	12,115	11,621	10.6	4.3	N. DAKOTA.						
Duplin.....	783	25,442	22,405	18,600	13.6	19.9		70,183	577,056	319,146	190,983	80.8	67.1
Durham.....	291	35,276	26,233	18,641	34.5	45.4	Adams.....	997	15,407	.....	.....	.....	.....
Edgecombe.....	509	32,010	26,591	24,113	20.4	10.3	Barnes.....	1,510	58,066	13,159	7,045	37.2	80.8
Forsyth.....	376	47,311	35,261	28,434	34.2	24.0	Bates.....	1,310	32,464	12,364	2,464	7.0	116.7
Franklin.....	408	24,692	25,116	21,090	—1.7	19.1	Billings.....	3,404	10,186	975	170	944.7	473.5
Gaston.....	371	37,063	27,903	17,764	32.8	57.1	Boottineau.....	1,651	17,295	7,532	2,893	129.6	160.4
Gates.....	339	10,455	10,413	10,252	0.4	1.6	Bowman.....	1,164	4,668	.....	6	.....	.....
Graham.....	298	4,749	4,343	3,313	9.3	31.1	Burke.....	1,113	9,064	.....	.....	.....	.....
Granville.....	503	25,102	23,263	24,484	7.9	—5.0	Burlingh.....	1,651	13,087	6,081	4,247	115.2	43.2
Greene.....	252	13,083	12,038	10,039	8.7	19.9	Cass.....	1,733	33,935	28,625	19,613	18.6	45.9
Guilford.....	696	40,497	39,074	28,052	54.8	39.3	Cavalier.....	1,494	15,659	12,580	6,571	54.9	94.4
Halifax.....	671	37,646	30,793	28,908	22.3	6.5	Dickey.....	1,142	9,839	6,061	5,473	62.3	8.8
Harnett.....	395	22,174	15,888	13,700	38.7	16.7	Divide.....	1,270	6,015	.....	.....	.....	.....
Haywood.....	546	21,020	16,222	13,346	22.6	21.5	Dunn.....	1,302	5,302	.....	.....	.....	.....
Henderson.....	358	16,262	14,104	12,559	15.3	12.0	Eddy.....	651	4,800	3,330	1,377	44.1	141.8
Hertford.....	341	15,436	14,294	13,851	8.0	3.2	Emmons.....	1,503	9,796	4,349	1,971	125.2	120.6
Hyde.....	617	8,840	9,278	8,903	—4.7	4.2	Foster.....	644	5,313	3,770	1,210	40.9	211.6
Iredell.....	588	34,315	29,064	25,462	18.1	14.1	Grand Forks.....	1,433	27,888	24,459	18,357	14.0	63.2
Jackson.....	494	12,998	11,833	9,512	9.7	24.6	Griggs.....	717	6,274	4,744	2,817	32.3	68.4
Johnston.....	494	41,401	32,250	27,239	28.4	18.4	Hettinger.....	1,132	6,557	.....	.....	.....	.....
Jones.....	417	8,721	8,226	7,403	6.0	11.1	Kidder.....	1,386	5,962	1,754	1,211	239.9	44.8
Lee.....	261	11,376	.....	.....	.....	.....	Lamoure.....	1,147	10,724	6,048	3,187	77.3	89.8
Lenoir.....	397	22,709	18,639	14,879	22.2	25.3	Logan.....	997	6,168	1,625	597	279.6	172.2
Lincoln.....	299	17,132	15,498	12,586	10.5	23.1	McHenry.....	1,588	17,027	5,253	1,586	235.6	231.6
McDowell.....	443	13,538	12,567	10,939	7.7	14.9	McIntosh.....	1,251	9,638	4,818	3,298	138.8	48.3
Macon.....	513	12,191	12,104	10,102	0.7	19.8	McKenzie.....	2,847	5,720	.....	3	.....	.....
Madison.....	436	20,132	20,644	17,805	—2.5	15.9	McLean.....	2,305	14,496	4,791	860	202.6	2341.6
Martin.....	438	17,797	15,383	15,221	15.7	1.1	McRae.....	1,410	2,747	1,778	428	167.0	2300.1
Mecklenburg.....	597	67,031	55,208	42,673	21.3	29.5	Morton.....	4,742	25,289	16,277	5,239	146.1	354.0
Mitchell.....	371	17,245	15,221	12,867	13.3	18.8	Mountrail.....	1,914	8,491	.....	.....	.....	.....
Montgomery.....	498	14,967	14,197	11,239	5.4	26.3	Nelson.....	981	10,140	7,316	4,283	38.6	70.4
Moore.....	639	17,010	23,622	20,479	—28.0	15.3	Oliver.....	720	3,577	990	464	261.3	113.4
Nash.....	586	33,727	25,478	20,707	32.4	23.0	Pembina.....	1,117	14,749	17,809	14,334	—17.5	24.7
New Hanover.....	216	32,037	25,785	24,026	24.2	7.3	Pierce.....	1,665	9,740	4,765	905	104.4	426.5
Northampton.....	504	22,323	21,130	21,242	5.5	—0.4	Ransom.....	15,199	9,198	4,418	65.2	108.2	.....
Onslow.....	743	14,125	11,940	10,303	18.3	15.9	Ransom.....	860	20,345	6,919	5,393	49.5	28.3
Orange.....	290	15,064	14,690	14,948	2.5	—1.7	Renville.....	.....	7,840	.....	.....	.....	.....
Pamlico.....	350	9,966	8,045	7,146	23.9	12.6	Rice.....	19,436	4,437	17,387	16,761	13.1	61.7
Pasquotank.....	223	16,693	13,660	10,748	22.2	27.1	Riethel.....	918	9,358	7,995	2,427	19.5	130.8
Pender.....	815	15,471	13,381	12,514	15.6	6.9	Sargent.....	855	9,202	6,039	5,076	52.4	19.0
Perquimans.....	252	11,054	10,091	9,293	9.5	8.6	Sheridan.....	996	8,103	.....	.....	.....	.....
Person.....	391	17,356	16,685	15,151	4.0	10.1	Stark.....	1,356	12,504	7,621	2,304	64.1	230.8
Pitt.....	627	36,310	30,889	25,519	17.6	21.0	Steele.....	717	7,616	5,888	3,777	29.3	55.9
Folk.....	551	7,540	7,094	5,902	9.1	18.7	Stutsman.....	2,282	18,189	9,143	5,266	98.9	73.6
Randolph.....	803	29,491	28,232	25,195	4.5	12.1	Towner.....	1,647	8,963	4,450	1,450	88.7	247.6
Richmond.....	139	19,673	15,855	23,948	24.1	—33.8	Trail.....	865	12,585	13,107	10,217	—4.3	28.3
Robeson.....	1,051	51,945	40,371	31,483	28.7	28.2	Walsh.....	1,282	19,491	20,288	16,587	—3.9	22.3
Rockingham.....	579	36,442	33,163	25,363	9.9	30.8	Ward.....	1,054	25,281	1,684	1,684	.....	373.3
Rowan.....	449	37,521	31,066	24,123	26.8	28.8	Williams.....	1,233	13,814	3,310	1,212	42.2	585.6
Rutherford.....	584	28,385	25,101	18,770	13.1	33.7	Williams.....	1,238	14,234	1,530	.....	.....	.....
Samson.....	221	29,982	26,390	25,096	13.7	5.1							



## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.	COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.		COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.	
			1910	1900	1890	1900-1910	1890-1900			1910	1900	1890	1900-1910	1890-1900
	OHIO.....	40,740	4,767,121	4,187,545	3,672,329	14.7	13.2	OHIO—Con.						
	Adams.....	546	24,755	26,328	26,093	-6.0	0.9	Licking.....	669	55,590	47,070	43,279	18.1	8.8
	Allen.....	406	56,580	40,644	17.9	18.0	Logan.....	451	30,084	30,420	27,348	-1.1	11.1	
	Ashland.....	421	22,975	21,184	22,223	8.5	-4.7	Lorain.....	497	76,037	51,857	40,295	38.6	36.1
	Ashtabula.....	723	59,547	51,448	43,655	15.7	17.9	Lucas.....	342	192,738	153,559	102,296	25.5	50.1
	Athens.....	457	47,798	38,730	35,194	23.4	10.0	Madison.....	497	19,902	20,590	20,067	-3.3	2.7
	Auglaize.....	397	31,246	31,192	28,100	0.2	11.0	Mahoning.....	427	116,151	70,134	55,979	65.6	25.3
	Belmont.....	539	70,856	60,875	57,413	26.3	6.0	Marion.....	409	33,971	24,678	24,727	18.5	16.0
	Brown.....	431	24,832	28,227	29,809	-12.1	-5.6	Medina.....	435	23,598	21,084	21,742	7.5	1.0
	Butler.....	452	70,271	56,870	48,597	23.6	17.0	Meigs.....	412	25,594	28,620	29,413	-10.6	-4.0
	Carroll.....	387	15,761	16,511	17,566	-6.2	-4.3	Mercer.....	450	27,536	28,021	27,220	-1.7	2.9
	Champaign.....	421	26,351	26,642	26,980	-1.1	-1.3	Miami.....	408	45,047	43,105	39,754	4.5	8.4
	Clark.....	407	66,435	58,939	52,277	12.7	12.7	Monroe.....	448	24,244	27,031	25,175	-10.3	7.4
	Clermont.....	465	29,551	31,610	33,553	-6.5	-5.8	Montgomery.....	455	163,763	130,136	100,852	23.8	29.0
	Clinton.....	411	23,680	24,202	24,240	-2.2	-0.2	Morgan.....	402	16,097	17,905	19,143	-10.1	-6.5
	Columbiana.....	534	76,619	68,590	59,629	11.7	16.2	Morrow.....	403	16,815	17,879	18,130	-6.0	-1.3
	Coshocton.....	558	30,121	29,337	26,703	2.7	9.9	Muskingum.....	664	57,488	53,185	51,210	8.1	3.9
	Crawford.....	409	34,026	33,915	31,927	0.4	6.2	Noble.....	399	18,601	19,466	20,753	-4.4	-6.2
	Cuyahoga.....	463	637,425	459,120	309,970	45.2	41.7	Ottawa.....	270	22,360	22,213	21,974	0.7	1.1
	Darke.....	586	42,933	42,532	42,961	0.9	-1.0	Paulding.....	413	23,730	27,528	25,932	-17.4	6.2
	Daviess.....	405	24,498	26,387	25,769	-7.2	2.4	Perry.....	399	35,396	31,841	31,151	11.2	2.2
	Delaware.....	445	27,182	26,401	27,189	3.0	-2.9	Pickaway.....	490	26,158	27,016	26,959	-3.2	0.2
	Erie.....	256	38,327	37,650	35,462	1.8	6.2	Pike.....	428	15,723	18,172	17,482	-13.5	3.9
	Fairfield.....	495	39,201	34,259	33,939	14.4	0.9	Portage.....	521	30,307	29,246	27,868	3.6	4.9
	Fayette.....	413	21,744	21,725	22,369	0.1	-2.6	Proble.....	416	23,834	23,713	23,421	0.5	1.2
	Franklin.....	517	221,567	164,460	124,087	34.7	32.5	Putnam.....	452	29,972	32,525	30,188	-7.8	7.7
	Fulton.....	405	23,914	22,901	22,023	4.9	3.5	Richland.....	503	47,667	44,289	38,072	7.6	16.3
	Gallia.....	449	25,745	27,918	27,005	-7.8	3.4	Ross.....	668	40,069	40,940	39,454	-2.1	3.8
	Geauga.....	416	14,673	14,744	15,489	-0.5	9.3	Sandusky.....	413	35,171	34,311	30,617	2.5	12.1
	Greene.....	625	19,733	31,013	29,830	-5.9	6.0	Scioto.....	623	48,463	40,981	35,377	18.3	15.8
	Guernsey.....	518	42,716	34,425	28,645	24.1	20.2	Seneca.....	550	42,421	41,163	40,869	3.1	0.7
	Hamilton.....	407	460,732	409,479	374,573	12.5	9.3	Shelby.....	413	24,663	24,625	24,707	0.2	-0.3
	Hancock.....	535	37,860	41,993	42,563	-9.8	-1.3	Stark.....	506	122,987	94,747	84,170	29.8	12.6
	Hardin.....	473	30,407	31,187	28,930	-2.5	7.8	Summit.....	408	108,253	71,715	54,099	59.9	32.6
	Harrison.....	401	19,076	20,486	20,530	-6.9	-1.7	Trumbull.....	633	52,766	46,591	42,373	13.3	10.0
	Henry.....	414	25,119	27,282	25,080	-7.9	8.8	Tuscarawas.....	555	57,035	50,751	46,618	6.1	15.3
	Highland.....	549	28,711	30,952	29,048	-7.3	6.7	Union.....	446	21,871	22,342	22,860	-2.1	-2.3
	Hocking.....	411	23,650	24,398	22,658	-3.1	7.7	Van Wert.....	406	29,119	30,394	29,671	-4.2	2.4
	Holmes.....	418	17,304	15,081	21,130	-2.9	34.8	Washington.....	412	13,096	15,330	16,045	-14.6	-4.5
	Huron.....	494	34,206	32,330	31,949	5.8	1.2	Warren.....	413	24,497	25,584	25,498	-4.2	0.5
	Jackson.....	404	34,791	34,438	28,408	-10.1	20.6	Washington.....	630	45,422	48,245	42,380	-5.9	13.8
	Jefferson.....	407	65,423	44,357	39,415	47.5	12.5	Wayne.....	557	38,058	37,870	39,005	0.5	-2.9
	Knox.....	513	30,181	27,768	27,600	8.7	0.6	Williams.....	411	25,198	24,953	24,897	1.0	0.2
	Lake.....	241	22,927	21,680	18,235	5.8	18.9	Wood.....	612	46,390	51,555	44,392	-10.1	16.1
	Lawrence.....	443	39,488	39,534	39,550	-0.1	-0.1	Wyandot.....	406	20,760	21,125	21,722	-1.7	-2.7

COUNTY.	Land area in square miles: 1910	POPULATION.				PER CENT OF INCREASE.		COUNTY.	Land area in square miles: 1910	POPULATION.				PER CENT OF INCREASE.	
		1910	1907	1900	1890	1907-1910	1900-1910			1910	1907	1900	1890	1907-1910	1900-1910
OKLAHOMA.	69,414	1,657,155	1,414,177	790,391	258,657	17.2	109.7	OKLAHOMA—Con.							
Adair <sup>1</sup>	584	10,535	9,115			15.6		Grant <sup>2</sup>	994	18,760	17,638	17,273		6.4	8.6
Alfalfa <sup>1</sup>	867	18,138	16,070			12.9		Greer <sup>2</sup>	644	16,449	23,624	17,922	5,338	-30.4	-8.2
Atoka <sup>1</sup>	997	13,808	12,113			14.0		Harmon <sup>2</sup>	548	11,328					
Beaver <sup>1</sup>	1,812	13,631	13,364	5,051	2,674	3.2	46.8	Harper <sup>2</sup>	818	8,189	14,093				
Beckham <sup>1</sup>	917	19,699	17,758			10.9		Haskell <sup>2</sup>	615	18,875	16,865			11.9	
Blaine <sup>1</sup>	931	17,960	17,227	10,658		4.3	68.5	Hughes <sup>2</sup>	855	24,040	19,945			20.5	
Bryan <sup>1</sup>	928	29,854	27,865			7.1		Jackson <sup>2</sup>	778	23,737	17,087			38.9	
Caddo <sup>1</sup>	1,377	35,685	30,241			18.0		Jefferson <sup>2</sup>	767	17,430	13,439			29.7	
Canadian <sup>1</sup>	891	29,501	29,110	15,981	7,158	16.9	47.1	Johnson <sup>2</sup>	658	16,734	18,672			-10.4	
Carter <sup>1</sup>	831	25,358	26,402			-4.0		Kay <sup>2</sup>	934	26,969	24,752	22,530		9.1	18.8
Cherokee <sup>1</sup>	761	16,778	14,274			17.5		Kingfisher	890	18,825	18,010	18,501	8,332	4.5	1.8
Chectaw <sup>1</sup>	790	21,862	17,340			26.1		Kiowa <sup>2</sup>	1,170	27,526	22,247			23.7	
Cimarron <sup>1</sup>	1,849	4,553	5,927			-23.2		Latimer <sup>2</sup>	735	11,531	9,340			21.2	
Cleveland	554	18,843	18,460	16,388	6,605	2.1	15.0	LeFlore <sup>2</sup>	1,614	29,127	24,678			18.0	
Coal <sup>1</sup>	525	15,817	15,585			1.5		Lincoln <sup>2</sup>	959	34,779	37,293	27,007		-6.7	28.8
Comanche <sup>1</sup>	1,726	41,489	31,738			30.7		Logan <sup>2</sup>	739	31,740	30,711	26,563	12,770	3.4	19.5
Craig <sup>1</sup>	757	17,404	14,955			16.4		Love <sup>2</sup>	496	10,526	11,134			-8.1	
Creek <sup>1</sup>	962	26,223	18,305			42.8		McClain <sup>2</sup>	502	15,659	12,888			21.5	
Custer <sup>1</sup>	998	23,231	18,478	12,264		25.7	89.4	McCurain <sup>2</sup>	1,897	20,681	13,198			56.7	
Delaware <sup>1</sup>	794	11,469	9,876			16.1		McIntosh <sup>2</sup>	661	20,901	17,975			16.6	
Dewey <sup>1</sup>	980	14,132	13,329	8,819		6.0	60.2	Major <sup>2</sup>	937	15,218	14,307			6.6	
Ellis <sup>1</sup>	1,218	19,375	18,978			10.0		Marshall <sup>2</sup>	419	11,619	13,144			-11.6	
Garfield <sup>1</sup>	1,061	33,050	28,300	22,076		16.8	49.7	Mayes <sup>2</sup>	676	13,596	11,064			22.9	
Garvin <sup>1</sup>	821	26,515	22,787			16.5		Murray <sup>2</sup>	424	12,744	11,948			6.7	
Grady <sup>1</sup>	1,024	30,309	23,420			29.4		Muskogee <sup>2</sup>	814	52,743	37,467			40.8	

<sup>1</sup> State total includes population (13) specially enumerated in 1890, not distributed by counties.<sup>2</sup> Special census of Oklahoma and Indian Territory, taken as of July 1, 1907, by order of the President.<sup>3</sup> State total includes population (13,573) of Kaw, Kiowa, Comanche and Apache, Osage, and Wichita Indian Reservations; population (2,170) of Dry County, part taken to form part of Ellis County in 1907 and part annexed to

Roger Mill's County since 1900; and population (392,060) of Indian Territory, not returned by counties in 1900.

<sup>4</sup> State total includes population (16,641) of that part of Oklahoma, and population (180,182) of Indian Territory, specially enumerated in 1890, not distributed by counties.<sup>5</sup> For changes in boundaries, etc., of counties, see page 33.

## ABSTRACT OF THE CENSUS—POPULATION.

AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.				PER CENT OF INCREASE.				POPULATION.				PER CENT OF INCREASE.	
COUNTY.	Land area in square miles: 1910	1910	1907	1900	1890	1907-1910	1900-1910	COUNTY.	Land area in square miles: 1910	1910	1907	1900	1890	1907-1910	1900-1910
OKLAHOMA—															
Con.								Con.							
Noble <sup>1</sup> .....	734	14,945	14,198	14,015		5.3	6.6	Roger Mills <sup>1</sup> .....	1,135	12,861	13,239	6,190		-2.9	167.8
Nowata <sup>1</sup> .....	586	14,223	10,453			30.1		Rogers <sup>1</sup> .....	730	17,736	15,485			14.5	
Okfuskee <sup>1</sup> .....	623	19,959	15,595			28.2		Seminole <sup>1</sup> .....	633	19,964	14,687			35.9	
Oklahoma <sup>1</sup> .....	717	85,232	55,489	25,915	11,742	52.6	228.9	Sequoyah <sup>1</sup> .....	693	25,005	22,499			11.1	
Okmulgee <sup>1</sup> .....	679	21,115	14,362			47.0		Stephens <sup>1</sup> .....	897	22,252	20,148			10.4	
Osage <sup>1</sup> .....	2,277	20,101	15,332			31.1		Texas <sup>1</sup> .....	2,065	14,249	16,448			-13.4	
Ottawa <sup>1</sup> .....	477	15,713	12,827			22.5		Tillman <sup>1</sup> .....	733	18,650	12,869			44.9	
Pawnee <sup>1</sup> .....	584	17,332	17,112	12,306		1.3	40.2	Tulsa <sup>1</sup> .....	565	34,965	21,693			61.3	
Payne <sup>1</sup> .....	678	23,755	22,622	20,909	7,215	7.8	13.5	Wagoner <sup>1</sup> .....	545	22,086	19,529			13.1	
Pittsburg <sup>1</sup> .....	1,370	47,650	37,657			26.5		Washington <sup>1</sup> .....	425	17,484	12,813			36.5	
Pontotoc <sup>1</sup> .....	728	24,531	23,637			5.5		Washita <sup>1</sup> .....	1,006	25,034	22,007	15,061		13.8	66.9
Pottawatomie <sup>1</sup> .....	793	45,595	43,272	26,412		0.7	65.1	Woods <sup>1</sup> .....	1,255	17,567	15,517	34,975		13.2	-49.8
Pushmataha <sup>1</sup> .....	1,430	10,118	8,295			22.0		Woodward <sup>1</sup> .....	1,233	16,562	14,595	7,469		13.7	122.1

COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.		COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.	
		1910	1900	1890	1900-1910	1890-1900			1910	1900	1890	1900-1910	1890-1900
OREGON													
Baker <sup>1</sup>	3,060	18,076	15,597	6,764	15.9	130.6	Clarion	601	36,638	34,283	36,802	6.9	-6.8
Benton <sup>1</sup>	688	10,663	6,706	8,650	59.0	-22.5	Clearfield	1,142	93,708	80,614	69,565	16.3	15.9
Clackamas <sup>1</sup>	1,864	29,931	19,658	15,233	52.3	29.0	Columbia	479	48,467	39,896	36,832	21.5	8.3
Clatsop <sup>1</sup>	821	16,106	12,765	10,016	26.2	27.4	Crawford	1,038	61,565	63,643	65,324	-3.3	-2.6
Columbia <sup>1</sup>	662	10,580	6,237	5,191	69.6	20.2	Cumberland	528	54,479	50,344	47,271	8.2	6.5
Coos <sup>1</sup>	1,628	17,959	10,324	8,874	74.0	16.3	Dauphin	521	136,152	114,445	96,977	19.0	18.0
Crook <sup>1</sup>	7,778	9,315	3,964	3,244	135.0	9.1	Delaware	185	117,966	94,762	74,683	24.4	26.9
Curry <sup>1</sup>	1,498	2,044	1,868	1,769	9.4	9.3	Elk	806	35,871	32,903	22,239	9.0	48.0
Douglas <sup>1</sup>	4,922	19,674	14,565	11,864	35.1	22.8	Erie	781	115,517	98,473	86,074	17.3	14.4
Gilliam <sup>1</sup>	1,201	3,701	3,201	3,600	15.6	-11.1	Fayette	795	167,449	110,412	80,006	51.7	38.0
Grant <sup>1</sup>	4,520	5,607	5,948	5,080	-5.7	17.1	Forest	423	9,435	11,039	8,482	-14.5	30.1
Harney <sup>1</sup>	9,933	4,059	2,508	2,559	56.2	1.5	Franklin	751	59,775	54,902	51,433	8.9	6.7
Hood River <sup>1</sup>	543	8,016	.....	.....	.....	.....	Greene	574	28,882	28,281	28,935	2.1	-2.3
Jackson <sup>1</sup>	2,836	25,756	13,668	11,455	88.0	19.6	Huntingdon	918	38,304	34,650	35,751	10.5	-3.1
Josephine <sup>1</sup>	1,751	9,567	7,517	4,878	27.3	54.1	Indiana	829	60,210	42,556	42,175	55.6	0.9
Klamath <sup>1</sup>	5,999	8,554	3,970	2,444	115.5	116.0	Jefferson	665	63,690	59,113	44,005	6.7	34.3
Lake <sup>1</sup>	7,920	4,658	2,847	2,604	63.6	9.3	Juniata	392	15,013	16,054	16,055	-6.5	-3.6
Lane <sup>1</sup>	4,612	33,783	19,094	15,198	72.3	29.0	Lackawanna	451	259,570	193,831	142,088	33.9	36.4
Lincoln <sup>1</sup>	1,008	5,687	3,575	56.3	.....	.....	Lancaster	941	167,029	159,241	149,095	4.9	6.8
Linn <sup>1</sup>	2,243	22,662	18,693	16,265	21.8	14.4	Lawrence	360	70,032	57,042	37,517	22.8	52.0
Malheur <sup>1</sup>	9,883	8,601	4,203	2,601	104.6	61.6	Lebanon	360	59,565	53,827	48,131	10.7	11.8
Marion <sup>1</sup>	1,194	39,780	27,713	22,934	43.5	20.8	Lehigh	344	118,832	93,893	76,631	26.6	22.5
Morrow <sup>1</sup>	2,025	4,357	4,151	4,205	5.0	-1.3	Luzerne	892	348,186	257,121	201,203	33.5	27.8
Multnomah <sup>1</sup>	641	226,261	103,167	74,884	119.3	37.8	Lycoming	1,230	80,813	75,663	70,579	6.8	7.2
Polk <sup>1</sup>	709	13,469	9,923	7,858	35.7	24.3	McKean	987	47,898	51,343	46,863	-6.8	9.6
Sherman <sup>1</sup>	896	4,242	3,477	1,792	32.0	94.0	Meyer	700	57,699	57,387	55,744	35.4	2.9
Tillamook <sup>1</sup>	1,125	6,266	4,471	2,942	40.1	52.5	Millin	298	28,785	23,160	19,996	20.0	15.8
Umatilla <sup>1</sup>	3,173	20,399	18,049	15,381	12.5	13.4	Monroe	623	22,941	21,161	20,111	8.4	5.2
Union <sup>1</sup>	2,087	16,191	16,070	12,644	0.8	23.4	Montgomery	484	169,590	138,995	123,290	22.0	12.7
Wallowa <sup>1</sup>	3,145	8,364	5,538	3,661	51.0	51.3	Montour	130	14,868	15,526	15,645	-1.2	-0.8
Wasco <sup>1</sup>	2,343	16,336	13,199	9,183	23.8	40.7	Northampton	322	127,667	99,687	84,220	28.1	18.4
Washington <sup>1</sup>	731	21,522	14,467	11,972	48.8	20.8	Northumberland	454	111,420	90,911	74,098	22.6	21.7
Wheeler <sup>1</sup>	1,704	2,484	2,143	.....	1.7	.....	Perry	564	24,136	26,263	26,276	-8.1	(-)
Yamhill <sup>1</sup>	714	18,285	13,420	10,662	36.3	23.2	Philadelphia	133	1,549,008	1,293,667	1,046,964	19.7	23.6
PENNSYLVANIA													
Adams <sup>1</sup>	528	34,319	34,496	33,486	-0.5	3.0	Pike	544	8,633	8,766	9,412	-8.4	-6.9
Allegheny <sup>1</sup>	725	1,018,463	775,058	551,959	31.4	40.4	Potter	1,071	29,729	30,621	22,778	-2.9	34.4
Armstrong <sup>1</sup>	653	67,680	62,551	46,747	29.2	12.4	Schuylkill	777	207,894	172,927	154,163	20.2	12.2
Beaver <sup>1</sup>	429	78,253	66,432	50,077	38.8	12.7	Snyder	311	16,800	17,304	17,651	-2.9	-2.0
Bedford <sup>1</sup>	1,026	38,879	39,468	38,644	-1.5	2.1	Somerset	1,034	67,717	49,461	37,317	36.9	32.5
Berks <sup>1</sup>	865	183,222	159,615	137,327	14.8	16.2	Sullivan	824	11,293	12,134	11,620	-6.9	4.4
Blair <sup>1</sup>	514	168,838	85,099	70,864	27.0	20.1	Susquehanna	458	37,746	40,043	40,093	-5.7	-0.1
Bradford <sup>1</sup>	1,145	54,526	59,403	59,233	-8.2	0.3	Tioga	1,142	42,829	49,086	52,313	-12.7	-6.2
Bucks <sup>1</sup>	608	76,530	71,190	70,615	7.5	0.8	Union	305	16,249	17,592	17,820	-7.6	-1.3
Butler <sup>1</sup>	790	72,689	56,962	55,359	27.6	2.9	Venango	661	56,359	49,648	46,640	13.5	0.4
Cambria <sup>1</sup>	717	106,131	104,837	66,375	58.5	57.9	Warren	902	39,573	38,946	37,585	1.6	3.4
Cameron <sup>1</sup>	392	7,644	7,048	7,238	8.5	-2.6	Washington	862	143,680	92,181	71,155	53.9	29.5
Carbon <sup>1</sup>	406	52,846	44,510	38,624	18.7	15.2	Wayne	739	29,236	30,171	31,010	-3.1	-2.7
Center <sup>1</sup>	1,146	43,434	42,804	43,369	1.2	-0.9	Westmoreland	1,039	231,304	160,175	112,819	44.4	42.0
Chester <sup>1</sup>	777	100,213	95,695	89,377	14.1	7.1	Wyoming	397	15,599	17,152	15,891	-8.6	7.9
							York	903	136,405	116,413	99,489	17.2	17.0

<sup>1</sup> For changes in boundaries, etc., of counties, see page 53.<sup>2</sup> State total includes population (3,937) of Indian reservations specially enumerated in 1890, not distributed by counties.<sup>3</sup> See headnote to table, page 32.<sup>4</sup> State total includes population (39) of Indian reservations specially enumerated in 1890, not distributed by counties.<sup>5</sup> A decrease of less than one-tenth of 1 per cent.

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.				PER CENT OF INCREASE.				POPULATION.		PER CENT OF INCREASE.		
COUNTY.	Land area in square miles: 1910	1910	1900	1890	1910-1900	1900-1890		COUNTY.	Land area in square miles: 1910	1910	1900	1890	1910-1900	1900-1890
RHODE ISLAND.														
	1,067	542,610	428,556	345,506	26.6	24.0		SOUTH DAKOTA						
(Con.)														
Bristol.....	24	17,092	13,144	11,428	33.9	15.0		Douglas.....	435	6,400	5,012	4,600	27.7	9.0
Cent.....	174	36,378	29,976	26,751	24.4	12.0		Edmunds.....	1,158	7,454	4,916	4,399	55.7	11.8
Newport.....	114	39,335	32,599	28,552	20.7	14.2		Fall River.....	1,756	7,763	5,541	4,478	119.2	-20.9
Providence.....	430	424,353	328,683	255,123	29.1	28.8		Faulk.....	1,048	6,716	3,547	4,082	89.3	-12.7
Washington.....	325	24,942	21,154	23,649	3.3	2.1		Grant.....	691	10,303	9,163	6,814	13.2	33.6
S. CAROLINA.														
	30,485	1,515,400	1,340,316	1,151,149	13.1	16.4		Gregory.....	1,032	13,061	2,211	295	490.7	649.5
Abbeville.....	678	34,804	33,400	46,854	4.2	-28.7		Hamlin.....	520	7,475	5,945	4,025	25.7	28.5
Aiken.....	1,100	41,819	39,632	31,822	7.2	22.7		Hand.....	1,426	7,870	6,525	6,346	73.9	-2.9
Anderson.....	788	68,588	55,728	43,696	24.8	27.5		Hanson.....	432	6,237	4,947	4,267	26.1	15.9
Barnes.....	371	18,544	17,296		7.2			Harding.....	2,682	4,228				
Barnwell.....	800	34,209	35,594	44,613	-3.6	-20.4		Hughes.....	759	6,271	3,684	5,044	70.2	-27.0
Beaufort.....	920	30,355	35,495	34,119	-14.5	4.0		Hutchinson.....	817	12,319	11,897	10,469	3.5	13.6
Berkley.....	1,288	35,487	30,454	55,428	-22.9	-45.1		Hyde.....	866	3,307	1,492	1,869	121.6	-19.8
Calhoun.....	681	16,634						Jordan.....	531	5,120	2,798	3,645	83.0	-22.4
Charleston.....	395	88,594	88,006	59,903	0.7	46.9		Kingsbury.....	814	12,560	9,906	8,562	27.3	15.2
Cherokee.....	373	26,179	21,359		22.6			Lake.....	562	10,711	9,137	7,508	17.2	21.7
Chester.....	592	20,425	28,616	26,660	2.8	7.3		Lawrence.....	797	19,634	17,897	11,073	10.0	53.4
Chesterfield.....	837	20,301	20,401	18,468	28.9	10.5		Lincoln.....	374	12,712	12,161	9,143	4.5	33.0
Clarendon.....	717	32,188	28,154	23,233	14.2	21.3		Lyman.....	2,625	10,848	6,232	233	312.2	580.7
Colleton.....	1,333	35,390	33,682	40,250	5.8	17.0		McCook.....	573	9,589	8,689	6,448	10.4	34.8
Darlington.....	655	36,027	32,388	29,134	11.2	11.2		McPherson.....	1,157	6,791	6,327	5,940	7.3	6.5
Dillon.....	471	22,615						Marshall.....	889	8,021	5,942	4,544	35.0	30.8
Dorchester.....	700	17,861						Meade.....	3,491	12,640	4,907	4,469	157.6	5.8
Edgefield.....	792	28,281	25,478	49,259	11.0	-48.3		Mellette.....	1,228	1,700				
Fairfield.....	692	29,442	29,425	28,599	0.1	2.9		Minnehaha.....	815	29,631	23,926	21,879	23.8	9.4
Florence.....	767	35,671	28,474	25,027	25.3	13.8		Moody.....	527	8,695	8,326	5,941	44.1	40.1
Georgetown.....	828	22,270	22,846	20,857	-2.5	9.5		Pennington.....	2,792	12,453	5,010	6,540	122.0	-14.2
Greenville.....	761	68,377	53,490	44,310	27.8	20.7		Perkins.....	804	11,348				
Greenwood.....	508	34,225	28,443		20.8			Potter.....	898	4,466	2,988	2,910	49.5	2.7
Hampton.....	958	25,126	23,738	20,544	5.8	15.5		Roberts.....	1,111	14,897	12,216	1,997	21.9	511.7
Horry.....	1,158	26,995	23,364	19,256	15.5	21.3		Sanborn.....	576	6,607	4,464	4,610	48.0	-3.2
Kershaw.....	673	27,094	24,696	22,361	9.7	10.4		Schmensee.....	836	(*)	(*)	(*)		
Lancaster.....	315	26,630	24,311	20,617	9.6	17.1		Shannon.....	964	(*)	(*)	(*)		
Laurens.....	441	41,550	37,882	31,610	11.1	18.3		Shaw.....	1,311	15,981	9,487	10,581	68.5	-10.3
Lee.....	407	25,318						Stanley.....	1,456	14,975	1,341	1,028	1,016.7	30.4
Lexington.....	833	32,040	27,264	22,181	17.5	22.9		Sterling.....	249	252		96		
Marion.....	529	20,596	35,181	29,976	-41.5	17.4		Sully.....	1,058	2,462	1,715	2,412	43.6	-28.9
Marlboro.....	519	31,189	27,639	23,500	12.8	17.6		Todd.....	1,279	2,164				
Newberry.....	601	34,586	30,182	26,434	14.6	14.2		Tripp.....	1,629	8,323				
Oconee.....	650	27,337	23,634	18,087	15.7	26.5		Turner.....	617	13,840	13,175	10,256	5.0	28.5
Orangeburg.....	1,131	58,893	59,663	49,393	-6.3	20.8		Union.....	432	10,676	11,153	9,130	-4.3	22.2
Pickens.....	529	25,422	19,375	16,389	31.2	18.2		Walworth.....	742	6,488	3,339	2,153	63.0	78.3
Richland.....	611	55,143	45,389	36,821	21.0	23.8		Washbaugh.....	1,146	(*)	(*)	(*)		
Saluda.....	435	20,443	18,966	16,061	10.4			Washington.....	1,157	(*)	(*)	(*)		
Spartanburg.....	765	83,465	65,500	55,385	27.3	18.4		Yankton.....	523	13,135	12,649	10,444	3.8	21.1
Sumter.....	574	38,472	51,237	43,605	-24.9	17.5		Pine Ridge Indian Reservation.....	(*)	6,607	6,827		-3.2	
Union.....	492	29,911	25,501	25,963	17.3	0.5		TENNESSEE.						
Williamsburg.....	1,006	37,626	31,685	27,777	18.8	14.1		41,687	2,184,789	2,020,616	1,767,518	8.1	14.3	
York.....	651	47,718	41,684	38,831	14.5	7.3		(Con.)						
SOUTH DAKOTA.														
Armstrong.....	1,419	647	8	34				Anderson.....	337	17,717	17,634	15,128	0.5	16.6
Aurora.....	719	6,143	4,011	5,045	53.2	-20.5		Bedford.....	514	22,667	23,845	24,739	-4.9	-3.6
Beadle.....	1,230	15,776	8,081	9,586	95.2	-15.7		Benton.....	456	12,452	11,888	11,230	4.7	5.9
Bennett.....	1,291	496						Bledsoe.....	791	6,329	6,626	6,134	-4.5	8.0
Bohannon.....	573	11,061	10,379	9,057	6.6	14.6		Blount.....	571	20,809	19,206	17,889	8.3	9.2
Brookings.....	791	14,178	12,561	10,132	12.9	24.0		Bradley.....	336	16,336	15,759	13,607	3.7	15.8
Brown.....	1,750	25,867	15,286	16,855	69.2	- 9.3		Campbell.....	404	27,387	17,317	13,486	58.2	28.4
Brule.....	827	5,461	6,737	6,737	19.4	-19.8		Cannon.....	308	10,825	12,121	12,197	-10.7	-0.6
Butte.....	479	1,589	1,790	1,790	-11.2	-32.8		Carroll.....	619	23,971	21,250	23,630	-1.2	2.6
Cannon.....	2,289	4,993	2,907	1,037	71.8	180.3		Carter.....	353	19,838	16,688	13,389	18.9	24.6
Campbell.....	774	5,244	4,527	3,510	15.8	29.0		Cheatham.....	314	15,440	19,112	8,845	4.2	14.3
Charles Mix.....	1,134	14,890	8,498	4,178	75.3	103.4		Chester.....	313	9,090	9,896	9,069	-8.1	9.1
Clark.....	974	10,901	6,942	6,728	57.0	3.2		Chickasaw.....	468	23,504	20,696	15,163	13.6	37.0
Clay.....	403	8,711	9,316	7,509	-6.5	24.1		Clay.....	254	9,069	8,421	7,260	7.0	16.0
Codington.....	701	14,662	8,770	7,037	60.7	24.6		Coke.....	427	19,399	19,133	16,523	1.3	15.9
Corson.....	2,526	2,929						Coffee.....	443	15,625	15,574	13,827	0.3	12.6
Custer.....	1,573	4,458	2,728	4,891	65.4	-44.2		Crockett.....	267	16,076	15,867	15,146	1.3	4.8
Davison.....	432	11,625	7,483	5,449	53.4	37.3		Cumberland.....	549	19,955	18,435	15,615	7.1	36.6
Day.....	1,061	14,372	12,254	9,168	17.3	33.7		Dyer.....	360	27,721	23,975	18,878	16.6	16.9
Dewey.....	632	7,768	6,656	4,574	16.7	45.5		Dwight.....	418	24,257	20,701	28,878	1.9	2.8
Dewey.....	1,907	1,145	(*)	(*)	(*)			Fentress.....	486	7,446	6,106	5,226	21.9	16.8

\* For changes in boundaries, etc., of counties, see page 33.

\* State total includes population (9,216) of Cheyenne River and Rosebud Indian Reservations and part of Standing Rock Indian Reservation, not returned by counties in 1900.

\* State total includes population (19,792) specially enumerated in 1890, not distributed by counties; also population (1,351) of Choteau, Ewing, Harding, Martin, Delano, Sooley, Jackson, Ziebach, Nowlin, Pratt, Fresno, and old Todd Counties, annexed to Butte, Meade, Stanley, Lyman, Gregory, and Pennington Counties between 1890 and 1900.

\* Exclusive of population of part in Pine Ridge Indian Reservation, not returned by counties.

\* See headnote to table, page 32.

\* Not returned separately.

\* For 1910 comprises the unorganized counties of Shannon and Washington, and parts of Bennett and Washbaugh, for which the population was not returned separately.

\* Total land area within the limits of Pine Ridge Indian Reservation, 4,374 square miles, comprising Shannon, Washington, and parts of Bennett and Washbaugh Counties, included under the respective counties.

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.				PER CENT OF INCREASE.		Land area in square miles.		POPULATION.			PER CENT OF INCREASE.	
COUNTY.	1910	1900	1890	1910	1900	1900-1910	1890-1900	COUNTY.	1910	1900	1890	1900-1910	1890-1900	
TENNESSEE—Con.														
Franklin.....	575	20,491	20,392	18,929	0.5	7.7		Armstrong.....	903	2,682	1,205	944	122.6	
Gibson.....	633	41,630	39,408	35,859	5.6	9.9		Atascosa.....	1,358	10,004	7,143	6,459	40.1	
Giles.....	628	32,629	33,035	34,957	-1.2	-5.5		Austin.....	1,728	17,099	20,676	17,850	-14.4	
Grainger.....	307	13,888	15,512	13,196	-10.5	17.6		Bailey.....	1,030	312	4		15.8	
Greene.....	613	31,083	30,596	26,614	1.6	15.0		Bandera.....	983	4,921	5,332	3,795	-7.7	
Grundy.....	375	8,322	7,802	6,345	6.7	23.0		Bastrop.....	867	25,344	26,845	20,736	-5.6	
Hamblen.....	158	13,650	12,728	11,418	7.2	11.5		Baylor.....	880	8,411	3,052	2,595	175.6	
Hamilton.....	409	89,267	61,695	53,482	44.7	15.4		Bee.....	856	12,090	7,720	3,720	56.6	
Hancock.....	228	10,778	11,147	10,342	-3.3	7.8		Bell.....	1,083	49,186	45,535	33,377	8.0	
Hartman.....	697	23,011	22,976	21,029	0.2	9.3		Bexar.....	1,263	119,676	69,422	49,266	72.4	
Hardin.....	582	17,521	19,246	17,698	-9.0	8.7		Blanco.....	750	4,311	4,703	4,649	-8.3	
Hawkins.....	482	23,587	24,267	22,246	-2.8	9.1		Borden.....	895	1,386	776	222	78.6	
Haywood.....	508	25,910	25,189	23,558	2.9	6.9		Bosque.....	975	19,013	17,390	14,224	9.3	
Henderson.....	536	17,030	18,117	16,336	-6.0	10.9		Bowie.....	873	34,827	26,676	29,267	30.6	
Henry.....	626	25,434	24,308	21,070	5.1	14.9		Brazoria.....	1,340	13,299	14,861	11,506	-10.5	
Hickman.....	570	16,527	16,367	14,499	1.0	12.9		Brazos.....	597	18,919	18,859	16,650	0.3	
Houston.....	197	6,224	6,476	5,300	-3.9	20.1		Brewster.....	5,935	5,220	2,356	710	121.6	
Humphreys.....	451	13,908	13,398	11,720	3.8	14.3		Briscoe.....	968	2,162	1,253	72.5	21.8	
Jackson.....	301	15,036	15,039	13,325	(*)	12.9		Brown.....	956	22,935	16,019	11,421	43.2	
James.....	105	5,210	5,407	4,903	-3.6	10.3		Burleson.....	684	18,687	18,367	13,001	1.7	
Jefferson.....	312	17,755	18,590	16,478	-4.5	12.8		Burnet.....	974	10,755	10,528	10,747	-2.2	
Johnson.....	294	13,191	10,589	8,858	24.6	19.5		Caldwell.....	511	24,237	21,765	15,769	11.4	
Knox.....	504	94,187	74,302	59,557	26.8	24.8		Calhoun.....	563	3,635	2,395	815	51.8	
Lake.....	122	8,704	7,368	5,304	18.1	38.9		Callahan.....	854	12,973	8,768	5,457	48.0	
Lauderdale.....	456	21,105	21,971	18,756	-3.9	17.1		Cameron.....	2,434	27,158	16,095	14,424	68.7	
Lawrence.....	611	17,569	15,402	12,286	14.1	25.4		Camp.....	207	9,351	9,146	6,624	4.4	
Lewis.....	286	6,033	4,455	2,555	35.4	74.9		Carson.....	893	2,127	469	356	331.1	
Lincoln.....	587	25,908	26,304	27,382	-1.5	-3.9		Cass.....	951	27,587	22,841	22,554	30.8	
Loudon.....	219	13,612	10,838	9,273	25.6	16.9		Castro.....	896	1,850	400	9	362.5	
McMinn.....	432	21,466	19,163	17,890	9.8	7.1		Chambers.....	618	4,234	3,046	2,241	39.0	
McNairy.....	588	16,856	17,760	15,510	-7.9	14.5		Cherokee.....	1,049	29,038	25,154	22,975	15.4	
Macon.....	286	14,559	12,881	10,878	13.0	18.4		Childress.....	733	9,538	2,138	1,175	346.1	
Madison.....	552	39,557	36,333	30,497	8.3	19.1		Clay.....	1,158	17,043	9,231	7,503	84.6	
Marion.....	504	18,830	17,281	15,411	8.9	12.1		Cochran.....	869	15	25		15.8	
Marshall.....	378	16,872	18,763	18,906	-10.1	-0.8		Coke.....	931	6,412	3,430	2,059	86.9	
Maury.....	582	40,456	42,703	38,112	-5.3	12.0		Coleman.....	1,290	22,618	10,077	6,112	124.5	
Meigs.....	199	6,131	7,491	6,930	-18.2	8.1		Collins.....	878	49,616	50,087	36,736	-2.1	
Monroe.....	673	20,716	18,585	15,329	11.5	21.2		Collinsworth.....	898	5,224	1,233	357	323.7	
Montgomery.....	516	33,672	36,017	29,697	-6.5	21.3		Colorado.....	972	18,997	22,203	19,512	-14.9	
Moore.....	141	4,800	5,706	5,975	-15.9	-4.5		Comal.....	559	8,434	7,088	6,398	20.3	
Morgan.....	529	11,458	9,587	7,639	19.5	25.5		Comanche.....	948	27,186	23,009	15,608	18.2	
Ohio.....	552	29,946	28,286	27,273	5.9	3.7		Concho.....	918	6,654	1,427	1,065	366.3	
Overton.....	446	16,854	13,353	12,039	18.7	10.9		Cooke.....	902	26,603	27,994	24,696	-3.2	
Perry.....	167	8,818	8,042	7,780	9.2	13.0		Cooper.....	1,083	21,763	21,708	16,873	9.9	
Pickett.....	162	5,087	5,366	4,736	-5.2	13.3		Cottle.....	1,012	4,396	1,002	240	338.7	
Polk.....	432	14,116	11,357	8,361	24.3	35.8		Crane.....	878	331	51	15	720.1	
Putnam.....	404	20,023	16,890	13,683	18.5	31.4		Crane.....	3,215	1,296	1,501	194	-18.5	
Rhea.....	365	15,410	14,318	12,647	7.6	13.2		Crosby.....	870	1,765	788	346	124.0	
Roane.....	388	22,860	22,738	17,418	0.5	30.5		Dallam.....	1,532	4,001	146	112	2,640.4	
Robertson.....	455	25,466	25,029	20,078	1.7	24.7		Dallas.....	859	135,748	82,726	67,042	64.1	
Rutherford.....	614	33,199	33,543	35,097	-1.0	-4.4		Dawson.....	963	2,320	37	29	49.0	
Scott.....	550	12,947	11,077	9,794	16.9	13.1		De Witt.....	879	23,501	21,311	14,307	10.3	
Sequatchie.....	264	4,302	3,326	3,027	26.3	9.9		De Smith.....	959	9,942	843	179	307.9	
Sevier.....	587	22,266	22,021	18,704	1.2	17.4		Delta.....	1,466	14,566	15,249	9,117	-4.5	
Shelby.....	801	191,439	153,557	112,740	24.7	36.2		Denton.....	952	31,253	28,318	21,289	10.4	
Smith.....	296	18,548	19,026	18,494	-2.5	3.4		Dickens.....	881	3,092	1,131	295	168.6	
Stewart.....	440	14,860	15,224	12,193	-2.4	24.9		Dixie.....	1,360	3,460	1,106	1,049	212.8	
Sullivan.....	436	28,130	24,935	20,879	12.8	19.4		Dodson.....	986	5,284	2,756	1,056	91.7	
Sumner.....	558	25,621	26,072	23,668	-1.7	10.2		Duval.....	1,825	8,964	8,483	7,598	5.7	
Tipton.....	442	29,459	29,273	24,271	0.6	20.6		Eastland.....	925	23,421	17,971	10,373	30.3	
Trousdale.....	106	5,874	6,004	5,850	-2.2	2.6		Ector.....	892	1,178	381	224	209.2	
Unicoi.....	201	7,201	5,851	4,619	23.1	26.7		Edwards.....	2,352	3,768	3,108	1,970	21.2	
Union.....	235	11,414	12,894	11,459	-11.5	12.5		El Paso.....	9,331	52,599	24,886	15,078	111.4	
Van Buren.....	293	2,784	3,126	2,863	-10.9	9.2		Ellis.....	975	53,629	50,059	31,774	7.1	
Warren.....	423	16,534	16,410	14,413	0.8	13.9		Erath.....	1,043	32,095	29,966	21,594	7.1	
Washington.....	749	28,968	22,004	20,354	2.2	11.1		Falls.....	745	35,649	33,342	20,706	6.9	
Wayne.....	749	12,062	12,936	11,471	-6.8	12.8		Fannin.....	938	44,801	51,793	38,709	-13.5	
Weakley.....	530	31,929	32,546	28,955	-1.9	12.4		Fayette.....	868	24,796	36,542	31,481	-16.3	
White.....	450	15,430	14,157	12,348	8.9	14.7		Floyd.....	1,011	4,638	2,020	529	129.6	
Williamson.....	586	24,213	26,429	26,321	-8.4	0.4		Forard.....	612	5,726	1,568		265.2	
Wilson.....	613	25,394	27,078	27,148	-6.2	-0.3		Fort Bend.....	792	18,168	16,538	10,586	9.9	
TEXAS.														
Anderson.....	938	29,650	28,015	20,923	5.8	33.9		Franklin.....	289	9,331	8,674	6,481	7.6	
Andrews.....	1,567	8,877	8,724	6,306	31.3	33.9		Freestone.....	882	20,557	18,010	15,987	8.7	
Angelina.....	240	17,705	13,481	6,936	22.7	-5.9		Frio.....	1,121	8,895	4,200	3,112	111.8	
Aransas.....	240	2,106	1,716	1,824	22.7	-5.9		Garces.....	1,255	55	68		40.2	
Archer.....	872	6,525	2,508	2,101	160.2	19.4		Garza.....	840	44,479	44,116	31,476	6.7	
								Gillespie.....	1,109	9,447	8,229	7,056	14.8	
								Glasscock.....	866	1,143	286	208	299.7	
								Glossop.....	866	1,143	286	208	299.7	
								Glossop.....	866	1,143	286	208	299.7	

\* For changes in boundaries, etc., of counties, see page 53.

† A decrease of less than one-tenth of 1 per cent.

\* State total includes population (4) specially enumerated in 1900, not credited to any county; also population (3,967) of Buehel, Foley, and Escalante Counties, annexed to Brewster and Webb Counties between 1880 and 1900.

# POPULATION OF COUNTIES.

49

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.	COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.		COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.		
			1910	1900	1890	1900-1910	1890-1900			1910	1900	1890	1900-1910	1890-1900	
<b>TEXAS—Con.</b>															
	<b>Goliad.</b>	799	9,909	8,310	5,910	19.2	40.6								
	<b>Gonzales.</b>	1,020	28,655	28,882	18,016	—2.9	60.3		1,030	2,396	1,257	139	90.6	804.3	
	<b>Gray.</b>	849	3,405	480	203	609.4	136.5		1,069	27,406	24,063	15,984	11.1	54.2	
	<b>Grayson.</b>	942	65,996	63,161	53,211	3.7	19.6		1,090	47,070	43,374	26,373	8.5	64.5	
	<b>Gregg.</b>	312	14,140	12,345	9,402	14.6	31.3		880	10,850	7,282	4,650	49.0	56.6	
									880	11,999	2,611	1,573	359.6	66.0	
	<b>Grimes.</b>	812	21,205	26,106	21,312	—18.8	22.5		2,275	1,955	10,439	8,093	110.3	29.0	
	<b>Guadalupe.</b>	703	24,913	21,385	15,217	16.5	40.5		801	2,602	26,399	198	590.0	34.8	
		1,033	7,946	1,480	731	539.4	31.0		1,543	530.4	812	310	132.7	39.3	
	<b>Hall.</b>	901	8,279	1,670	703	385.7	137.6		963	9,528	5,905	4,770	61.4	23.8	
	<b>Hamilton.</b>	833	15,315	13,520	9,313	13.3	45.2		968	19,506	12,291	8,320	58.7	47.7	
	<b>Hansford.</b>	882	935	167	133	459.9	25.6		920	29,424	21,404	14,328	—4.6	49.4	
	<b>Hardenman.</b>	761	11,213	3,634	3,904	208.6	—6.9		875	26,331	25,823	21,682	2.0	19.1	
	<b>Hardin.</b>	862	12,947	5,049	3,956	156.4	27.6		902	1,555	34	7	—12.2	78.0	
	<b>Harris.</b>	1,654	115,093	63,786	37,249	81.4	71.2		4,134	2,071	2,340	1,329	—20.8	39.8	
	<b>Harrison.</b>	872	37,243	31,578	26,721	16.8	19.3		1,217	17,459	14,447	10,332	20.8	39.8	
	<b>Hartley.</b>	1,507	1,298	377	252	244.3	49.6		934	12,424	1,820	849	582.6	114.4	
	<b>Haskell.</b>	923	16,249	2,637	1,065	516.2	58.4		3,812	5,218	3,673	1,098	42.1	116.3	
	<b>Hays.</b>	625	15,518	14,142	11,352	6.7	24.6		287	9,787	6,127	3,906	10.8	52.7	
	<b>Hempfl.</b>	873	3,170	815	519	289.0	57.0		937	3,312	963	187	243.9	415.0	
	<b>Henderson.</b>	946	20,131	19,970	12,285	0.8	62.6		1,071	392					
	<b>Hidalgo.</b>	2,276	13,728	6,837	6,534	100.8	4.6		1,039	28,564	29,893	21,452	—4.4	39.3	
	<b>Hill.</b>	966	46,760	41,355	27,583	13.1	49.9		2,781	4,392	1,847	1,247	137.8	48.1	
	<b>Hockley.</b>	867	137	44					740	2,814	1,641	1,209	71.5	32.4	
	<b>Hood.</b>	405	10,008	9,146	7,614	9.4	20.1		882	950	620	326	53.2	90.2	
	<b>Hopkins.</b>	813	31,038	27,850	20,572	11.0	35.9		872	27,454	31,490	26,506	—12.8	18.8	
	<b>Houston.</b>	1,231	29,564	25,452	19,360	16.2	31.5		149	8,072	8,531	5,972	—5.4	42.8	
	<b>Howard.</b>	891	8,851	2,528	1,210	251.3	108.9		1,083	20,878	5,379	3,193	287.8	68.5	
	<b>Hunt.</b>	883	48,116	47,235	31,885	1.7	48.3		280	26,946	26,099	18,559	3.2	40.6	
	<b>Hutchinson.</b>	879	892	303	58	194.4	1.4		889	8,562	6,394	4,969	34.2	28.7	
	<b>Iron.</b>	998	1,283	848	570	51.3	—2.5		622	11,264	8,434	6,688	33.6	26.1	
	<b>Jack.</b>	962	11,817	10,224	9,740	15.6	5.0		602	9,542	10,277	7,360	—7.2	39.6	
	<b>Jackson.</b>	803	6,711	6,094	3,281	6.2	85.7		676	7,307	10,272	1,312	208.1	80.8	
	<b>Jasper.</b>	978	14,000	7,138	5,592	96.1	27.6		1,116	11,245	7,569	6,641	48.6	14.0	
	<b>Jeff Davis.</b>	2,263	1,678	1,150	1,394	45.9	—17.5		1,387	1,893	515	155	267.6	232.3	
	<b>Jefferson.</b>	920	38,182	14,539	6,837	168.2	143.1		887	10,924	4,138	1,415	162.7	193.9	
	<b>Johnson.</b>	740	34,460	33,819	22,313	1.9	51.6		947	4,201	2,461	2,012	70.7	22.3	
	<b>Jones.</b>	922	24,299	7,053	3,797	244.5	54.5		833	26,423	20,452	14,965	29.2	42.1	
	<b>Karnes.</b>	602	8,942	8,181	3,857	72.1	188.7		935	26,946	26,099	18,559	3.2	40.6	
	<b>Kaufman.</b>	834	35,223	33,376	21,598	5.8	85.8		920	41,736	37,370	28,324	11.7	31.9	
	<b>Kendall.</b>	598	4,517	4,103	3,826	10.1	7.2		184	3,931	3,498	3,419	12.4	2.3	
	<b>Kent.</b>	875	2,655	899	324	195.3	177.5		2,675	13,151	11,469	10,749	14.7	6.7	
	<b>Kerr.</b>	1,197	5,505	4,960	4,462	10.5	11.6		925	7,980	6,466	4,926	23.4	31.3	
	<b>Kimble.</b>	1,391	3,261	2,063	2,243	30.3	11.6		918	1,493	1,127	32.5			
	<b>King.</b>	867	810	490	173	65.3	183.2		852	5,320	2,183	1,024	143.7	113.2	
	<b>Kinney.</b>	1,312	3,491	2,447	3,781	39.0	—55.3		1,521	1,509	1,727	658	—9.1	162.5	
	<b>Knox.</b>	862	9,625	2,322	1,134	314.5	104.8		898	4,012	1,227	100	227.0	1,127.0	
	<b>La Salle.</b>	1,561	4,747	2,303	2,139	106.1	7.7		903	108,572	55,370	41,142	107.3	27.3	
	<b>Lamar.</b>	945	46,344	48,527	37,302	—4.3	39.4		908	26,243	10,496	6,557	150.4	50.9	
	<b>Lamb.</b>	1,022	540	431					2,635	1,430					
	<b>Lampasas.</b>	740	9,532	8,525	7,584	10.5	13.7		870	1,474	48	21			
	<b>Lavaca.</b>	950	26,418	28,121	21,887	—6.1	28.5		879	4,563	1,750	902	160.7	94.0	
	<b>Lee.</b>	562	13,132	14,595	11,952	—10.0	22.1		308	16,422	12,992	8,150	33.6	50.1	
	<b>Leon.</b>	1,101	16,583	18,072	13,841	—8.2	30.6		1,454	17,882	6,804	5,152	102.8	32.1	
	<b>Liberty.</b>	1,160	10,086	8,102	4,230	31.9	91.5		1,004	55,620	47,386	36,322	17.4	30.5	
	<b>Limestone.</b>	974	34,621	32,573	21,678	6.3	50.3		1,076	12,708	10,976	7,648	16.3	43.5	
	<b>Lipscomb.</b>	888	2,634	790	632	233.4	25.0		908	10,230	11,899	10,877	—13.9	9.4	
	<b>Live Oak.</b>	1,116	3,142	2,308	2,055	51.8	10.4		909	16,206	12,635	12,635	22.7	28.1	
	<b>Llano.</b>	971	6,520	7,308	6,772	—10.9	7.6		1,185	501					
	<b>Loving.</b>	873	249	3	3				1,589	11,930	4,647	3,804	141.7	22.2	
	<b>Lubbock.</b>	868	3,624	293	33	1,136.9			3,083	8,613	5,263	2,874	63.7	83.1	
	<b>Lynn.</b>	864	1,713	17	24				831	25,651	25,481	16,225	0.7	57.0	
	<b>McCulloch.</b>	1,073	13,405	3,960	3,217	238.5	23.1		840	14,990	13,678	8,737	9.6	56.6	
	<b>McLennan.</b>	1,049	73,250	59,772	39,204	22.5	52.5		947	16,061	15,813	12,874	1.6	22.8	
	<b>McLennan.</b>	1,301	1,070	1,808	1,808	—1.3	—1.3		519	12,138	14,246	10,888	—14.7	30.8	
	<b>Madison.</b>	405	10,315	10,432	5,512	—1.1	22.6		827	2,389	1,451	7	64.6		
	<b>Marion.</b>	391	10,472	10,754	10,862	—2.6	—1.0		628	25,561	32,931	29,161	—22.4	12.9	
	<b>Martin.</b>	914	1,549	264	366	31.5	25.8		3,219	22,503	21,851	14,843	3.0	47.2	
	<b>Mason.</b>	969	5,683	5,573	5,180	2.0	7.6		1,112	21,123	16,942	7,384	24.7	123.4	
	<b>Matagorda.</b>	1,136	13,594	6,097	3,985	123.0	53.0		895	5,258	636	788	726.7	—18.3	
	<b>Maverick.</b>	1,251	5,151	4,066	3,698	26.7	10.0		604	16,094	5,806	4,731	177.2	20.2	
	<b>Medina.</b>	1,333	13,415	7,783	5,730	72.4	35.8		928	12,000	5,759	7,092	108.4	—18.8	
	<b>Menard.</b>	914	2,707	2,011	1,215	34.6	65.5		1,129	42,228	38,072	25,969	10.9	46.9	
	<b>Milland.</b>	887	3,694	1,741	1,033	99.0	68.5		813	17,066	14,991	10,635	22.2	21.0	
	<b>Mitchell.</b>	939	36,780	39,636	24,773	—6.1	60.1		844	24,442	24,442	18,442	—2.5	12.4	
	<b>Mills.</b>	696	9,694	7,851	5,493	23.5	42.9		863	26,450	27,116	24,134	—2.5	12.4	
	<b>Mitchell.</b>	885	8,956	2,855	2,059	213.7	38.7		657	23,417	21,048	13,932	11.3	51.1	
	<b>Montague.</b>	229	25,123	24,909	1,130	31.5	26		879	1,602	1,602	4			
	<b>Montgomery.</b>	1,017	15,679	17,067	11,765	—1.3	45.1		875	13,657	6,540	5,049	108.8	29.5	
	<b>Moore.</b>	921	561	209	15	168.4	0.9		1,288	3,869	4,700	3,869	—20.0	33.6	
	<b>Morris.</b>	259	10,439	8,220	6,580	27.0	24.9		1,348	1,889	792	1,097	138.5	—27.8	

For changes in boundaries, etc., of counties, see page 53.

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.					PER CENT OF INCREASE.		Land area in square miles: 1910		POPULATION.					PER CENT OF INCREASE.		Land area in square miles: 1910	
COUNTY.		1910	1900	1890	1900-1910	1890-1900	COUNTY.				1910	1900	1890	1900-1910	1890-1900				
<b>UTAH—</b>																			
Beaver.....		4,717	3,643	3,340	30.6	8.2	<b>VIRGINIA—Con.</b>												
Boxelder.....		13,894	10,909	7,642	38.8	31.0	Danville city <sup>1</sup> .....		3	19,020	16,620	10,305	15.1	60.3					
Cache.....		1,164	23,062	18,139	15,509	27.1	Denkenson.....		225	9,199	7,747	5,077	18.7	52.6					
Carbon.....		1,487	8,624	5,004	.....	72.3	Dewiddle.....		518	15,442	15,374	13,515	0.4	13.8					
Davis.....		275	10,191	7,996	6,751	27.5	Elizabeth City.....		54	21,225	19,440	16,168	9.1	20.4					
Emery.....		4,453	6,750	4,657	5,076	44.9	Essex.....		258	9,105	9,701	10,467	—6.1	—3.4					
Garfield.....		5,234	3,460	3,400	2,457	7.6	Fairfax.....		417	20,556	18,580	16,655	10.5	11.6					
Grand.....		3,662	1,595	1,149	541	38.8	Fauquier.....		666	22,526	23,374	22,590	—3.6	3.5					
Iron.....		3,296	3,933	3,546	2,693	11.2	Floyd.....		576	14,092	15,388	14,405	—8.4	6.8					
Juab.....		3,410	10,702	10,082	5,882	6.1	Floyd.....		285	8,323	9,650	9,508	—8.0	—4.8					
Kane.....		4,215	1,632	1,811	1,685	—5.8	Franklin.....		697	20,480	25,953	24,985	2.0	3.9					
Millard.....		6,094	5,078	4,033	7.7	40.8	Frederick.....		434	12,787	13,239	12,684	—3.4	4.4					
Morgan.....		628	2,467	2,045	1,780	20.6	Fredericksburg city.....		369	15,877	5,068	4,528	13.9	11.9					
Plute.....		763	1,734	1,954	2,842	—11.3	Giles.....		223	12,477	12,832	11,653	—2.8	10.1					
Rich.....		1,027	1,883	1,946	1,537	—3.2	Gloucester.....		287	9,237	9,919	9,958	—3.0	—4.4					
Salt Lake.....		756	131,426	77,725	58,457	69.1	Goochland.....		425	19,856	16,833	14,394	17.8	17.1					
San Juan.....		7,761	2,377	1,023	305	132.4	Grayson.....		155	6,937	6,214	5,622	11.6	10.5					
Sanpete.....		1,564	16,704	16,313	13,146	2.4	Greene.....		207	11,890	9,758	8,230	18.6	18.6					
Sevier.....		1,978	9,775	8,451	6,199	15.7	Greensville.....		814	40,044	37,197	34,424	7.7	8.1					
Summit.....		1,862	8,200	9,439	7,733	—13.1	Hanover.....		512	17,200	17,618	17,402	—2.4	1.2					
Tooele.....		6,849	7,924	7,361	3,700	7.6	Henrico.....		266	23,437	30,062	22,006	—22.0	36.6					
Uinta.....		5,235	7,059	6,458	2,767	98.9	Highland.....		444	18,459	19,265	18,208	—4.2	5.8					
Utah.....		2,084	37,942	32,456	23,708	16.9	Hingham.....		439	11,623	10,783	9,690	7.7	18.7					
Wasatch.....		4,354	8,920	4,736	3,595	88.3	Isle of Wight.....		314	14,929	13,102	11,313	13.9	15.8					
Washington.....		2,465	5,123	4,612	4,009	11.1	James City.....		164	6,338	5,732	5,643	10.6	1.6					
Wayne.....		2,475	1,749	1,907	—8.3	15.0	King and Queen.....		320	9,576	9,265	9,699	3.4	—4.2					
Weber.....		541	35,179	25,239	22,723	30.4	King George.....		180	6,378	6,918	6,641	—7.8	4.2					
<b>VERMONT—</b>		<b>9,124</b>	<b>355,956</b>	<b>343,641</b>	<b>332,422</b>	<b>3.6</b>	King William.....		263	8,547	8,380	9,605	2.0	—12.8					
Addison.....		756	20,010	21,912	22,277	—8.7	Lancaster.....		139	9,752	8,949	7,191	9.0	24.4					
Bennington.....		661	21,378	21,705	20,448	—1.5	Lee.....		446	25,840	19,856	18,216	20.1	9.0					
Caledonia.....		618	20,631	24,581	23,436	6.8	Loudoun.....		519	21,167	21,948	23,274	—3.6	—5.7					
Chittenden.....		543	42,447	39,600	35,389	7.2	Lunenburg.....		516	16,578	16,517	16,997	0.4	—3.8					
Essex.....		638	7,384	8,056	9,511	—8.3	Lynchburg city.....		5	29,494	18,891	19,709	56.1	—4.2					
Franklin.....		652	29,866	30,198	29,755	—1.1	Madison.....		324	10,055	10,216	10,225	—1.6	—0.1					
Grand Isle.....		83	3,761	4,462	3,843	—15.7	Mathews.....		94	8,922	8,239	7,584	8.3	8.6					
Lamoille.....		436	12,885	12,289	11,831	2.4	Mecklenburg.....		669	26,956	26,551	25,339	9.1	4.7					
Orange.....		676	18,703	19,323	19,373	—6.3	Middlesex.....		146	8,852	8,220	7,458	7.7	10.2					
Orleans.....		688	25,337	22,024	22,101	—6.0	Montgomery.....		396	17,208	15,852	17,742	8.9	—10.7					
Rutland.....		911	48,139	44,209	45,397	8.9	Nansemond.....		423	26,886	25,075	19,692	16.5	17.2					
St. Albans.....		719	41,702	36,467	29,686	—2.6	Nelson.....		473	16,821	16,075	15,336	4.6	4.8					
Windham.....		705	26,832	26,060	26,547	1.0	New Kent.....		191	4,682	4,865	5,511	—3.8	—11.7					
Windsor.....		948	33,081	32,225	31,706	4.5	Newport News city.....		2	19,205	17,127	16,298	9.2	2.7					
<b>VIRGINIA—</b>		<b>40,262</b>	<b>2,061,612</b>	<b>1,854,184</b>	<b>1,655,980</b>	<b>11.2</b>	Norfolk.....		404	52,744	50,780	28,899	3.9	75.7					
Accomac.....		502	36,650	32,570	27,277	12.5	Norfolk city.....		7	67,452	46,624	34,871	44.7	33.7					
Albemarle.....		750	29,871	28,473	26,788	4.9	Northampton.....		239	16,672	13,770	10,313	21.1	33.5					
Alexandria.....		31	10,331	6,430	4,258	59.1	Northumberland.....		205	10,777	9,846	7,885	9.5	24.9					
Alexandria city.....		1	15,529	14,528	14,339	5.5	Nottoway.....		310	13,462	12,366	11,882	8.9	6.8					
Alleghany.....		457	14,173	16,330	9,283	—13.2	Orange.....		359	13,486	12,571	12,814	7.3	—1.9					
Amelia.....		371	8,720	9,037	9,068	—3.5	Page.....		322	14,147	13,794	13,092	2.6	5.4					
Amherst.....		470	18,832	17,864	17,551	6.0	Patrick.....		485	17,195	15,403	14,147	11.6	8.9					
Appomattox.....		342	8,904	9,602	9,589	—7.8	Petersburg city.....		3	24,127	21,810	22,680	10.6	—3.8					
Augusta.....		1,003	32,445	32,370	30,000	0.2	Pittsylvania.....		1,012	50,709	46,894	49,636	8.1	1.3					
Bath.....		545	6,538	5,586	4,587	16.9	Portsmouth city.....		3	32,169	17,127	16,298	90.5	31.3					
Bedford.....		791	29,549	30,356	31,213	—2.7	Powhatan.....		273	6,099	6,824	6,791	—10.6	0.5					
Bland.....		300	5,154	5,315	5,129	—6.2	Prince Edward.....		356	14,266	1								

# POPULATION OF COUNTIES.

51

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.	COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.		COUNTY.	Land area in square miles: 1910	POPULATION.			PER CENT OF INCREASE.						
			1910	1900	1890	1900-1910	1890-1900			1910	1900	1890	1900-1910	1890-1900					
<b>VIRGINIA—Con.</b>																			
Stanton city <sup>1</sup> .....	3	10,604	7,289	6,975	45.5	4.5		WEST VIRGINIA—Con.											
Surry.....	278	9,715	8,469	8,256	14.7	2.6		Lewis.....	393	18,281	16,980	15,895	7.7	6.8					
Sussex.....	515	13,661	12,082	11,100	13.1	8.8		Lincoln.....	418	20,491	18,351	17,206	32.8	37.2					
Tazewell.....	531	24,946	23,284	19,899	6.7	17.5		Monroe.....	438	14,476	6,955	11,100	108.1	—3.7					
Warren.....	216	8,589	8,337	8,280	—2.8	6.7		McDowell.....	533	47,856	18,747	7,300	155.3	156.8					
Warwick.....	67	6,041	4,888	6,650	23.6	—26.5		Marion.....	315	42,794	32,450	20,721	32.0	56.5					
Washington.....	602	32,830	28,995	26,118	13.2	11.0		Marshall.....	310	32,388	26,444	20,735	22.5	27.5					
Westmoreland.....	252	9,313	9,243	8,399	0.8	10.0		Mason.....	475	23,019	24,142	22,833	—4.7	5.6					
Winchester city.....	1	5,864	5,161	5,196	13.6	—0.7		Mercer.....	419	38,371	23,023	16,032	66.7	43.9					
Wise.....	420	31,162	19,653	9,345	73.8	110.3		Mineral.....	349	16,674	12,883	12,085	29.4	6.6					
Wythe.....	479	20,372	20,407	18,015	—0.3	13.4		Mingo.....	416	19,431	11,359		71.1						
York.....	136	7,757	7,382	7,596	3.7	—1.5		Monongalia.....	358	24,334	19,049	15,705	27.7	21.3					
<b>WASHINGTON</b>																			
Adams.....	1,912	10,930	4,840	2,098	125.6	130.7		Morrant.....	457	13,055	13,130	12,429	—0.6	5.6					
Asotin.....	605	5,831	3,366	1,580	73.2	113.0		Nicholas.....	680	17,699	11,403	9,309	55.2	22.5					
Benton <sup>1</sup> .....	1,927	35,590	15,124	9,249	135.3	* 61.4		Ohio.....	107	57,572	48,024	41,557	19.9	15.6					
Chelan <sup>1</sup> .....	2,900	15,104	3,951		284.2			Pendleton.....	609	9,349	9,167	8,711	2.0	5.2					
Chlaim.....	1,726	6,755	5,603	2,771	20.6	* 87.2		Pleasant.....	132	8,074	9,345	7,539	—13.6	24.0					
Clarke.....	1,341	20,115	13,419	11,709	94.6	14.6		Pocahontas.....	904	14,740	8,572	6,814	72.0	26.8					
Clark.....	858	7,042	7,128	6,709	—1.2	6.2		Preston.....	659	26,341	22,727	20,355	15.9	11.7					
Cowlitz.....	1,153	12,561	7,577	5,917	84.5	33.1		Putnam.....	336	18,587	17,350	14,342	7.3	20.8					
Douglas.....	1,787	9,227	4,926	3,161	87.3	55.8		Raleigh.....	597	25,633	12,436	9,597	106.1	29.6					
Ferry.....	2,220	4,800	4,562		5.2			Randolph.....	1,036	26,028	17,670	11,633	47.3	51.9					
Franklin.....	1,206	5,153	486	696	900.3	—30.2		Ritchie.....	453	17,875	18,901	16,621	—5.4	13.7					
Garfield.....	694	4,199	3,918	3,897	7.2	0.5		Roane.....	522	21,543	19,852	15,303	8.5	29.7					
Grant <sup>1</sup> .....	2,720	8,098	4,704	1,787	151.6	4.6		Summers.....	309	18,420	16,265	13,117	13.2	24.0					
Island.....	208							Taylor.....	175	16,554	14,978	12,147	10.5	23.3					
Jefferson.....	1,747	8,337	5,712	8,368	46.0	* —32.2		Tucker.....	405	18,675	13,433	6,459	39.0	108.0					
King.....	2,111	284,638	110,053	63,989	158.6	* 71.8		Tyler.....	260	16,211	11,252	11,962	—11.2	52.6					
Kittitas.....	571	17,647	6,767	4,624	84.5	13.4		Upshur.....	351	16,629	14,095	12,714	13.2	15.6					
Klickitat <sup>1</sup> .....	2,329	18,561	9,704	8,777	91.3	10.6		Wayne.....	517	24,081	23,619	18,652	2.0	26.6					
Lincoln.....	1,825	10,180	6,407	5,167	58.9	24.0		Webster.....	583	9,680	8,862	4,783	9.2	85.3					
Lewis.....	2,309	32,127	15,157	11,499	112.0	31.8		Wetzel.....	357	23,555	22,880	16,811	4.3	35.9					
Lincoln.....	2,302	17,539	11,969	9,312	46.5	28.5		Wirt.....	218	9,047	10,284	9,411	—15.0						
Mason.....	930	5,156	3,510	2,826	35.3	34.8		Wood.....	564	38,001	34,472	28,612	10.3	20.4					
Okanogan <sup>1</sup> .....	5,221	12,887	4,969	1,467	174.8	* 170.3		Wyoming.....	502	10,392	8,380	6,247	24.0	34.1					
Pacific.....	895	12,532	5,083	4,358	109.5	37.3		<b>WISCONSIN</b>											
Pierce.....	1,701	120,812	55,515	50,940	117.6	9.0		Adams.....	684	8,604	9,141	6,889	—5.9	32.7					
San Juan.....	178	3,403	2,928	2,072	23.1	41.3		Ashland.....	2,965	20,176	20,063	18,963	0.5	5.6					
Skagit.....	1,774	29,241	14,272	8,747	104.9	* 60.0		Bayfield.....	885	29,114	23,677	15,416	23.0	53.6					
Skamania.....	1,685	2,887	1,658	774	71.0			Barron.....	1,933	15,987	14,392	7,390	11.1	* 89.4					
Snohomish.....	2,064	59,209	29,950	8,514	147.2	* 115.8		Brown.....	529	54,098	46,359	39,164	16.7	* 16.6					
Spokane.....	1,756	139,404	57,542	37,487	142.3	53.5		Buffalo.....	657	16,006	16,765	15,997	—4.5	4.8					
Stevens.....	3,866	25,297	10,543	4,341	139.9	* 129.3		Burnett.....	860	9,026	7,478	4,393	20.7	70.2					
Thurston.....	709	17,581	9,927	9,675	77.1	2.6		Calumet.....	324	16,701	17,078	16,639	—2.2	2.6					
Wahkiakum.....	267	3,285	2,519	2,526	16.5			Chippewa <sup>1</sup> .....	322	32,103	33,057	25,143	—2.8	31.4					
Walla Walla.....	1,265	31,931	18,680	12,224	70.9	52.8		Clark.....	1,218	30,074	25,848	17,705	16.3	46.0					
Whatcom.....	2,082	49,511	24,116	18,591	105.3	* 27.8		Columbia.....	778	31,129	31,121	28,350	(*)	9.8					
Whitman.....	2,108	35,290	25,360	6,885	31.2	22.7		Crawford.....	579	16,288	17,266	15,987	—5.8	8.1					
Yakima.....	5,059	41,709	13,462	4,429	209.8	* 153.8		Dane.....	1,202	77,435	69,435	59,575	11.5	16.5					
<b>WEST VIRGINIA</b>																			
Barbour.....	348	15,858	14,198	12,702	11.7	11.8		Dodge.....	897	47,436	46,631	44,984	1.7	3.7					
Berkeley.....	325	21,999	19,409	18,702	13.0	4.1		Door.....	469	18,711	17,583	15,682	6.4	12.1					
Bolton.....	461	8,331	8,194	6,885	—8.1	19.0		Douglas.....	1,337	47,422	36,335	13,468	30.5	169.6					
Braxton.....	517	23,023	18,904	13,928	21.8	33.7		Dunn.....	869	25,260	25,043	22,664	0.9	10.5					
Brooke.....	89	11,098	7,219	6,660	53.7	8.4		Eau Claire.....	638	32,711	31,092	30,673	3.2	3.3					
Cabell.....	263	46,685	29,252	23,565	59.6	24.0		Florence.....	497	9,381	9,167	8,204	2.4	22.8					
Calhoun.....	11,288	10,326	8,155	9.7	23.9			Fond du Lac.....	726	53,620	47,589	44,088	8.4	7.9					
Clay.....	332	10,233	8,748	4,659	24.1	77.0		Forest <sup>1</sup> .....	1,400	6,782	1,396	1,012	385.8	37.9					
Clayton.....	317	12,672	13,689	12,583	—7.4	12.1		Grant.....	1,169	39,007	38,881	36,531	0.3	6.1					
Dayette.....	667	51,903	31,987	20,142	62.3	55.7		Green.....	693	21,441	20,822	20,304	9.7	51.8					
Gilmer.....	331	11,379	11,762	9,746	—3.3	20.7		Green Lake.....	360	15,491	15,797	15,163	—1.9	4.2					
Grant.....	461	7,838	7,275	6,402	7.7	7.0		Iowa.....	781	22,497	23,114	22,117	—2.7	4.5					
Greenbrier.....	998	24,833	20,663	18,031	20.1	14.7		Iron <sup>1</sup> .....	792	8,206	6,616								
Hamshire.....	648	11,694	11,806	11,419	—0.9	3.4		Jefferson.....	990	17,075	17,466	15,797	—2.5						
Hancock.....	83	10,465	6,093	6,414	56.4	4.3		Juneau.....	552	34,306	34,789	33,530	—1.4	3.8					
Hardy.....	574	9,163	8,449	7,567	8.5	11.7		Kenosha.....	802	16,509	20,629	17,121	—5.1	20.5					
Harrison.....	416	48,381	27,090	21,919	74.7	26.3		Kewaunee.....	337	16,784	17,212	16,153	—2.5	6.6					
Jefferson.....	211	29,956	22,987	19,021	—8.8	2.5		Lafayette.....	481	43,996	42,997	38,801	2.3	10.8					
Kanawha.....	800	81,457	51,696	42,756	48.9	27.9		Lanai.....	642	20,075	20,959	20,265	—4.2	3.4					
								Lanai.....	642	17,062	12,553	9,475	35.9	32.9					
								Lincoln.....	902	19,064	16,269	12,008	17.2	35.5					
								Manitowoc.....	602	44,978	42,261	37,831	6.4	11.7					
								Marathon.....	1,554	55,054	43,556	30,309	27.3	42.4					
								Marquette.....	1,415	33,812	30,822	20,304	9.7	51.8					
								Marquette.....	457	10,741	10,590	9,676	2.2	8.6					
								Milwaukee.....	235	43,187	330,017	236,101	31.3	39.8					

<sup>1</sup> For changes in boundaries, etc., of counties, see page 53.

<sup>2</sup> State total includes population (7,842) of Indian reservations specially enumerated in 1890, not distributed by counties.

<sup>3</sup> See headline to table, page 32.

<sup>4</sup> State total includes population (6,450) of Indian reservations specially enumerated in 1890, not distributed by counties.

<sup>5</sup> Less than one-tenth of 1 per cent.

## AREA AND POPULATION OF COUNTIES AND EQUIVALENT SUBDIVISIONS IN THE UNITED STATES: 1910, 1900, AND 1890—Continued.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 13—Con.		POPULATION.				PER CENT OF INCREASE.		Land area in square miles: 1910		POPULATION.				PER CENT OF INCREASE.		
COUNTY.	Land area in square miles: 1910	1910	1900	1890	1900-1910	1890-1900		COUNTY.	Land area in square miles: 1910	1910	1900	1890	1900-1910	1890-1900		
WISCONSIN—																
Monroe.....	937	28,581	28,103	27,211	2.8	21.1		Walworth.....	560	29,614	29,259	27,800	1.2	5.0		
Oconto.....	1,118	25,657	29,574	15,009	22.9	137.5		Washington.....	835	8,196	5,721	2,926	48.5	88.7		
Oneida.....	901	11,433	8,875	5,010	28.8	77.1		Waukesha.....	431	23,784	23,580	22,751	0.8	3.7		
Outagamie.....	646	49,102	46,247	38,090	6.2	16.9		Waupaca.....	549	37,100	35,229	33,270	5.3	5.9		
Ozaukee.....	233	17,123	16,363	14,945	4.6	9.5		Waushara.....	759	32,782	31,615	26,794	3.7	18.0		
Pepin.....	236	7,577	7,905	6,932	-4.1	14.0		Winnebago.....	646	18,886	15,472	13,507	18.2	18.2		
Pierce.....	563	22,079	23,943	20,385	-7.8	17.5		Wood.....	459	62,116	58,225	50,097	6.7	16.2		
Polk.....	935	21,367	17,871	12,968	20.0	37.3				809	30,583	28,565	18,127	18.2	42.7	
Portage.....	812	30,945	29,488	24,798	5.0	18.9		WYOMING								
Price.....	1,279	15,795	9,166	5,258	51.5	73.2		Albany.....	97,394	145,965	92,631	62,555	57.7	47.9		
Racine.....	324	57,424	45,644	36,268	25.8	25.9		Blethen.....	4,401	11,574	13,084	8,865	-11.5	47.6		
Richland.....	590	18,899	19,483	19,121	-3.5	1.9		Carbon.....	6,708	6,886	4,328	105.3				
Rock.....	716	55,538	51,203	43,220	8.5	18.5		Converse.....	8,029	11,282	9,589	6,857	17.7	39.8		
Rusk.....	925	11,160						Crook.....	6,740	6,294	3,567	2,738	88.6	21.9		
St. Croix.....	735	25,910	26,830	23,139	-3.4	16.0				5,441	6,492	3,137	2,338	106.9	34.2	
Sauk.....	842	32,869	33,006	30,575	-0.4	8.0		Fremont.....	12,659	11,822	5,357	2,463	120.7	137.9		
Sawyer.....	1,320	6,227	3,593	1,977	73.3	137.6		Johnson.....	4,175	3,453	2,361	2,357	46.3	0.2		
Shawano.....	1,158	31,854	27,475	19,236	16.0	54.4		Laramie.....	6,992	26,127	20,181	16,777	29.5	20.3		
Sheboygan.....	521	54,888	50,345	42,489	9.0	18.5		Natrona.....	5,753	4,766	1,785	1,091	167.0	63.2		
								Parke.....	5,420	4,909						
Taylor.....	991	13,641	11,262	6,731	21.1	67.3		Sheridan.....	2,575	16,321	5,122	1,672	218.7	159.7		
Trimpeau.....	748	22,928	23,114	18,920	-0.8	22.2		Sioux.....	10,500	11,575	8,555	4,941	36.9	79.9		
Vernon.....	821	28,116	28,351	25,111	-0.8	12.9		Union.....	11,044	16,982	12,223	7,414	38.9	64.9		
Vilas.....	833	6,019	4,929		22.1			Weston.....	4,593	4,900	3,203	2,422	54.9	32.2		
								Yellowstone Nat. Pk.....	2,904	519	369	467	40.7	-21.0		

<sup>1</sup> See headnote to table, page 32.<sup>2</sup> For changes in boundaries, etc., of counties, see page 53.<sup>3</sup> State total includes population (1,850) of Indian reservations specially enumerated in 1890, not distributed by counties.<sup>4</sup> Geographically located within the limits of Wyoming, Idaho, and Montana; total population returned in Wyoming.

## AREA AND POPULATION OF SUBDIVISIONS OF ALASKA IN 1910, HAWAII IN 1910, 1900, AND 1890, AND PORTO RICO IN 1910 AND 1899.

[A minus sign (—) denotes decrease.]

Table 14		RECORDER'S DISTRICT.		1910	RECORDER'S DISTRICT.		1910	RECORDER'S DISTRICT.		1910
<b>ALASKA</b> <sup>1</sup> (area in sq. miles, 590,884).		<b>63,356</b>			<b>ALASKA—Continued.</b>			<b>ALASKA—Continued.</b>		
<b>FIRST JUDICIAL DISTRICT.....</b>		<b>15,216</b>			<b>THIRD JUDICIAL DISTRICT.....</b>		<b>20,078</b>	<b>FOURTH JUDICIAL DISTRICT.....</b>		<b>16,711</b>
Juneau district.....		5,854			Aleutian Islands district.....		1,083	Chandalar district.....		368
Kobuk district.....		3,520			Bristol Bay district.....		4,502	Circle district.....		799
Sitka district.....		2,210			Cook Inlet district.....		677	Eagle district.....		543
Skagway district.....		1,980			Copper Center district.....		553	Fairbanks district.....		7,675
Wrangell district.....		1,652			Coriova district.....		1,779	Fort Gibbon district.....		853
<b>SECOND JUDICIAL DISTRICT.....</b>		<b>12,351</b>			Iliamna district.....		271	Fortymile district.....		341
Cape Nome district.....		3,924			Kenai district.....		623	Hot Springs district.....		372
Council City district.....		686			Kodiak district.....		1,692	Kantishna district.....		68
Fairhaven district.....		543			Kuskokwim district (part of).....		2,448	Koryuk district.....		455
Kenai district.....		308			[For total, see judicial district 2.]		19	Kuskokwim district (part of).....		491
Kuskokwim district (part of).....		2,201			Nabesna district.....		103	[For total, see judicial district 2.]		232
Total for Kuskokwim district in judicial districts 2, 3, and 4.....		2,711			Prince William Sound district.....		210	Mount McKinley district.....		785
Noatak-Kobuk district.....		2,262			Unalaska district.....		1,303	Nulato district.....		752
Port Clarence district.....		1,007			Valdez district.....		4,815	Ophi district.....		1,234
St. Lawrence Island district.....		293						Other district.....		370
St. Michael district (part of).....		1,127						Rampart district.....		1,128
Total for St. Michael district in judicial districts 2 and 4.....		2,255						St. Michael district (part of).....		430

<sup>1</sup> The population of Alaska in 1900 was 63,592 and in 1890, 32,052; from 1900 to 1910 the increase was 764, or 1.2 per cent; from 1890 to 1900 it was 31,540, or 98.4 per cent.

Table 14—Continued.

COUNTY.		POPULATION.			PER CENT OF INCREASE.	
	Land area in square miles: 1910	1910	1900	1890	1900-1910	1890-1900
<b>HAWAII</b> <sup>1</sup>		<b>6,449</b>	<b>191,909</b>	<b>154,001</b>	<b>28,908</b>	<b>24.6</b>
Hawaii.....	4,015	55,382	46,843	26,754	18.2	75.1
Honolulu.....	690	82,028	58,504	31,194	40.2	87.5
Kalawao.....	11	785	1,177		-33.3	
Kauai.....	641	23,952	29,734	11,859	15.5	74.8
Maua.....	1,182	29,762	26,743	20,183	11.3	32.5

<sup>1</sup> County organization went into effect in 1905; comparison for 1890 and 1900 made from population of island groups.<sup>2</sup> Figures derived from the census taken as of Dec. 28, 1890, under the direction of the Hawaiian Government.<sup>3</sup> Includes population, not returned separately, of territory taken to form Kalawao County in 1905.



## AREA AND POPULATION OF SUBDIVISIONS OF ALASKA IN 1910, HAWAII IN 1910, 1900, AND 1890, AND PORTO RICO IN 1910 AND 1899—Continued.

[A minus sign (—) denotes decrease.]

Table 11—Continued. MUNICIPAL DISTRICT.	POPULATION.			Percent of increase: 1899-1910	MUNICIPAL DISTRICT.	POPULATION.			Percent of increase: 1899-1910	MUNICIPAL DISTRICT.	POPULATION.			Percent of increase: 1899-1910
	1910	1899				1910	1899				1910	1899		
<b>PORTO RICO</b> (area, sq. miles, 4,435).....	1,118,012	953,243		17.3	<b>PORTO RICO—</b> <b>Con.</b>					<b>PORTO RICO—</b> <b>Con.</b>				
Adjuntas.....	16,934	19,484	—13.0		Culebra.....	1,315	704	86.8		Padilla.....	14,448	11,163	29.4	
Aguaíada.....	21,487	19,881	8.5		Dorado.....	4,885	3,804	28.4		Penuelas.....	11,991	12,129	—1.1	
Aguiadilla.....	24,419	17,830	20.1		Guayama.....	21,135	16,782	25.9		Ponce.....	63,444	55,477	14.4	
Agua Buenas.....	8,202	7,977	3.9		Guayama.....	17,729	12,740	36.3		San Sebastián.....	8,152	7,432	9.7	
Aibonito.....	10,815	8,596	25.8		Guayama.....	10,354	9,540	8.5		Tinco.....	7,275	6,641	9.5	
Andreo.....	14,407	13,311	8.2		Guayama.....	11,139	8,700	28.9		Rio Grande.....	13,948	12,365	12.8	
Arellibo.....	42,429	36,910	15.0		Hatillo.....	10,630	10,449	1.7		Rio Piedras.....	18,880	13,760	37.2	
Arroyo.....	6,940	4,867	42.6		Humacao.....	26,078	22,915	16.4		Silvana Grande.....	11,523	10,560	9.4	
Barceloneta.....	11,644	9,357	24.4		Isabela.....	16,552	14,888	13.2		Sollinas.....	11,403	5,731	99.0	
Barraquitas.....	10,563	8,163	29.6		Juana Diaz.....	29,157	27,896	4.5		San German.....	22,143	20,246	9.4	
Barros.....	15,028	14,845	1.2		Juncos.....	11,692	8,429	38.7		San Juan.....	48,716	32,048	52.0	
Bayamon.....	29,986	19,940	50.4		Lajas.....	11,071	8,789	26.0		San Lorenzo.....	14,278	15,433	6.3	
Camuy.....	19,562	16,154	21.1		Lares.....	22,550	20,883	8.5		San Sebastian.....	18,904	16,412	15.2	
Caguas.....	27,109	19,857	36.8		Loiza.....	10,046	11,279	—10.9		Santa Isabel.....	18,953	9,838	43.2	
Canopy.....	11,342	10,887	4.2		Manati.....	13,317	12,522	6.3		Sancti Spiritus.....	9,127	7,908	15.4	
Caroliña.....	15,327	11,965	28.1		Mariano.....	17,240	13,989	23.2		Sancti Spiritus.....	6,254	4,630	55.2	
Cayey.....	17,711	14,442	22.6		Martinez.....	7,158	8,312	—13.9		Torrealto Alto.....	6,345	5,683	11.6	
Ciales.....	18,398	18,115	1.6		Martinez.....	7,106	6,221	14.2		Utuado.....	41,054	43,800	—6.4	
Cidra.....	10,595	7,552	40.3		Mayaguez.....	42,429	38,915	9.0		Vega Alta.....	8,134	6,107	33.2	
Coamo.....	17,129	15,144	13.1		Moca.....	12,640	12,410	9.9		Vega Baja.....	12,531	10,305	23.5	
Comerio.....	11,170	8,249	35.4		Morovis.....	12,446	11,309	10.1		Vieques.....	10,425	5,368	74.6	
Corozal.....	12,978	11,508	12.8		Naguabo.....	14,365	10,873	32.1		Yabucoa.....	17,338	13,905	24.7	
					Naranjito.....	8,876	8,101	9.6		Yauco.....	31,594	27,119	16.2	

<sup>1</sup> For changes in boundaries, etc., of municipalities, see note below. <sup>2</sup> Excludes population (704) of the island of Culebra, organized as Municipality of Culebra since 1899.

## NOTES REGARDING CHANGES IN COUNTY BOUNDARIES.

**ALABAMA—1890-1910:** Organized, Houston; gain in area, Cullman; loss in area, Blount, Dale, Geneva, Henry, both gains and losses, Calhoun, Cleburne; *1890-1900:* Gain in area, Clay, Franklin, Walker; loss in area, Jefferson, Lawrence, Talladega; both gain and loss, Colbert.

**ARIZONA—1890-1900:** Organized, Coconino, Navajo, Santa Cruz; loss in area, Apache, Pima, Yavapai.

**ARKANSAS—1890-1910:** Gain in area, Lafayette, Logan, Mississippi, Sebastian; loss in area, Craighead, Madison, *1890-1900:* Gain in area, Clay, Crawford, Sevier; loss in area, Franklin, Greene, Howard.

**CALIFORNIA—1890-1910:** Organized, Imperial; gain in area, Kings; loss in area, Fresno, San Diego. *1890-1900:* Organized, Glenn, Kings, Madera, Riverside; loss in area, Colusa, Fresno, San Bernardino, Santa Cruz, Tulare.

**COLORADO—1890-1910:** Organized, Adams, Denver, Jackson; gain in area, Park, Washington, Yuma; loss in area, Arapahoe, Decatur, Jefferson, Larimer; both gain and loss, Adams. *1890-1900:* Organized, Mineral, Teller; loss in area, Chaffee, El Paso, Hinsdale, Rio Grande, Saguache; both gain and loss, Fremont.

**FLORIDA—1890-1910:** Organized, Palm Beach, St. Lucie; loss in area, Brevard, Dade. *1890-1900:* Gain in area, Polk; loss in area, Pasco.

**GEORGIA—1890-1910:** Organized, Ben Hill, Crisp, Grady, Jeff Davis, Jenkins, Stephens, Tift, Toombs, Turner; gain in area, Clarke, Fulton; loss in area, Appling, Berrien, Bulloch, Burke, Clayton, Coffee, Decatur, Dooley, Emanuel, Franklin, Habersham, Irwin, Montgomery, Oglethorpe, Screven, Tattnall, Thomas, Wilcox, Worth.

**IDAHO—1890-1910:** Organized, Bonner, Twin Falls; gain in area, Fremont, Nez Perce; loss in area, Bingham, Cassia, Kootenai, Shoshone. *1890-1900:* Organized, Bannock, Blaine, Canyon, Fremont, Lincoln; loss in area, Ada, Bingham, Lemhi.

**KANSAS—1890-1900:** Gain in area, Finney.

**KENTUCKY—1890-1900:** Gain in area, Powell; loss in area, Estill.

**LOUISIANA—1890-1910:** Organized, La Salle; loss in area, Catahoula.

**MASSACHUSETTS—1890-1910:** Gain in area, Hampden, Norfolk; loss in area, Hampshire; both gain and loss, Middlesex, Suffolk.

**MICHIGAN—1890-1900:** Organized, Dickinson; gain in area, Emmet, Keweenaw, Leelanau; loss in area, Marquette, Menominee; both gain and loss, Charlevoix, Iron.

**MINNESOTA—1890-1910:** Organized, Clearwater, Koochiching, Mahanomen, Pennington; loss in area, Beltrami, Itasca, Norman, Red Lake. *1890-1900:* Organized, Red Lake, Roseau; gain in area, Crow Wing, Hubbard; loss in area, Cass, Kittson, Polk.

**MISSISSIPPI—1890-1910:** Organized, Forrest, George, Jefferson Davis, Lamar; loss in area, Covington, Greene, Hancock, Jackson, Lawrence, Marion, Perry; both gain and loss, Pearl River. *1890-1900:* Organized, Pearl River; loss in area, Hancock, Marion.

**MONTANA—1890-1910:** Organized, Lincoln, Powell, Rosebud, Sanders; loss in area, Custer, Flathead, Missoula, Silver Bow; both gain and loss, Deer Lodge. *1890-1900:* Organized, Broadwater, Carbon, Flathead, Granite, Ravalli, Sweet Grass, Teton, Valley; gain in area, Cascade, Flathead, Lewis and Clark, Sans in area, Chouteau, Dawson, Deer Lodge, Jefferson, Meagher, Missoula, Park, Yellowstone.

**NEBRASKA—1890-1910:** Organized, Garden, Morrill; gain in area, Dakota; loss in area, Cheyenne, Deuel. *1890-1900:* Organized, Boyd; gain in area, McPherson.

**NEVADA—1890-1910:** Organized, Clark; loss in area, Lincoln.

**NEW JERSEY—1890-1900:** Gain in area, Ocean; loss in area, Burlington.

**NEW MEXICO—1890-1910:** Organized, Curry, Guadalupe, Luna, McKinley, Quay, Roosevelt, Sandoval, Torrance; loss in area, Bernalillo, Chaves, Dona Ana, Grant, Valley; gain (old), Lincoln, Quay, Roosevelt, San Juan, San Miguel, Santa Fe, Socorro, Union, Valencia; both gain and loss, Rio Arriba. *1890-1900:* Organized, Chaves, Eddy, Guadalupe (old), Otero, Union; gain in area, Bernalillo; loss in area, Colfax, Dona Ana, Lincoln, Mora, San Miguel, Santa Fe, Socorro.

**NEW YORK—1890-1900:** Organized, Nassau; gain in area, New York; loss in area, Queens, Westchester.

**NORTH CAROLINA—1890-1910:** Organized, Lee, Scotland; loss in area, Chatham, Moore, Richmond.

**NORTH DAKOTA—1890-1910:** Organized, Adams, Bowman, Burke, Divide, Dunn, Hettinger, McKenzie, Mountrail, Renville, Sheridan; gain in area, Billings, McLean, Mercer, Stark, Ward, Williams. *1890-1900:* Organized, Williams; gain in area, Billings, Bottineau, McHenry, McLean, Mercer, Pierce, Stark, Ward; loss in area, Dunn, Hettinger, Renville, Sheridan, Williams.

**OKLAHOMA—**Most of the counties were organized in 1907. Among the few existing in 1900, there was no change till after 1900. There has been no later change in

Cleveland, Kingfisher, Logan, and Oklahoma, but since 1900 Canadian has gained in area, Deaver and Payne have lost, while Greer has had both gains and losses. The counties organized between 1890 and 1900 were formed from Indian reservations. Of these counties the following remain unchanged: Dewey, Garfield, Grant, Lincoln, and Pottawatomie; there has been a gain in area in Blaine, Custer, Jay, Noble, Pawnee, and Washita, and both gains and losses in Roger Mills, Woods, and Woodward. For comparison of the special enumeration of 1907 with that of 1910 it may be noted that Harmon was organized in 1909; there was a loss of area in Beckham and both gain and loss in Greer.

**OREGON—1890-1910:** Organized, Hood River; gain in area, Baker; loss in area, Union, Wasco. *1890-1900:* Organized, Lincoln, Wheeler; gain in area, Sherman, Wallowa; loss in area, Benton, Crook, Gilliam, Grant, Tillamook, Union, Wasco.

**SOUTH CAROLINA—1890-1910:** Organized, Calhoun, Dillon, Lee; gain in area, Florence, Newberry; loss in area, Berkeley, Darlington, Kershaw, Lexington, Marion, Sumter, Williamsburg; both gain and loss, Orangeburg. *1890-1900:* Organized, Bamberg, Cherokee, Dorchester, Greenwood, Saluda; gain in area, Charleston, Florence; loss in area, Abbeville, Barnwell, Berkeley, Colleton, Darlington, Edgefield, Spartanburg, Union, York.

**SOUTH DAKOTA—1890-1910:** Organized, Corson, Harding, Perkins, Tripp; loss in area, Butte, Union; *1890-1900:* Organized, Mellette, Todd. *1890-1900:* Gain in area, Butte, Gregory, Lyman, Meade, Pennington, Stanley.

**TENNESSEE—1890-1910:** Gain in area, Perry; loss in area, Lauderdale, Wayne. *1890-1900:* Gain in area, Lewis; loss in area, Hickman, Wayne.

**TEXAS—1890-1910:** Organized, Andrews, Dawson, Gaines, Garza, Gray, Hutchinson, Lamb, Lynn, Parmor, Reagan, Schleicher, Terrell, Terry, Upton, Winkler, Young; loss in area, Presco, Tom Green. *1890-1900:* Organized, Foard, Sterling; gain in area, Brewster, Webb; loss in area, Hardeman, Knox, Tom Green.

**UTAH—1890-1910:** Gain in area, Sevier; loss in area, Piute. *1890-1900:* Organized, Carbon, Grand, Wayne; gain in area, Garfield, Utah; loss in area, Emery, Kane, Piute, Sanpete.

**VERMONT—1890-1900:** Gain in area, Caledonia; loss in area, Washington.

**VIRGINIA—1890-1910:** Organized and made independent of county, Clifton Forge city; gain in area, Danville city, Lynchburg city, Norfolk city, Portsmouth city, Richmond city, Staunton city; loss in area, Alleghany, Augusta, Campbell, Henry, Manchester city, Norfolk, Pittsylvania. *1890-1900:* Organized and made independent of county, Buena Vista city, Newport News city, Radford city; gain in area, Danville city, Portsmouth city, Roanoke city; loss in area, Montgomery, Norfolk, Pittsylvania, Roanoke, Rockbridge, Warwick.

**WASHINGTON—1890-1910:** Organized, Benton, Grant; loss in area, Douglas, Klickitat, Yakima. *1890-1900:* Organized, Chelan, Ferry; loss in area, Kittitas, Okanogan, Stevens.

**WEST VIRGINIA—1890-1900:** Organized, Mingo; loss in area, Logan.

**WISCONSIN—1890-1910:** Organized, Ruski; gain in area, Oneida; loss in area, Chippewa, Forest; both gain and loss, Vilas. *1890-1900:* Organized, Iron, Vilas; loss in area, Ashland, Forest; both gain and loss, Oneida.

**WYOMING—1890-1910:** Organized, Park; loss in area, Bighorn. *1890-1900:* Organized, Bighorn, Natrona, Weston; loss in area, Carbon, Crook, Fremont, Johnson.

**PORTO RICO—1890-1910:** Municipality organized, Culebra; gain in area, Humacao, Mayaguez; loss in area, Vieques.

## URBAN AND RURAL POPULATION.

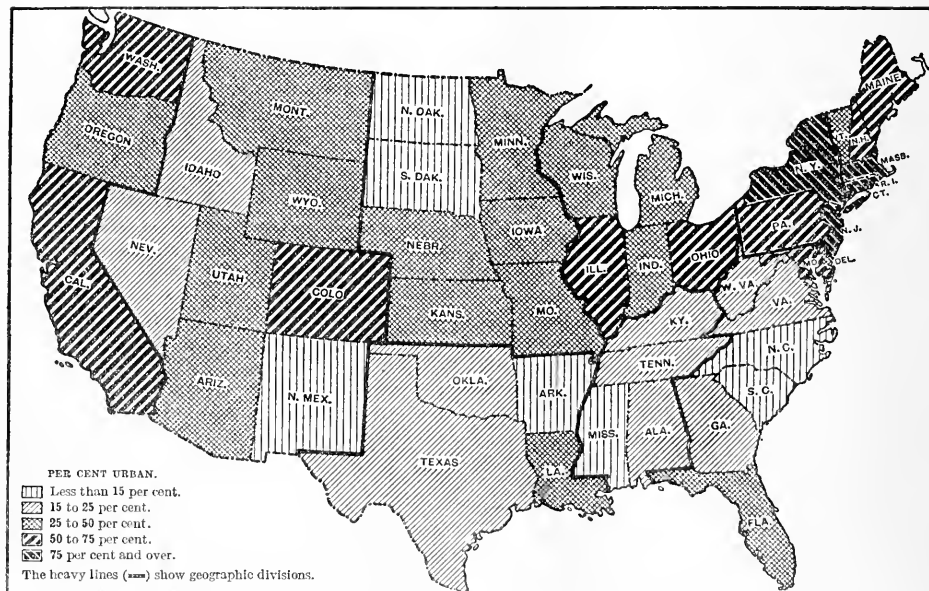
The Census Bureau classifies as urban population that residing in cities and other incorporated places of 2,500 inhabitants or more, including New England towns of that population. In most sections of the country all or practically all densely populated areas of this size are set off from rural territory and incorporated as municipalities (variously known as cities, towns, villages, boroughs, etc.). In New England, however, this is often not the case. Many of the towns consist in part of distinctly rural territory and in part of densely populated areas which are not incorporated separately and for which it is impossible to make separate population returns. For this reason it has been necessary in the New England states to include with the urban population residing in incorporated cities the population also of all towns having 2,500 inhabitants or more. The urban areas in New England, as classified by the census, therefore, include some population which, in other sections of the United States, would be segregated as rural.

Urban population being thus defined, the remainder of the country is classed as rural, consisting

(except in New England) of all unincorporated territory and of incorporated places of less than 2,500 inhabitants.

The comparisons of the urban and rural population in 1910 with that at earlier enumerations may be made either with respect to the varying proportions of the two classes at successive enumerations or with respect to the increase between enumerations. In order to contrast the *proportion* of the total population living in urban or rural territory at the census of 1910 with the proportion urban or rural at the preceding census, it is necessary to classify the territory according to the conditions *as they existed* at each census. In this comparison a place having less than 2,500 inhabitants in 1900 and over 2,500 in 1910 is classed with the rural territory for 1900 and with the urban for 1910. On the other hand, in order to present fairly the contrast between urban and rural communities, as regards their *rate of growth*, it is necessary to consider the changes in population which have occurred from one decennial census to another in exactly the *same* territory.

PER CENT URBAN IN TOTAL POPULATION, BY STATES: 1910.



**Proportion urban and rural.**—The proportion of the total population living in urban and in rural territory at the censuses of 1910, 1900, 1890, and 1880, respectively, for the United States as a whole, is shown in Table 15, on the opposite page.

This table shows a steady and rapid increase in the proportion of urban population. While the increase in the percentage of urban population from 1900 to 1910 was appreciably greater than from 1890 to 1900, it was not so great as from 1880 to 1890.

Table 15

CLASS.	POPULATION OF THE UNITED STATES.			
	1910	1900	1890	1880
Total, number .....	91,972,266	75,994,575	62,947,714	50,155,783
Urban.....	42,623,383	30,797,183	22,739,223	14,772,438
Rural.....	49,348,883	45,197,390	40,227,491	35,383,345
Total, per cent.....	100.0	100.0	100.0	100.0
Urban.....	46.3	40.5	36.1	29.5
Rural.....	53.7	59.5	63.9	70.5

The map on page 54 shows the percentage of urban population in 1910 for each of the states.

Table 18 (p. 56) shows, by divisions and states, urban and rural population, and the per cent urban and rural, at the censuses of 1910, 1900, and 1890, respectively. As shown by this table, the proportions of the total population living in urban and rural territory vary greatly in different sections of the country.

In the New England division more than four-fifths of the population in 1910 lived in urban territory, as defined by the Census Bureau. Were it possible to determine the urban population in this division on the same basis as for the rest of the country, the proportion would probably be somewhat less than three-fourths. Urban population constituted more than seven-tenths of the total in the Middle Atlantic division and more than one-half in the East North Central and Pacific divisions. The lowest proportion of urban population is found in the South—25.4 per cent in the South Atlantic division, 18.7 in the East South Central, and 22.3 in the West South Central.

In the North (comprising the first four geographic divisions) the urban population numbered 32,669,705, and the rural 23,087,410, the per cent urban being 58.6. In the South (comprising the next three divisions) the urban population was 6,623,838, and the rural 22,765,492, the proportion urban being 22.5 per cent. In the West (comprising the last two divisions), with 3,229,840 urban and 3,495,981 rural, the percentage urban was 48.8.

In each of the nine geographic divisions the proportion of the population living in urban communities was larger in 1910 than in 1900, and larger in 1900 than in 1890. The proportion increased with exceptional rapidity from 1900 to 1910 in the Pacific division, where cities have shown a remarkable growth.

The per cent distribution of the total, urban, and rural population, respectively, of the United States in 1910 among the geographic divisions is as follows:

Table 16

DIVISION.	PER CENT OF TOTAL.		
	Total.	Urban.	Rural.
United States .....	100.0	100.0	100.0
New England.....	7.1	12.8	2.2
Middle Atlantic.....	21.0	32.2	11.3
East North Central.....	19.8	22.6	17.5
West North Central.....	12.7	9.1	15.7
South Atlantic.....	13.3	7.3	18.4
East South Central.....	9.1	3.7	13.9
West South Central.....	9.6	4.6	13.8
Mountain.....	2.9	2.2	3.4
Pacific.....	4.6	5.6	3.7

**Increase in urban and rural population.**—In order to compare the *rate of growth* in urban and rural communities, it is necessary in each case, as previously explained, to consider the changes in population which have occurred in the *same* territory from one decennial census to another. For this purpose communities are classed as urban or rural according to their population in 1910, and the population of the places as thus classified is then determined for 1900 for purposes of comparison.

The increase from 1900 to 1910 in urban and rural population on this basis is shown, for the United States, in the following table:

Table 17

CLASS.	POPULATION IN		INCREASE: 1900-1910	
	1910	1900	Number.	Per cent.
Total population.....	91,972,266	75,994,575	15,977,691	21.0
Urban territory in 1910.....	42,623,383	31,669,645	11,013,738	34.8
Rural territory in 1910.....	49,348,883	44,324,930	4,963,953	11.2

The rate of increase for the population of urban areas was over three times that for the population living in rural territory.

Of the total increase in the population of the United States during the past decade (15,977,691), seven-tenths was in urban territory and only three-tenths in rural territory.

Table 19 (p. 57) shows, by divisions and states, the aggregate population in 1910 and 1900 of the territory which is classed as urban and rural in 1910, and the increase or decrease during the decade. (See also maps on page 58.)

The largest percentages of increase in urban population between 1900 and 1910 were reported for the Pacific, West South Central, and Mountain divisions, in the order named, these percentages being 101.8, 68.5, and 64.7, respectively. These same divisions also showed higher rates of increase in rural population than any of the others, though the increase in rural population was much less rapid than that in urban population, being for these divisions 46.4, 27.1, and 53.4 per cent, respectively. The New England division, on the other hand, showed the smallest percentage of increase in urban population, namely, 21.5 per cent. For this division there was a slight decrease in rural population during the last decade.

The five other geographic divisions differed little from one another in the percentages of increase in urban population, the rates ranging from 28.2 per cent for the West North Central division to 33.1 per cent for the Middle Atlantic division. They showed greater contrasts in the growth of rural population. In the South Atlantic division the increase in rural population was 12.3 per cent; in the Middle Atlantic, West North Central, and East South Central divisions it was between 5 and 10 per cent, and in the East North Central division there was a slight decrease in rural population.

## URBAN AND RURAL POPULATION, BY DIVISIONS AND STATES: 1910, 1900, AND 1890.

Table 15 DIVISION AND STATE.	1910		1900		1890		1910		1900		1890	
	Urban population.	Rural population.	Urban population.	Rural population.	Urban population.	Rural population.	Per cent. urban.	Per cent. rural.	Per cent. urban.	Per cent. rural.	Per cent. urban.	Per cent. rural.
<b>United States</b> .....	42,623,363	49,348,883	30,797,185	45,197,390	22,720,223	40,227,491	46.3	53.7	40.5	59.5	36.1	63.9
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	5,455,345	1,097,336	4,470,179	1,121,858	3,561,763	1,138,986	83.3	16.7	79.9	20.1	75.8	24.2
Middle Atlantic.....	13,729,373	5,599,519	10,075,883	5,378,795	7,333,772	5,372,448	71.0	29.0	65.2	34.8	57.7	42.3
East North Central.....	9,617,271	8,633,350	7,219,195	8,765,006	5,067,181	8,381,121	52.7	47.3	45.2	54.8	37.8	62.2
West North Central.....	3,753,716	7,764,205	2,946,544	7,400,879	2,308,819	6,623,293	33.3	66.7	28.5	71.5	25.8	74.2
South Atlantic.....	3,092,153	9,162,742	2,232,632	8,210,848	1,728,019	7,129,903	25.4	74.6	21.4	78.6	19.3	80.5
East South Central.....	1,574,229	6,835,672	1,131,056	6,416,701	817,308	5,611,846	18.7	81.3	15.0	85.0	12.7	87.3
West South Central.....	1,957,456	6,827,078	1,057,197	5,475,093	715,999	4,024,984	22.3	77.7	16.2	83.8	15.1	84.9
Mountain.....	947,511	1,686,006	541,363	1,133,294	355,627	858,308	36.0	64.0	32.3	67.7	29.3	70.7
Pacific.....	2,352,329	1,809,975	1,122,356	1,294,336	801,735	1,086,599	56.8	43.2	46.4	53.6	42.5	57.5
<b>NEW ENGLAND:</b>												
Maine.....	381,443	360,928	337,390	357,076	298,604	362,482	51.4	48.6	48.6	51.4	45.2	54.8
New Hampshire.....	255,099	175,473	226,269	185,319	192,479	184,051	52.0	48.0	55.0	45.0	51.1	48.9
Vermont.....	168,943	187,013	139,180	204,461	117,063	215,359	47.5	52.5	40.5	59.5	35.2	64.8
Massachusetts.....	3,125,367	241,049	2,567,098	238,248	2,003,854	235,093	92.8	7.2	91.5	8.5	89.5	10.5
Rhode Island.....	524,654	17,956	407,647	20,909	326,602	18,904	96.7	3.3	95.1	4.9	94.5	5.5
Connecticut.....	999,839	114,917	792,505	115,825	623,161	123,097	89.7	10.3	87.2	12.8	83.5	16.5
<b>MIDDLE ATLANTIC:</b>												
New York.....	7,185,494	1,928,120	5,296,111	1,970,783	3,899,737	2,103,437	78.6	21.2	72.9	27.1	65.0	35.0
New Jersey.....	1,907,210	629,957	1,329,162	554,507	876,638	508,295	75.2	24.8	70.6	29.4	60.7	39.3
Pennsylvania.....	4,630,669	3,034,442	3,448,610	2,853,505	2,557,397	2,700,716	60.4	39.6	54.7	45.3	48.6	51.4
<b>EAST NORTH CENTRAL:</b>												
Ohio.....	2,665,143	2,101,975	1,998,382	2,159,163	1,504,390	2,167,939	55.9	44.1	48.1	51.9	41.0	59.0
Indiana.....	1,143,835	1,557,041	862,680	1,653,773	590,039	1,602,365	42.4	57.6	34.3	65.7	26.9	73.1
Illinois.....	3,476,939	2,161,662	2,616,368	2,205,182	1,710,172	2,116,180	61.7	38.3	54.3	45.7	44.7	55.3
Michigan.....	1,327,044	1,483,129	952,323	1,408,659	730,294	1,363,596	47.2	52.8	39.3	60.7	34.9	65.1
Wisconsin.....	1,004,320	1,329,540	790,213	1,278,829	562,286	1,131,044	43.0	57.0	38.2	61.8	33.2	66.8
<b>WEST NORTH CENTRAL:</b>												
Minnesota.....	850,294	1,225,414	598,100	1,153,294	443,049	867,234	41.0	59.0	34.1	65.9	33.8	66.2
Iowa.....	680,054	1,544,717	572,386	1,650,467	405,764	1,506,533	30.6	69.4	25.6	74.4	21.2	78.8
Missouri.....	1,398,817	1,894,518	1,128,104	1,978,561	856,966	1,822,219	42.5	57.5	36.3	63.7	32.0	68.0
North Dakota.....	63,236	513,820	23,413	295,733	10,463	180,340	11.0	89.0	7.2	92.7	5.6	94.4
South Dakota.....	76,673	507,215	40,936	360,634	28,555	320,045	13.1	86.9	10.2	89.8	8.2	91.8
Nebraska.....	310,832	881,362	252,702	813,598	291,641	771,015	26.1	73.9	23.7	76.3	27.4	72.6
Kansas.....	493,790	1,197,159	330,903	1,139,592	272,201	1,155,907	29.2	70.8	22.5	77.5	19.1	80.9
<b>SOUTH ATLANTIC:</b>												
Delaware.....	97,085	105,267	85,717	99,018	71,067	97,426	48.0	52.0	46.4	53.6	42.2	57.8
Maryland.....	658,192	637,151	591,206	596,538	495,702	546,688	58.8	41.2	49.8	50.2	47.6	52.4
District of Columbia.....	331,669	.....	278,718	.....	230,392	.....	100.0	.....	100.0	.....	100.0	.....
Virginia.....	476,529	1,585,083	340,667	1,514,117	282,721	1,373,250	23.1	76.9	18.3	81.7	17.1	82.9
West Virginia.....	228,242	992,877	125,465	833,335	81,365	681,429	14.7	85.3	13.1	86.9	10.7	89.3
North Carolina.....	318,474	1,887,813	186,790	1,707,020	115,759	1,502,190	18.4	81.6	9.9	90.1	7.2	92.8
South Carolina.....	224,832	1,290,568	171,256	1,169,060	116,183	1,034,906	14.8	85.2	12.8	87.2	10.1	89.9
Georgia.....	538,659	2,070,471	346,382	1,809,949	257,472	1,579,881	20.6	79.4	15.6	84.4	14.0	86.0
Florida.....	219,680	535,539	107,031	421,511	77,358	314,064	29.1	70.9	20.8	79.2	19.8	80.2
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	555,442	1,734,463	467,668	1,679,506	356,713	1,501,922	24.3	75.7	21.8	78.2	19.2	80.8
Tennessee.....	441,045	1,743,744	326,639	1,693,977	238,394	1,529,124	20.2	79.8	16.2	83.8	13.5	86.5
Alabama.....	370,431	1,767,662	216,714	1,611,983	152,235	1,361,166	17.3	82.7	11.9	88.1	10.1	89.9
Mississippi.....	207,311	1,589,803	120,035	1,431,235	69,966	1,219,634	11.5	88.5	7.7	92.3	5.4	94.6
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	202,681	1,371,768	111,733	1,199,831	73,159	1,055,632	12.9	87.1	8.5	91.5	6.5	93.5
Louisiana.....	496,516	1,139,872	306,288	1,015,337	283,845	834,743	30.3	69.7	26.5	73.5	25.4	74.6
Oklahoma.....	320,155	1,337,090	58,417	731,974	9,484	249,173	13.0	87.0	7.4	92.6	3.7	96.3
Texas.....	938,104	2,958,438	520,759	2,527,951	349,511	1,886,016	24.1	75.9	17.1	82.9	15.6	84.4
<b>MOUNTAIN:</b>												
Montana.....	133,420	242,633	84,554	158,757	38,787	104,137	35.5	64.5	34.7	65.3	27.1	72.9
Idaho.....	69,808	255,096	10,093	151,769	.....	88,548	21.5	78.5	6.2	93.8	.....	100.0
Wyoming.....	43,221	102,744	26,657	65,874	21,484	41,071	29.6	70.4	28.8	71.2	24.3	65.7
Colorado.....	404,540	394,181	260,651	279,049	185,905	227,544	50.7	49.3	48.3	51.7	45.0	55.0
New Mexico.....	46,571	280,730	27,381	267,929	9,970	150,312	14.2	85.8	14.0	86.0	6.2	93.8
Arizona.....	63,246	141,094	19,495	103,436	8,302	79,941	31.0	69.0	15.9	84.1	9.4	90.6
Utah.....	172,934	290,417	105,427	171,322	75,155	135,624	46.3	53.7	38.1	61.9	35.7	64.3
Nevada.....	13,367	68,508	7,195	35,140	16,024	31,331	16.3	83.7	17.0	83.0	33.8	66.2
<b>PACIFIC:</b>												
Washington.....	605,530	536,460	211,477	306,626	127,178	230,054	53.0	47.0	40.8	59.2	35.6	64.4
Oregon.....	367,060	365,705	133,180	280,356	85,093	232,611	55.6	54.4	32.2	67.8	26.8	73.2
California.....	1,469,739	907,810	777,069	707,354	589,464	623,934	61.8	38.2	52.4	47.6	48.6	51.4

\* Includes population of Indian Territory for 1890 and 1900.

## INCREASE IN POPULATION OF URBAN AND RURAL TERRITORY, BY DIVISIONS AND STATES: 1900-1910.

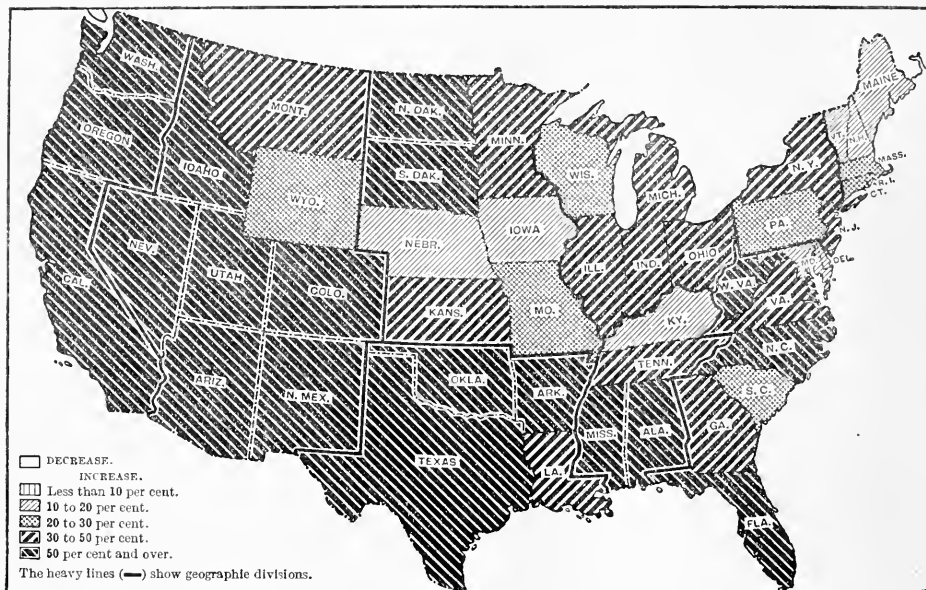
Table 19 DIVISION AND STATE.	TERRITORY URBAN IN 1910.				TERRITORY RURAL IN 1910.			
	Population in—		Increase: 1900-1910		Population in—		Increase: 1900-1910	
	1910	1900	Number.	Per cent.	1910	1900	Number.	Per cent.
<b>United States</b> .....	<b>42,623,383</b>	<b>31,809,645</b>	<b>11,013,738</b>	<b>34.8</b>	<b>49,348,883</b>	<b>44,384,930</b>	<b>4,963,953</b>	<b>11.2</b>
<b>GEOGRAPHIC DIVISIONS:</b>								
New England.....	5,455,345	4,489,531	965,814	21.5	1,097,336	1,102,486	-5,150	-0.5
Middle Atlantic.....	13,723,373	10,307,717	3,415,656	33.1	5,592,519	5,146,961	445,558	8.7
East North Central.....	9,617,271	7,348,011	2,269,260	30.9	8,633,350	8,637,570	-4,220	(-)
West North Central.....	3,873,716	3,022,664	851,052	28.2	7,764,205	7,324,759	439,446	6.0
South Atlantic.....	3,092,153	2,337,717	754,436	32.3	9,102,742	8,105,763	996,979	12.3
East South Central.....	1,574,229	1,186,290	387,939	32.7	6,835,672	6,361,352	474,320	7.5
West South Central.....	1,957,456	1,161,736	795,720	68.5	6,827,078	5,370,649	1,456,409	27.1
Mountain.....	947,611	575,332	372,279	64.7	1,646,006	1,099,325	546,681	53.4
Pacific.....	2,382,329	1,180,647	1,201,682	101.8	1,809,975	1,236,045	573,930	46.4
<b>NEW ENGLAND:</b>								
Maine.....	361,443	339,564	41,879	12.3	360,928	354,902	6,026	1.7
New Hampshire.....	255,099	226,007	29,092	12.9	175,473	185,581	-10,108	-5.4
Vermont.....	168,943	148,406	20,537	13.8	187,013	195,235	-8,222	-4.2
Massachusetts.....	3,125,367	2,569,494	555,873	21.6	241,049	235,852	5,197	2.2
Rhode Island.....	524,654	411,679	112,975	27.4	17,956	16,877	1,079	6.4
Connecticut.....	999,839	794,381	205,458	25.9	114,917	114,039	878	0.8
<b>MIDDLE ATLANTIC:</b>								
New York.....	7,185,494	5,352,283	1,833,211	34.3	1,928,120	1,916,611	11,509	0.6
New Jersey.....	1,907,210	1,363,653	543,557	39.9	629,957	529,016	109,941	21.1
Pennsylvania.....	4,630,669	4,591,781	1,038,888	28.9	3,034,442	2,710,334	324,108	12.0
<b>EAST NORTH CENTRAL:</b>								
Ohio.....	2,665,143	2,027,462	637,681	31.5	2,101,978	2,130,083	-28,105	-1.3
Indiana.....	1,143,835	876,294	267,541	30.5	1,557,041	1,640,168	-83,127	-5.1
Illinois.....	3,476,929	2,666,333	810,596	30.4	2,161,662	2,155,217	6,445	0.3
Michigan.....	1,327,044	966,826	360,218	37.3	1,483,129	1,454,156	28,973	2.0
Wisconsin.....	1,004,320	811,096	193,224	23.8	1,329,540	1,257,946	71,594	5.7
<b>WEST NORTH CENTRAL:</b>								
Minnesota.....	850,294	613,595	236,699	38.6	1,225,414	1,157,799	67,615	7.7
Iowa.....	680,054	567,267	112,787	19.9	1,544,717	1,664,569	-119,852	-7.2
Missouri.....	1,398,817	1,143,431	255,386	22.3	1,894,518	1,963,234	-68,716	-3.5
North Dakota.....	63,236	33,362	29,874	89.5	513,820	285,784	228,036	79.8
South Dakota.....	76,673	47,945	28,728	59.9	507,215	353,625	153,590	43.4
Nebraska.....	310,852	261,853	48,999	18.7	881,362	804,447	76,915	9.6
Kansas.....	493,790	355,211	138,579	39.0	1,197,159	1,115,284	81,875	7.3
<b>SOUTH ATLANTIC:</b>								
Delaware.....	97,065	85,717	11,368	13.3	105,237	99,018	6,219	6.3
Maryland.....	658,192	593,133	65,059	11.0	637,154	594,911	42,243	7.1
District of Columbia.....	331,069	278,718	52,351	18.8				
Virginia.....	476,529	354,861	121,668	34.3	1,585,083	1,499,323	85,760	5.7
West Virginia.....	228,242	137,464	90,778	66.0	992,877	821,336	171,541	20.9
North Carolina.....	318,474	208,215	110,259	53.0	1,887,813	1,685,595	202,218	12.0
South Carolina.....	224,832	177,270	47,562	26.8	1,290,568	1,163,046	127,522	11.0
Georgia.....	538,650	376,082	162,568	43.2	2,070,471	1,840,279	230,192	12.5
Florida.....	219,080	126,287	92,793	73.5	533,539	402,255	131,284	32.6
<b>EAST SOUTH CENTRAL:</b>								
Kentucky.....	555,442	483,233	72,209	14.9	1,734,463	1,663,941	70,522	4.2
Tennessee.....	441,045	335,722	105,323	31.4	1,748,744	1,684,779	58,965	3.5
Alabama.....	370,431	237,670	132,761	55.9	1,767,662	1,591,027	176,635	11.1
Mississippi.....	207,311	129,665	77,646	59.9	1,589,803	1,421,605	168,198	11.8
<b>WEST SOUTH CENTRAL:</b>								
Arkansas.....	202,681	131,719	70,962	53.9	1,371,768	1,179,960	191,808	16.3
Louisiana.....	496,516	380,997	115,519	30.3	1,159,872	1,000,628	159,244	15.9
Oklahoma.....	320,155	89,148	231,007	259.1	1,337,000	701,243	635,757	90.7
Texas.....	938,104	559,872	378,232	67.6	2,958,438	2,488,838	469,600	18.9
<b>MOUNTAIN:</b>								
Montana.....	133,420	89,476	43,944	49.1	242,633	153,853	88,780	57.7
Idaho.....	69,898	22,107	47,791	216.2	255,696	139,665	116,031	83.1
Wyoming.....	43,221	33,526	9,695	28.9	102,744	59,005	43,739	74.1
Colorado.....	404,840	269,662	135,178	50.1	394,184	270,038	124,146	46.0
New Mexico.....	46,571	26,484	20,087	75.8	280,730	168,826	111,904	66.3
Arizona.....	63,260	21,409	41,851	195.5	141,094	101,522	39,572	39.0
Utah.....	172,934	108,168	64,766	59.9	200,417	168,581	31,836	18.9
Nevada.....	13,367	4,500	8,867	197.0	68,508	37,835	30,673	81.1
<b>PACIFIC:</b>								
Washington.....	605,530	227,614	377,916	166.0	536,460	290,489	245,971	84.7
Oregon.....	307,060	142,840	164,220	115.0	365,705	270,696	95,009	35.1
California.....	1,469,739	810,193	659,546	81.4	997,810	674,860	322,950	34.5

¹ A minus sign (-) denotes decrease.

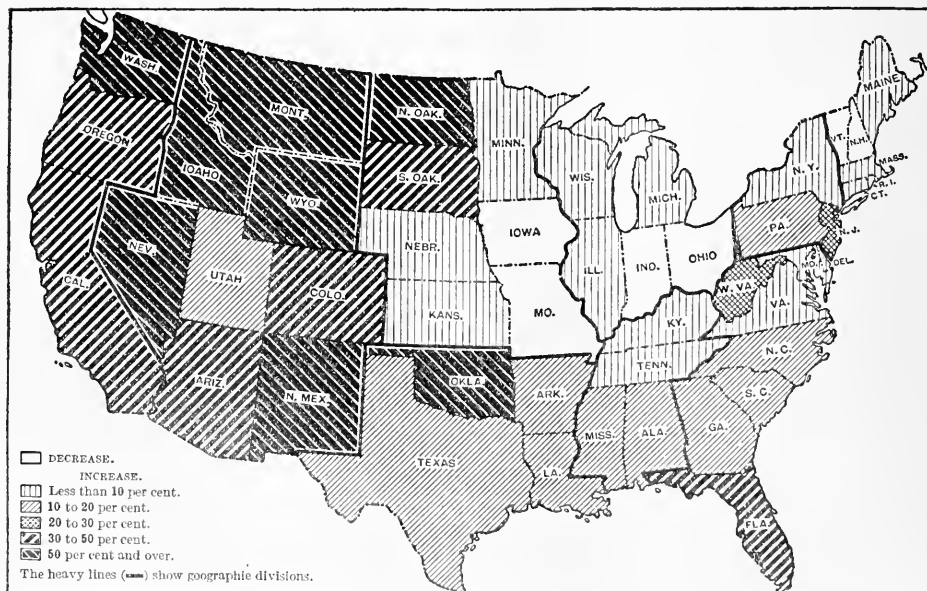
² A decrease of less than one-tenth of 1 per cent.

³ Includes population of Indian Territory for 1900.

PER CENT OF INCREASE IN URBAN POPULATION, BY STATES: 1900-1910.



PER CENT OF INCREASE IN RURAL POPULATION, BY STATES: 1900-1910.



There was in every state between 1900 and 1910 an increase in urban population, but in six states—namely, New Hampshire, Vermont, Ohio, Indiana, Iowa, and Missouri—there was a decrease in rural population. In all but two states—Montana and Wyoming—the urban population increased faster than the rural population, and generally at a much more rapid rate.

### COMMUNITIES CLASSIFIED ACCORDING TO SIZE.

Proportion in the several classes of communities.—In addition to classifying the population according to the broad grouping into urban and rural, a further analysis may be made on the basis of a more detailed size classification. The following table shows, for the

The decrease or slow increase in the rural population throughout large areas is in no sense due to lack of agricultural prosperity. On the contrary, in almost all such areas there has been a remarkable increase in the value of farm property.

The maps on the opposite page show the rates of increase or decrease in urban and in rural population since 1900 for each state.

United States, the number of places constituting each of the specified classes of cities at the censuses of 1910, 1900, and 1890, the combined population of each group, and the percentage which each group represents of the total population of the country.

CLASS OF PLACES.	1910		1900		1890		PER CENT OF TOTAL POPULATION.		
	Number of places.	Population.	Number of places.	Population.	Number of places.	Population.	1910	1900	1890
Total population of the United States .....		91,972,266		75,994,575		62,947,714	100.0	100.0	100.0
<b>Urban territory</b> .....	<b>12,402</b>	<b>42,623,383</b>	<b>11,891</b>	<b>30,797,185</b>	<b>11,507</b>	<b>22,720,223</b>	<b>46.3</b>	<b>40.5</b>	<b>36.1</b>
Places of 1,000,000 inhabitants or more .....	3	8,501,174	3	6,429,474	3	3,662,115	9.2	8.5	5.8
Places of 500,000 to 1,000,000 inhabitants .....	5	3,010,667	3	1,645,087	1	806,343	3.3	2.2	1.3
Places of 250,000 to 500,000 inhabitants .....	11	3,949,839	9	2,861,296	7	2,447,068	4.3	3.8	3.9
Places of 100,000 to 250,000 inhabitants .....	31	4,840,458	23	3,272,490	17	2,781,894	5.3	4.3	4.4
Places of 50,000 to 100,000 inhabitants .....	59	4,178,915	41	2,700,477	30	2,027,569	4.5	3.6	3.2
Places of 25,000 to 50,000 inhabitants .....	120	4,062,763	82	2,785,667	67	2,298,765	4.4	3.7	3.7
Places of 10,000 to 25,000 inhabitants .....	372	5,009,308	285	4,409,900	232	3,487,139	6.1	5.8	5.5
Places of 5,000 to 10,000 inhabitants .....	629	4,364,703	476	3,278,518	359	2,495,594	4.7	4.3	4.0
Places of 2,500 to 5,000 inhabitants .....	1,172	4,105,656	969	3,354,276	791	2,713,196	4.5	4.4	4.3
<b>Rural territory</b> .....		<b>49,348,883</b>		<b>45,197,390</b>		<b>40,227,491</b>	<b>53.7</b>	<b>59.5</b>	<b>63.9</b>
Incorporated places of less than 2,500 inhabitants .....	41,754	8,118,825	8,892	6,247,645	6,466	4,719,835	8.8	8.2	7.5
Other rural territory .....		41,230,058		38,949,745		35,507,656	44.8	51.3	56.4

<sup>1</sup> The total number of cities of certain classes for the United States as a whole, and for certain geographic divisions, is less than the sum of the numbers shown for the individual states of the country or of the division, for the reason that three cities each lie in two adjoining states, namely, Bristol (Virginia-Tennessee), Texarkana (Arkansas-Texas), and Union City (Indiana-Ohio), and are therefore counted twice. Moreover, one of these cities—Bristol—lies in two different geographic divisions (South Atlantic and East South Central). Each of these cities consists of two incorporated municipalities, but each is, from the statistical standpoint, one city, and should be classed according to its total population. In each case that part of the population lying in each state, whatever its number, is credited to the group of cities to which, according to the total population, the city belongs. According to total population, Bristol fell in 1910 in the class of cities of 10,000-25,000; in 1900 and in 1890, in the class 5,000-10,000; Texarkana fell in 1910 and 1900 in the class of 10,000-25,000, and in 1890 in the class 5,000-10,000; and Union City fell at each census from 1890 to 1910 in the class of 2,500-5,000.

In addition to the 46.3 per cent of the total population which in 1910 resided in communities classed by the Census Bureau as urban, 8.8 per cent resided in incorporated places of less than 2,500 inhabitants, making in all 55.1 per cent residing under conditions more or less urban in character.

Nearly one-tenth (9.2 per cent) of the total population in 1910 resided in the three cities (New York, Chicago, and Philadelphia) which had more than 1,000,000 inhabitants each. If 100,000 inhabitants be taken as the dividing line between large and medium-sized cities, it is seen that 22.1 per cent of the population resided in such large cities. Of the total population, 8.9 per cent resided in cities of medium size, ranging from 25,000 to 100,000 inhabitants, while the small urban communities of from 2,500 to 25,000 inhabitants contained 15.3 per cent.

Comparing the percentages for the three censuses, it is seen that each of the several groups of communities classed as urban comprised a larger percentage of the population of the country in 1910 than in 1900, and that, with two exceptions, each class in 1900 com-

prised a larger percentage of the total population than in 1890.

The population of each class of cities in the several divisions in 1910 is shown in Table 22 from which the percentages in Table 21 are derived. Very great differences appear among the several geographic divisions with respect to the distribution of the urban population among communities of different sizes.

DIVISION.	PER CENT OF POPULATION IN 1910 LIVING IN—					
	Cities of—					Rural districts.
	100,000 or more.	25,000 to 100,000.	10,000 to 25,000.	5,000 to 10,000.	2,500 to 5,000.	
<b>United States .....</b>	<b>22.1</b>	<b>9.0</b>	<b>6.1</b>	<b>4.7</b>	<b>4.5</b>	<b>53.7</b>
New England .....	24.5	25.0	14.3	11.3	8.2	16.7
Middle Atlantic .....	44.5	10.9	7.0	4.5	4.1	29.0
East North Central .....	26.1	8.5	7.6	6.0	4.5	47.3
West North Central .....	13.5	6.9	3.9	4.3	4.7	66.7
South Atlantic .....	9.6	5.8	3.6	3.3	3.0	74.6
East South Central .....	7.1	3.4	2.6	2.7	2.8	81.3
West South Central .....	3.9	7.2	4.0	2.6	4.5	77.7
Mountain .....	8.1	8.8	5.5	6.6	7.0	64.0
Pacific .....	24.2	6.4	7.3	3.2	5.7	43.2

Table 22

Table 22	CITIES HAVING IN 1910 A POPULATION OF—											RURAL DISTRICTS—POPULATION.
	DIVISION.	100,000 or more.		25,000 to 100,000.		10,000 to 25,000.		5,000 to 10,000.		2,500 to 5,000.		
		Number of places.	Aggregate population.	Number of places.	Aggregate population.	Number of places.	Aggregate population.	Number of places.	Aggregate population.	Number of places.	Aggregate population.	
United States.....	50	20,302,138	179	8,241,678	1,372	5,609,208	629	4,364,703	1,172	4,105,656	49,348,883	
New England.....	8	1,606,984	34	1,637,987	61	936,553	106	738,459	153	535,371	1,097,236	
Middle Atlantic.....	11	8,599,877	44	2,110,782	91	1,349,807	130	875,771	223	787,136	5,592,519	
East North Central.....	10	4,761,966	38	1,553,809	88	1,336,143	154	1,686,197	232	819,156	8,633,350	
West North Central.....	5	1,575,658	17	801,931	33	455,339	71	498,759	156	541,919	7,794,205	
South Atlantic.....	4	1,172,621	16	712,387	27	444,714	58	397,081	105	365,950	9,102,742	
East South Central.....	4	598,082	7	289,285	15	229,364	33	229,933	67	226,565	6,835,672	
West South Central.....	1	339,075	12	636,814	37	354,582	33	229,336	117	397,599	6,827,078	
Mountain.....	1	213,381	5	230,995	12	144,593	25	174,020	54	184,522	1,686,006	
Pacific.....	6	1,435,091	6	267,688	19	307,013	19	135,066	65	237,438	1,809,975	

1 See footnote to table on page 59.

## Growth of the several classes of urban communities.—

In comparing the growth of the several classes of urban communities from 1900 to 1910, each community is grouped, for both censuses, according to its population in 1910, so as to avoid the disturbing effect of the passage of communities from one group to another. The population shown for 1900 represents, so far as it could be ascertained, the population within the boundaries of the communities as constituted in 1910. The comparison for the United States as a whole is presented in Table 23. With one exception, there was in 1910 no very great difference in the rates of growth of the several classes of urban communities. There are two groups in which the increase in population between 1900 and 1910 was somewhat more than 40 per cent, namely, cities of from 100,000 to 250,000 inhabitants and those of from 50,000 to 100,000. For all but one of the other groups the increase was between 30 and 40 per cent. The remaining group—that comprising five cities having in 1910 from 500,000 to 1,000,000 inhabitants—showed an increase during the decade of barely 20 per cent.

Table 23

CLASS OF PLACES.	Number of places in 1910.	AGGREGATE POPULATION IN—		INCREASE: 1900-1910	
		1910	1900	Number.	Per cent.
United States.....	.....	91,972,266	75,994,575	15,977,691	21.0
Territory urban in 1910.....	12,402	46,623,383	31,609,645	11,013,738	34.8
Places of—					
1,000,000 or more.....	3	8,501,174	6,429,474	2,071,700	32.2
500,000 to 1,000,000.....	5	3,010,667	2,501,226	509,441	20.4
250,000 to 500,000.....	11	3,949,839	2,932,040	1,017,799	34.7
100,000 to 250,000.....	31	4,840,458	3,421,549	1,418,909	41.5
50,000 to 100,000.....	59	4,175,915	2,948,511	1,230,404	41.7
25,000 to 50,000.....	120	4,062,763	3,028,007	1,034,756	34.2
10,000 to 25,000.....	372	5,609,208	4,153,442	1,455,766	35.0
5,000 to 10,000.....	629	4,364,703	3,194,278	1,170,425	36.6
2,500 to 5,000.....	1,172	4,105,656	3,660,518	1,044,838	36.8
Remainder of country.....	.....	49,348,883	44,384,930	4,963,953	11.2

1 See footnote to table on page 59.

Table 24 presents a comparison of the increase, between 1900 and 1910, in the population of different classes of urban communities and of rural territory in each of the nine geographic divisions of the United States. The number of classes of urban communities shown in Table 24 has been reduced to three by consolidating some of the minor groups shown in the table immediately preceding.

Table 24

DIVISION.	CITIES OF 100,000 OR MORE IN 1910.				CITIES OF 25,000 TO 100,000 IN 1910.				CITIES OF 2,500 TO 25,000 IN 1910.				TERRITORY RURAL IN 1910.			
	Number.	Aggregate population.		Per cent of increase.	Number.	Aggregate population.		Per cent of increase.	Number.	Aggregate population.		Per cent of increase.	Population.		Per cent of increase. <sup>1</sup>	
		1910	1900			1910	1900			1910	1900		1910	1900		
United States.....	50	20,302,138	15,284,589	32.8	179	8,241,678	5,976,518	37.9	12,173	14,079,567	10,348,538	36.1	49,348,883	44,384,930	11.2	
New England.....	8	1,606,984	1,325,651	21.2	34	1,637,987	1,209,641	29.0	420	2,210,374	1,803,939	16.7	1,097,236	1,102,486	-0.5	
Middle Atlantic.....	11	8,599,877	6,575,912	30.8	44	2,110,782	1,574,938	34.0	244	3,012,714	2,156,847	39.7	5,592,519	5,146,961	8.7	
East North Central.....	10	4,761,966	3,680,614	32.3	38	1,553,809	1,127,923	37.8	474	4,301,496	2,619,474	26.0	8,653,350	8,637,570	(?)	
West North Central.....	5	1,575,658	1,208,321	30.4	17	801,931	640,520	25.2	260	1,496,127	1,173,823	27.5	7,794,205	7,324,759	6.0	
South Atlantic.....	4	1,172,621	974,643	20.3	16	712,387	516,427	37.9	190	1,207,745	846,647	42.7	9,102,742	8,165,763	12.3	
East South Central.....	4	598,082	444,444	24.6	7	289,285	237,257	21.9	115	686,862	504,589	36.1	6,835,672	6,361,352	7.5	
West South Central.....	1	339,075	287,104	18.1	12	636,814	331,409	92.2	177	981,567	543,223	80.7	6,827,078	5,370,669	27.1	
Mountain.....	1	213,381	140,472	51.9	5	230,995	149,556	54.5	91	503,135	285,304	76.4	1,686,006	1,099,325	53.4	
Pacific.....	6	1,435,091	727,428	97.3	6	267,688	128,527	108.3	103	679,547	234,602	109.3	1,809,975	1,236,045	46.4	

1 A minus sign (—) denotes decrease.

2 See footnote to table on page 59.

3 A decrease of less than one-tenth of 1 per cent.



## METROPOLITAN DISTRICTS.

In its general tables dealing with the population of cities, the Bureau of the Census must necessarily deal with political units, or, in other words, with the population contained within the municipal boundaries of each city. It is a familiar fact that, in some cases, the municipal boundaries give only an inadequate idea of the population grouped about one urban center. In the case of many cities there are suburban districts with a dense population outside the city limits, which, in a certain sense, are as truly a part of the city as the districts which are under the municipal government.

It seems desirable, therefore, to show the magnitude of each of the principal population centers taken as a whole. Statistics have been compiled for each city in the United States with a population of 200,000 inhabitants or more, which, in addition to the population within the city limits, show the population in adjoining communities which may be considered as intimately associated with the urban center. Such districts are designated as "metropolitan districts."

In laying out such metropolitan districts the population is first determined for all civil divisions (that is, cities, towns, boroughs, townships, precincts, etc.) located within 10 miles of the city boundaries. Divisions which lie partly within and partly without the 10-mile limit are included if either one-half of their total population or one-half of their total area comes within that limit. State boundaries are disregarded, so that in some cases the metropolitan district lies partly in two states.

From the territory lying within the limits thus determined there have been deducted all divisions which have a population of less than about 150 or 200 inhabitants per square mile. Where the density of population is less, the division may be considered as rural rather than urban in character, and as not properly a part of the metropolitan district. There are a few exceptions to this rule where a minor civil division has been included within the metropolitan district, even though it had a lower density than that just stated, because that division was completely or almost surrounded by other civil divisions having a density which would require them to be included. The exception in such cases seems justified in order to avoid undue irregularity in the shape of the districts, or gaps lying wholly within their area.

Since a strict application of the rules for determining the metropolitan district of Boston would give an area

almost identical with the area of the "industrial district" of Boston, as laid out in a previous census bulletin (1909), the latter area is for convenience of comparison considered as the metropolitan district. The same is true of New York City, except that Nassau County, which was not included in the industrial district, has been added to the metropolitan district. In the case of the other industrial districts shown in the bulletin mentioned, the areas were so different from the metropolitan districts, as determined by the application of the rule here described, that no attempt was made to secure conformity.

Table 25 on the next page shows for 1910 and 1900 the population of 25 metropolitan districts as defined by the Census Bureau, distinguishing the population lying within the city proper from that outside the city. The cities are arranged in the order of the aggregate population of the metropolitan district.

It will be noted that two cities of more than 200,000 inhabitants—Newark and Jersey City—do not appear in the table, for the reason that they are included within the metropolitan district of New York.

The importance of the suburbs of great cities is conspicuously indicated by the combined statistics for the 25 metropolitan districts, which appear at the beginning of the table. The combined population of the metropolitan districts in 1910 was 22,088,331, of which 17,099,904 represents the population of the central cities and 4,988,427 that of the suburban areas, the latter being equal to nearly 30 per cent of the population of the cities proper. The figure of 17,099,904 represents the population of 28 cities, since there are three metropolitan districts in each of which there are two cities of such large population that both are treated as the central cities of the district, namely, Minneapolis and St. Paul; Kansas City, Kans., and Kansas City, Mo.; and San Francisco and Oakland.

The table shows further that the population of the metropolitan districts lying outside of the central cities increased between 1900 and 1910 somewhat more rapidly than that within their boundaries, the increase for the suburban districts being 43 per cent and for the cities proper 33.2 per cent.

The table emphasizes the well-known fact that the cities of the country have quite a different rank when their suburbs are taken into account from that which they hold when only the population within the city boundaries proper is considered.

## POPULATION OF METROPOLITAN DISTRICTS: 1910 AND 1900.

Table 25

Table 25	CITIES OF 200,000 INHABITANTS OR MORE.				CITIES OF 200,000 INHABITANTS OR MORE.					
	CITY.	Area in acres: 1910	Population.		Per cent of increase: 1900-1910	CITY.	Area in acres: 1910	Population.		Per cent of increase: 1900-1910
			1910	1900				1910	1900	
Total for 25 metropolitan districts.....										
In central cities (25 cities).....										
Outside central cities.....										
NEW YORK.										
Metropolitan district.....										
In city proper.....										
Outside.....										
CHICAGO.										
Metropolitan district.....										
In city proper.....										
Outside.....										
PHILADELPHIA.										
Metropolitan district.....										
In city proper.....										
Outside.....										
BOSTON.										
Metropolitan district.....										
In city proper.....										
Outside.....										
PITTSBURGH.										
Metropolitan district.....										
In city proper.....										
Outside.....										
ST. LOUIS.										
Metropolitan district.....										
In city proper.....										
Outside.....										
SAN FRANCISCO-OAKLAND.										
Metropolitan district.....										
In city proper (San Francisco).....										
In city proper (Oakland).....										
Outside.....										
BALTIMORE.										
Metropolitan district.....										
In city proper.....										
Outside.....										
CLEVELAND.										
Metropolitan district.....										
In city proper.....										
Outside.....										
CINCINNATI.										
Metropolitan district.....										
In city proper.....										
Outside.....										
MINNEAPOLIS-ST. PAUL.										
Metropolitan district.....										
In city proper (Minneapolis).....										
In city proper (St. Paul).....										
Outside.....										
DETROIT.										
Metropolitan district.....										
In city proper.....										
Outside.....										
BUFFALO.										
Metropolitan district.....										
In city proper.....										
Outside.....										
LOS ANGELES.										
Metropolitan district.....										
In city proper.....										
Outside.....										
MILWAUKEE.										
Metropolitan district.....										
In city proper.....										
Outside.....										
PROVIDENCE.										
Metropolitan district.....										
In city proper.....										
Outside.....										
WASHINGTON.										
Metropolitan district.....										
In city proper.....										
Outside.....										
NEW ORLEANS.										
Metropolitan district.....										
In city proper.....										
Outside.....										
KANSAS CITY (MO. AND KANS.).										
Metropolitan district.....										
In city proper (Kans. City, Mo.).....										
In city proper (Kans. City, Kans.).....										
Outside.....										
LOUISVILLE.										
Metropolitan district.....										
In city proper.....										
Outside.....										
ROCHESTER.										
Metropolitan district.....										
In city proper.....										
Outside.....										
SEATTLE.										
Metropolitan district.....										
In city proper.....										
Outside.....										
INDIANAPOLIS.										
Metropolitan district.....										
In city proper.....										
Outside.....										
DENVER.										
Metropolitan district.....										
In city proper.....										
Outside.....										
PORTLAND, OREG.										
Metropolitan district.....										
In city proper.....										
Outside.....										

A minus sign (—) denotes decrease.

NOTE.—The following statement gives the name and population of each municipality of 5,000 inhabitants or more falling within each metropolitan district, except the central city itself.

**New York district.**—New York: Yonkers city, 79,833; Mount Vernon city, 30,919; New Rochelle city, 28,867; Manhattan village, 5,699; New Jersey: Newark city, 347,464; Jersey City, 267,778; Paterson city, 125,600; Elizabeth city, 73,499; Hoboken city, 70,234; Bayonne city, 55,545; Passaic city, 54,773; West Hoboken town, 35,403; East Orange city, 34,671; Perth Amboy city, 32,121; Orange city, 29,639; Montclair town, 21,539; Union town, 21,235; Kearny town, 18,439; Bloomfield town, 15,070; Harrison town, 14,985; Hackensack town, 14,000; West New York town, 13,540; Irvington town, 11,877; Englewood city, 9,924; Rahway city, 9,337; Rutherford borough, 7,045; South Orange village, 6,014; Nutley town, 6,009; Roseland borough, 5,799; Guttenberg town, 5,647.

**Chicago district.**—Illinois: Evanston city, 24,978; Oak Park village, 19,444; Cicero town, 14,537; Chicago Heights city, 14,255; Blue Island village, 8,043; Maywood village, 8,033; Harvey city, 7,227; Forest Park village, 6,394; Berwyn city, 5,841; La Grange village, 5,282; Indiana: Hammond city, 20,925; East Chicago city, 19,098; Gary city, 16,802; Whiting city, 6,587.

**Philadelphia district.**—Pennsylvania: Chester city, 28,537; Norristown borough, 27,875; Bristol borough, 9,259; Conshohocken borough, 7,499; Pahrly borough, 6,205; New Jersey: Camden city, 64,538; Gloucester city, 9,462; Burlington city, 8,336.

**Boston district.**—Cambridge city, 104,839; Lynn city, 89,336; Somerville city, 77,236; Malden city, 44,404; Salem city, 43,667; Newton city, 39,800; Everett city, 33,494; Quincy city, 22,422; Chelsea city, 22,422; Waltham city, 27,831; Brookline town, 27,792; Medford city, 23,156; Revere town, 18,219; Peabody town, 15,724; Melrose city, 15,715; Hyde Park town, 15,507; Woburn city, 15,308; Framingham town, 12,948; Weymouth town, 12,858; Watertown town, 12,875; Wakefield town, 11,404; Arlington town, 11,187; Wintthrop town, 10,332; Natick town, 9,896; Winchester town, 9,309; Dedham town, 9,284; Braintree town, 8,066; Saugus town, 8,047; Norwood town, 8,044; Milton town, 7,924; Marblehead town, 7,338; Stoneham town, 7,096; Swampscott town, 6,204; Belmont town, 5,242; Wellesley town, 5,118; Needham town, 5,026.

**Pittsburgh district.**—McKeesport city, 42,694; Braddock borough, 19,357; Wilkinsburg borough, 18,924; Homestead borough, 18,713; Duquesne borough, 15,727; McKees Rocks borough, 14,702; North Braddock borough, 11,834; Carnegie borough, 10,069; Sharpsburg borough, 8,133; Jeannette borough, 8,077; Millvale borough, 7,810; New Kensington borough, 7,707; Tarentum borough, 7,414; Swissvale borough, 7,381; Bellevue borough, 6,332; Wilmerding borough, 6,133; Carriek borough, 6,117; Rankin borough, 6,042; Etta borough, 5,830; Knoxville borough, 5,631; St. Clair borough, 5,466; East Pittsburgh borough, 5,019; Glaspot borough, 5,540; Coraopolis borough, 5,292; Munhall borough, 5,185.

**St. Louis district.**—Missouri: Wellston city, 7,312; Webster Groves city, 7,080; Illinois: East St. Louis city, 58,647; Granite city, 9,908; Madison village, 5,046.

**San Francisco-Oakland district.**—Berkeley city, 4,034; Alameda city, 23,383; Richmond city, 6,802; San Rafael city, 5,934.

**Cleveland district.**—Lakewood city, 15,181; East Cleveland city, 9,179; Newburgh city, 5,813.

**Cincinnati district.**—Ohio: Norwood city, 16,185; Madisonville city, 5,103; St. Bernard city, 5,002; Kentucky: Covington city, 55,270; Newport city, 30,309; Dayton city, 6,970; Bellevue city, 6,683.

**Indianapolis district.**—Indiana: Indianapolis city, 8,387.

**Buffalo district.**—Lockawanna city, 14,439; North Tonawanda city, 11,955; Tonawanda city, 8,280.

**Los Angeles district.**—Pasadena city, 30,291; Long Beach city, 17,809; Santa Monica city, 7,847; Alhambra city, 5,621.

**Milwaukee district.**—West Allis city, 6,645; South Milwaukee city, 6,092.

**Providence district.**—Pawtucket city, 51,022; Warwick town, 26,629; Central Falls city, 22,754; Cranston city, 21,107; East Providence town, 15,808; Cumberland town, 10,107; Lincoln town, 9,525; Johnston town, 5,535; North Providence town, 5,432.

**Washington district.**—Alexandria city (Va.), 15,320.

**Kansas City (Mo. and Kans.) district.**—Rosedale city (Kans.), 5,900.

**Louisville district.**—Indiana: New Albany city, 20,629; Jefferson city, 10,412.

In using the figures given in these tables, it should be remembered that, in some instances, the growth of a city or other incorporated place may have been due in part to annexation of suburban territory. Except in the cases of New York City, Pittsburgh, and a few other similar consolidations mentioned in footnotes

Table 26	RATE OF INCREASE: 1900-1910	United States.	Northern states.	Southern states.	Western states.
Total		229	167	44	18
Over 100 per cent.		22	4	9	9
70 to 100 per cent.		17	9	7	4
50 to 70 per cent.		29	22	3	2
30 to 50 per cent.		46	36	6	4
20 to 30 per cent.		47	49	6	2
10 to 20 per cent.		42	36	6	.....
Under 10 per cent.		15	9	6	.....
Decrease.		3	2	1	.....

<sup>3</sup> Population is for the District of Columbia, with which the city is coextensive.

POPULATION OF CITIES HAVING, IN 1910, 25,000 INHABITANTS OR MORE, WITH PER CENT OF INCREASE:  
1890-1910—Continued.

Table 27—Continued.		POPULATION.			PER CENT OF INCREASE. <sup>1</sup>		CITY.		POPULATION.			PER CENT OF INCREASE. <sup>1</sup>	
CITY.		1910	1900	1890	1900-1910	1890-1900	CITY.		1910	1900	1890	1900-1910	1890-1900
<b>Massachusetts</b>													
Boston.....	670,585	560,892	448,477	19.6	25.1		<b>New York Con.</b>						
Brookline.....	56,878	40,063	27,294	42.0	46.8		Newburgh.....	27,805	24,943	23,087	11.5	8.0	
Brookline town.....	27,792	19,935	12,103	39.4	64.7		Niagara Falls.....	30,455	19,457	16,200	56.5	16.3	
Cambridge.....	104,819	91,886	70,028	34.1	31.2		Poughkeepsie.....	27,936	24,029	22,206	16.3	8.2	
Chelsea.....	32,452	34,072	27,900	14.5	22.1		Rochester.....	218,149	162,608	133,896	34.2	21.4	
Chicopee.....	25,401	19,167	14,650	32.5	36.4		Schenectady.....	72,826	51,682	39,962	129.9	59.2	
Everett.....	38,484	24,336	11,668	37.6	119.9		Schenectady.....	147,239	108,774	88,143	26.6	23.0	
Fall River.....	109,295	106,803	74,398	13.8	40.9		Utica.....	76,843	66,631	60,856	26.6	20.5	
Fitchburg.....	37,826	31,531	22,037	29.0	45.1		Watertown.....	74,419	56,383	44,067	33.0	28.1	
Haverhill.....	44,115	37,175	27,412	18.7	35.6		Yonkers.....	206,730	211,691	147,225	47.3	49.6	
Holyoke.....	57,740	45,712	35,637	26.3	28.3								
Lawrence.....	85,892	62,559	44,654	37.3	40.1		<b>North Carolina</b>						
Lowell.....	106,294	94,960	77,696	11.9	22.2		Charlotte.....	34,014	18,191	11,557	88.0	56.5	
Lynn.....	89,336	68,513	55,727	30.4	23.9		Wilmington.....	25,748	20,976	20,066	22.7	4.6	
Malden.....	44,404	33,694	23,031	31.9	46.2		<b>Ohio</b>						
New Bedford.....	96,652	62,442	40,733	54.8	35.3		Akron.....	69,067	42,728	27,601	61.6	54.8	
Newton.....	39,806	33,887	24,379	48.5	57.8		Canton.....	50,217	30,667	26,189	63.7	17.1	
Pittsfield.....	32,121	21,706	17,281	47.6	26.0		Cincinnati.....	363,291	325,902	296,908	11.6	9.8	
Quincy.....	32,642	23,899	16,723	36.6	42.9		Cleveland.....	560,663	381,768	267,533	46.9	41.1	
Salem.....	45,097	35,956	30,801	21.5	16.7		Columbus.....	181,511	125,560	88,150	44.6	42.4	
Springfield.....	88,926	62,059	44,179	43.3	40.5		Dayton.....	116,577	85,333	61,220	36.6	39.4	
Taunton.....	34,259	31,036	25,448	14.0	22.0		Hamilton.....	35,279	23,914	17,565	47.5	36.1	
Waltham.....	27,834	21,481	18,767	18.5	25.5		Lima.....	30,568	21,725	15,981	49.4	35.9	
Worcester.....	145,986	118,431	84,655	26.3	39.9		Lorain.....	28,816	16,028	12,863	80.2	229.6	
<b>Michigan</b>													
Battle Creek.....	35,267	18,363	13,197	36.1	49.7		Newark.....	25,404	18,157	14,270	39.9	27.2	
Bay City.....	45,106	27,628	27,839	63.5	-0.8		Springfield.....	40,421	38,753	31,895	22.7	19.9	
Detroit.....	465,766	283,704	205,876	63.0	38.8		Youngstown.....	71,066	44,885	33,240	76.2	61.9	
Flint.....	38,550	13,103	9,803	194.2	33.7		Zanesville.....	28,026	24,538	21,069	19.1	12.0	
Grand Rapids.....	112,571	87,565	60,758	28.6	45.3		<b>Oklahoma</b>						
Jackson.....	31,433	25,180	20,798	24.8	21.1		Muskogee.....	25,278	4,251		494.2		
Kalamazoo.....	39,437	24,404	17,853	61.6	36.7		Oklahoma City.....	64,205	10,037	4,151	539.7	141.8	
Lansing.....	31,229	16,485	13,102	89.4	25.8		<b>Oregon</b>						
Saginaw.....	36,510	42,345	46,322	19.3	-8.6		Portland.....	207,214	90,426	46,385	129.2	94.9	
<b>Minnesota</b>													
Duluth.....	78,406	52,969	33,115	48.1	60.0		<b>Pennsylvania</b>						
Minneapolis.....	301,468	227,717	164,738	48.7	23.1		Allentown.....	51,913	35,416	25,228	46.6	40.4	
St. Paul.....	214,744	163,065	133,156	48.1	22.5		Altoona.....	52,127	38,973	30,337	33.8	28.5	
<b>Missouri</b>													
Joplin.....	32,073	26,023	9,943	23.2	161.7		Chester.....	38,537	33,998	20,226	13.4	68.0	
Kansas City.....	248,381	163,752	132,716	51.7	23.4		Easton.....	28,523	25,238	14,481	13.0	74.3	
St. Joseph.....	77,403	102,979	52,324	-24.8	96.8		Ettr.....	56,525	46,426	36,262	21.5	36.2	
St. Louis.....	687,029	575,298	451,770	19.4	27.3		Harrisburg.....	64,186	50,167	39,385	27.9	27.4	
Springfield.....	55,201	23,267	21,850	51.3	6.5		Hazleton.....	25,452	14,220	11,872	78.9	19.9	
<b>Montana</b>													
Butte.....	39,165	30,470	10,723	28.5	184.2		Johnstown.....	55,852	35,936	21,865	54.4	64.8	
<b>Nebraska</b>													
Lincoln.....	43,973	40,169	55,154	9.5	-27.2		Lancaster.....	47,217	41,459	29,011	13.9	41.8	
Omaha.....	124,696	102,555	140,432	21.0	-27.0		McKeesport.....	42,604	34,227	20,741	24.7	65.0	
South Omaha.....	26,259	26,001	8,062	1.0	222.5		New Castle.....	36,280	28,530	11,660	28.0	144.3	
<b>New Hampshire</b>													
Manchester.....	70,063	56,987	44,126	29.0	29.1		Norfolk borough.....	27,875	23,265	19,791	25.2	12.5	
Nashua.....	26,005	23,398	19,311	8.8	23.8		Philadelphia.....	1,549,048	1,209,097	1,046,061	19.9	23.6	
<b>New Jersey</b>													
Atlantic City.....	46,120	27,848	13,055	65.8	113.2		Pittsburgh.....	537,905	417,112	341,904	18.2	31.3	
Bayonne.....	55,545	32,722	19,033	68.7	71.9		Reading.....	96,671	78,961	58,601	21.7	34.6	
Camden.....	94,538	75,935	58,313	24.5	30.2		Scranton.....	139,867	102,036	75,215	27.3	35.6	
East Orange.....	34,371	21,566		59.8			Shenandoah borough.....	25,774	20,324	19,944	26.8	27.5	
Elizabeth.....	73,409	52,130	37,764	40.8	38.0		Wilkes-Barre.....	67,165	51,721	37,718	29.7	37.1	
Hoboken.....	70,341	59,364	38,640	18.3	35.0		Williamsport.....	31,860	28,757	27,132	10.8	6.0	
Jersey City.....	267,779	206,433	163,063	29.7	26.6		York.....	44,750	38,708	20,793	32.8	62.1	
Newark.....	347,469	216,070	181,330	41.2	35.3		<b>Rhode Island</b>						
Orange.....	29,630	21,441	18,844	22.7	28.1		Newport.....	27,149	22,441	19,457	21.0	15.3	
Passaic.....	37,176	27,727	13,028	67.2	113.2		Pawtucket.....	51,622	39,241	27,633	31.6	42.0	
Patterson.....	125,600	105,171	78,347	19.4	34.2		Providence.....	224,536	175,397	131,166	27.8	32.9	
Perth Amboy.....	32,121	17,699	9,512	81.5	86.1		Warwick.....	51,316	41,361	27,701	24.9	20.0	
Trenton.....	96,815	73,307	57,458	32.1	27.6		Woonsocket.....	38,125	28,204	20,830	35.2	35.4	
West Hoboken.....	35,408	29,994		53.3			<b>South Carolina</b>						
<b>New York</b>													
Albany.....	100,233	94,151	94,923	6.5	-0.8		Charleston.....	58,873	55,807	54,955	5.4	1.6	
Astoria.....	31,203	17,536	9,457	96.1	29.7		Columbia.....	26,219	21,108	15,353	24.9	37.5	
Auburn.....	34,668	30,345	25,858	14.2	17.4		<b>Tennessee</b>						
Binghamton.....	48,443	39,647	35,005	22.2	13.3		Chattanooga.....	44,604	30,154	29,100	47.9	3.6	
Buffalo.....	123,715	352,387	255,664	20.2	37.8		Knoxville.....	36,346	34,631	32,535	11.4	44.8	
Elmira.....	37,176	27,727	20,832	42.1	15.5		Memphis.....	117,105	104,220	64,496	28.1	58.6	
Jamestown.....	31,297	22,892	16,028	36.7	42.7		Nashville.....	110,364	80,865	76,108	36.5	6.2	
Kingston.....	25,908	24,535	21,261	5.6	15.4		<b>Texas</b>						
Mount Vernon.....	30,919	21,228	10,830	45.7	96.0		Austin.....	29,660	22,258	11,575	34.2	52.7	
New Rochelle.....	28,807	14,749	9,457	96.1	42.5		Dallas.....	92,104	42,658	38,067	116.0	12.0	
New York.....	4,766,883	3,347,202	2,307,414	38.7	37.1		El Paso.....	39,279	15,906	10,318	146.9	53.9	
Manhattan Borough.....	2,331,541	1,860,083	1,411,816	26.0	28.4		Fort Worth.....	73,312	26,688	10,076	174.7	15.7	
Brooklyn Borough.....	430,880	290,507	88,908	114.9	125.5		Galveston.....	36,981	37,780	28,084	-2.1	29.9	
Queens Borough.....	1,632,351	1,466,282	828,517	29.1	42.9		Houston.....	78,800	44,633	27,557	76.6	62.0	
Richmond Borough.....	284,041	152,869	67,660	87.6	75.8		San Antonio.....	96,614	53,321	37,673	81.2	41.5	
	85,969	67,021	61,693	28.3	29.7		Waco.....	26,425	20,686	14,445	27.7	43.2	

<sup>1</sup>A minus sign (—) denotes decrease.

<sup>2</sup>Population of New York and its boroughs as now constituted.

<sup>3</sup>Includes population of Allegheny: 1900, 129,896; 1890, 165,287.

POPULATION OF CITIES HAVING, IN 1910, 25,000 INHABITANTS OR MORE, WITH PER CENT OF INCREASE:  
1890-1910—Continued.

CITY.	POPULATION.			PER CENT OF INCREASE. <sup>1</sup>		CITY.	POPULATION.			PER CENT OF INCREASE. <sup>1</sup>	
	1910	1900	1890	1900-1910	1890-1900		1910	1900	1890	1900-1910	1890-1900
<b>Utah</b>						<b>West Virginia</b>					
Ogden.....	25,580	16,313	14,889	56.8	9.6	Huntington.....	31,161	11,923	10,108	161.4	18.0
Salt Lake City.....	92,777	53,531	44,943	73.3	19.4	Wheeling.....	41,641	38,878	34,322	7.1	12.6
<b>Virginia</b>						<b>Wisconsin</b>					
Lynchburg.....	29,494	18,891	19,709	56.1	-4.2	Green Bay.....	25,236	18,684	9,063	35.1	106.0
Norfolk.....	67,452	46,624	34,871	44.7	33.7	La Crosse.....	30,417	28,895	25,090	5.3	15.2
Pomperoy.....	35,190	17,427	13,208	90.5	31.3	Madison.....	25,531	19,104	11,426	33.2	42.7
Richmond.....	127,628	85,060	81,388	50.1	4.5	Milwaukee.....	373,837	283,315	204,468	31.0	24.5
Roanoke.....	34,574	21,495	16,159	62.2	33.0	Oshkosh.....	33,602	28,284	22,816	16.9	23.9
<b>Washington</b>						Racine.....	38,002	29,102	21,014	30.6	38.5
Seattle.....	237,194	80,671	42,837	194.0	88.3	Sheboygan.....	26,398	22,902	16,339	15.0	40.4
Spokane.....	104,402	36,848	19,922	183.3	85.0	Superior.....	40,384	31,661	11,983	29.9	159.5
Tacoma.....	83,743	37,714	36,006	122.0	4.7						

<sup>1</sup> A minus sign (—) denotes decrease.

### POPULATION OF PLACES HAVING, IN 1910, 2,500 INHABITANTS OR MORE: 1910, 1900, AND 1890.

[This table includes all incorporated places having 2,500 inhabitants or more in 1910, so far as they have been returned by the census enumerators separate from the townships, precincts, districts, etc., of which they form a part. It also includes all towns in New England which had a population of 2,500 or more in 1910.]

Table 28											
CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890
Alabama				Arkansas—Con.				California—Con.			
Alabama City town.....	4,313	5,276		Fort Smith city.....	23,975	11,587	11,311	Orange city.....	2,920	1,216	866
Annonis town.....	12,794	9,695	9,998	Helen city.....	8,772	5,550	5,189	Oroville city.....	3,559		
Attalla town.....	2,513	1,692	1,354	Hope city.....	3,639	1,644	1,937	Oxnard city.....	2,555		
Bessemer city.....	10,864	6,358	4,544	Hot Springs city.....	14,434	9,973	8,086	Palo Alto city.....	4,486	1,658	
Birmingham city.....	132,685	38,415	26,178	Jonesboro city.....	7,123	4,508	2,065	Pasadena city.....	30,291	9,117	4,882
Decatur city.....	4,228	3,114	2,765	Little Rock city.....	45,941	38,307	25,874	Petaluma city.....	5,880	3,871	3,692
Dobson city.....	7,016	3,275	247	Malvern town.....	2,778	1,582	1,520	Pomona city.....	10,207	5,526	3,634
Eufaula city.....	4,259	4,532	4,394	Marianna city.....	4,810	1,707	1,126	Porterville city.....	2,696		
Florence city.....	6,689	6,478	6,012	Mena town.....	3,953	3,423		Red Bluff city.....	3,530	2,750	2,608
Gadsden city.....	10,557	4,282	2,901	Newport town.....	3,557	2,866	1,571	Redding city.....	3,572	2,946	1,821
Girard city.....	4,214	3,840		Paragould city.....	5,248	3,324	1,666	Redlands city.....	10,449	4,797	1,904
Greenville city.....	3,377	3,162	2,806	Pine Bluff city.....	15,102	11,496	9,952	Redondo Beach city.....	2,935	855	603
Huntsville town.....	7,611	8,068	7,965	Prescott town.....	2,705	2,005	1,287	Richmond city.....	6,802		
Jasper town.....	2,569	1,661	750	Rogers town.....	2,820	2,158	1,265	Riverside city.....	15,212	7,973	4,683
Laurel town.....	3,820	2,909	777	Russellville city.....	2,936	1,832	1,321	Roseville city.....	2,608		
Mobile city.....	51,521	38,469	31,076	Stuttgart city.....	2,740	1,258	1,165	Sacramento city.....	44,696	29,282	26,386
Montgomery city.....	38,136	30,346	21,883	Texarkana city.....	5,635	4,914	3,828	Salinas city.....	3,736	3,304	2,339
New Decatur city.....	6,118	4,437	3,565	Van Buren city.....	3,878	2,573	2,291	San Bernardino city.....	17,779	6,150	4,012
Opelika city.....	4,734	4,245	3,703	California				San Diego city.....	39,378	17,700	16,159
Phenix City.....	4,555	4,163	3,700	Alameda city.....	23,383	16,464	11,165	San Francisco city.....	416,912	342,782	298,997
Selma city.....	13,649	8,713	7,622	Alhambra city.....	5,021	1,456	1,273	San Jose city.....	28,946	21,500	18,060
Sheffield city.....	4,865	3,333	2,731	Anaheim town.....	12,623	4,836	2,626	San Leandro city.....	3,471	2,253	
Talladega city.....	5,854	3,056	2,063	Bakersfield city.....	2,727	4,836	2,626	San Luis Obispo city.....	5,157	3,021	2,995
Troy city.....	4,961	4,097	3,449	Bekeley city.....	40,434	13,214	5,101	San Mateo city.....	4,384	1,832	2,960
Tuscaloosa city.....	8,407	5,094	4,215	Chicago city.....	3,750	2,640	2,894	San Rafael city.....	5,934	3,879	3,290
Tuscumbia city.....	3,324	2,348	2,491	Coalinga city.....	4,199			Santa Ana city.....	8,429	4,933	3,628
Tuskegee town.....	2,863	2,170	1,803	Colton city.....	3,950	1,285	1,315	Santa Barbara city.....	11,659	6,587	5,864
Union Springs town.....	4,055	2,634	2,049	Corona city.....	3,540	1,434		Santa Clara town.....	4,348	3,650	2,891
Arizona				Emeryville town.....	2,613	1,016	228	Santa Cruz city.....	11,146	5,659	5,596
Bisbee city.....	9,019			Eureka city.....	11,845	7,327	4,858	Santa Monica city.....	7,847	3,637	1,580
Clifton city.....	4,874			Fresno city.....	24,892	12,470	10,818	Santa Rosa city.....	7,817	6,673	5,220
Douglas city.....	6,437			Glendale city.....	2,746	4,719		South Pasadena city.....	4,649	1,001	623
Globe city.....	7,083			Grass Valley city.....	4,520	4,719		Stockton city.....	23,253	17,506	14,424
Nogales town.....	3,514	1,761	1,194	Hanford city.....	4,829	2,929	942	Tulare city.....	2,758	2,216	2,697
Phoenix city.....	11,134	5,544	3,152	Hayward town.....	2,746	1,965	1,419	Vallejo city.....	11,940	7,965	6,343
Prescott city.....	5,092	3,559	1,759	Lodi city.....	2,697			Ventura city.....	2,945	2,470	2,320
Tucson city.....	13,193	7,531	5,150	Long Beach city.....	17,809	2,232	864	Vishalia city.....	4,450	3,085	2,885
Yuma town.....	2,914			Long Beach city.....	319,188	102,479	50,395	Watsonville city.....	4,446	3,328	2,149
Arkansas				Marysville city.....	5,430	3,497	3,991	Whittier city.....	4,550	3,594	2,880
Argenta city.....	11,138			Milled city.....	3,102	1,969	2,009	Woodland city.....	3,157	2,386	3,069
Arkadelphia city.....	2,745	2,739	2,455	Mill Valley town.....	2,551						
Batesville city.....	3,399	2,327	2,150	Modesto city.....	4,034	2,024	2,402				
Blytheville town.....	3,849	302		Monrovia city.....	3,576	1,205	907				
Camden city.....	3,995	2,840	2,571	Monterey city.....	4,923	1,748	1,662				
Conway city.....	2,794	2,003	1,207	Napa city.....	5,791	4,036	4,395				
Ei Dorado city.....	3,222	1,069	455	Nevada City.....	2,689	3,250	2,524				
Elk Springs city.....	4,208	3,572	3,706	Oakland city.....	150,174	66,960	48,682				
Fayetteville city.....	4,471	4,961	2,942	Ocean Park city.....	3,119						
Forde city.....	2,794	1,710	980	Ontario city.....	4,274	722	683				

<sup>1</sup> Joint population of Texarkana city, Miller County, Ark., and Texarkana city, Bowie County, Tex.: 1910, 15,445; 1900, 10,170; 1890, 6,380.



[This table includes all incorporated places having 2,500 inhabitants or more in 1910, so far as they have been returned by the census enumerators separate from the townships, precincts, districts, etc., of which they form a part. It also includes all towns in New England which had a population of 2,500 or more in 1910.]

**Table 28—Con.**  
CITY, TOWN, VILLAGE,  
OR BOROUGH.

Table 28.—Con.				CITY, TOWN, VILLAGE, OR BOROUGH.				CITY, TOWN, VILLAGE, OR BOROUGH.				CITY, TOWN, VILLAGE, OR BOROUGH.			
1910				1900				1890				1910			
1900				1890				1910				1900			
1890				1910				1900				1890			
<b>Illinois.—Con.</b>				<b>Illinois.—Con.</b>				<b>Indiana.—Con.</b>				<b>Indiana.—Con.</b>			
Bloomington city	25,768	23,286	20,484	Monmouth city	9,128	7,460	5,936	Columbus city	8,813	8,180	6,719				
Blue Island village	8,043	6,114	3,329	Monmouth Park village	3,694	2,329	1,027	Connersville city	7,738	6,836	4,548				
Bridgeport city	2,703	487	474	Morris city	4,563	4,273	3,653	Crawfordsville city	9,371	6,649	6,089				
Bushnell city	2,619	2,490	2,314	Mound City	2,837	2,705		Crown Point town	2,526	2,336	1,907				
Calico city	14,548	12,566	10,324	Mount Carmel city	6,934	4,311	3,376	Decatur city	4,471	4,142	3,142				
Canton city	10,453	6,564	5,604	Mount Olive village	3,501	2,835	1,986	Dmrkirk city	3,631	3,187	1,025				
Carbondale city	5,411	3,318	2,382	Mount Vernon city	8,007	5,216	3,233	East Chicago city	19,698	3,411	1,251				
Carlinville city	3,616	3,592	3,293	Murphysboro city	7,485	6,463	3,880	Elkhart city	19,282	15,184	10,661				
Carmi city	2,853	2,909	2,785	Naperville city	9,539	9,289	9,285	Elwood city	11,028	12,950	5,284				
Carverville city	2,971	1,749	969	Normal town	4,024	3,795	3,459	Evansville city	69,647	59,007	50,796				
Centerville city	9,680	6,721	4,763	North Chicago city	3,306	1,150		Fairmont town	2,506	3,205	1,462				
Champaign city	12,421	9,098	5,839	Oak Park village	19,444			Fort Wayne city	63,993	45,115	35,303				
Charleston city	5,884	5,488	4,135	Olney city	5,011	2,960	3,831	Frankfort city	8,634	7,100	5,919				
Chicago city	2,185,283	1,698,575	1,069,850	Olatava city	9,533	10,483	9,885	Franklin city	4,502	4,005	3,781				
Chicago Heights city	14,525	5,100		Pana city	6,055	5,530	5,077	Garrett city	4,149	3,910	2,757				
Cicero town	14,557	16,310	10,204	Paris city	7,604	6,105	4,986	Gary city	16,862						
Clinton city	5,165	4,452	2,508	Paxton city	2,912	3,036	2,936	Gas City	3,224	3,622	1,453				
Coal City	2,667	2,607	1,672	Pekin city	9,897	8,420	6,347	Goshen city	8,214	7,810	6,033				
Cossville city	7,478	4,021	3,498	Peoria city	66,550	56,100	41,024	Greencastle city	3,790	3,661	4,390				
Danville city	27,871	16,354	11,491	Peru city	7,984	6,863	5,505	Greenfield city	4,448	4,489	3,100				
Decatur city	31,107	20,754	14,919	Petersburg city	2,387	2,807	2,342	Greensburg city	5,420	5,034	3,596				
Dekalb city	8,102	5,904	2,579	Pittsford city	2,357	2,257	2,396	Hammond city	20,925	12,376	5,428				
Dixon city	7														

<sup>1</sup> Joint population of Union City, Randolph County, Ind., and Union City village, Darke County, Ohio: 1910, 4,804; 1900, 3,998; 1890, 3,974.

## POPULATION OF PLACES HAVING, IN 1910, 2,500 INHABITANTS OR MORE: 1910, 1900, AND 1890—Continued.

[This table includes all incorporated places having 2,500 inhabitants or more in 1910, so far as they have been returned by the census enumerators separate from the townships, precincts, districts, etc., of which they form a part. It also includes all towns in New England which had a population of 2,500 or more in 1910.]

Table 28—Con.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890
<b>Iowa—Con.</b>				<b>Kansas—Con.</b>				<b>Louisiana—Con.</b>			
Belle Plaine city.....	3,121	3,253	2,623	Garden city.....	3,171	1,590	1,490	Kentwood town.....	3,609	1,313	.....
Boone city.....	10,347	8,880	6,520	Great Bend city.....	4,622	2,470	2,450	Lafayette city.....	6,392	3,314	2,106
Burlington city.....	24,324	23,201	22,965	Herington city.....	3,273	1,007	1,353	Lake Charles city.....	11,440	6,680	3,442
Carroll city.....	3,546	2,848	2,448	Hewitt city.....	2,841	2,829	2,486	Linden town.....	3,002	1,561	1,298
Cedar Falls city.....	5,012	5,319	3,459	Holton city.....	2,842	3,082	2,727	Monroe city.....	10,209	5,428	3,256
Cedar Rapids city.....	32,311	25,656	18,030	Horton city.....	3,600	3,398	3,316	Morgan City.....	5,477	2,332	2,291
Centerville city.....	6,106	5,226	3,668	Humboldt city.....	2,428	1,402	1,391	Natchitoches town.....	2,532	2,488	1,820
Chariton city.....	2,794	3,859	3,122	Hutchinson city.....	16,364	9,379	8,682	New Iberia city.....	7,599	5,615	3,447
Charles city.....	5,892	4,227	2,802	Independence city.....	10,480	4,851	3,127	New Orleans city.....	339,075	287,104	242,039
Cherokee city.....	4,854	3,865	3,441	Iola city.....	9,032	5,791	1,706	Opelousas town.....	4,023	2,961	1,572
Clarinda city.....	3,832	3,276	3,262	Junction city.....	5,598	4,695	4,502	Patterson town.....	2,988	3,590	3,222
Clinton city.....	25,577	22,698	13,619	Kansas City.....	82,331	51,418	38,316	Plaquemine town.....	4,955	3,590	3,222
Colfax city.....	2,524	2,053	957	Kingman city.....	2,570	1,785	2,399	Ruston town.....	3,377	1,324	767
Connell Rapids city.....	2,802	2,802	21,474	Larned city.....	2,911	1,583	1,861	Shreveport city.....	28,015	16,013	11,979
Cresco city.....	2,658	2,806	2,018	Lawrence city.....	12,374	10,862	9,997	Theboda town.....	3,824	3,253	2,078
Creston city.....	6,924	7,752	7,200	Leavenworth city.....	19,363	20,735	19,768	Winnfield town.....	2,925	.....	.....
De Smet city.....	43,028	33,251	26,872	Le Roy city.....	5,546	2,906	3,172	<b>Maine</b>			
Decorah city.....	3,592	3,236	2,801	Manhattan city.....	5,722	3,438	3,004	Auburn city.....	15,064	12,951	11,250
Denison city.....	3,133	2,771	1,782	Neodesha city.....	2,872	1,772	1,528	Bangor city.....	13,211	11,683	10,627
Des Moines city.....	86,368	62,139	50,093	Newton city.....	7,862	6,208	5,605	Bath city.....	24,803	21,850	19,193
Dubuque city.....	38,494	36,267	30,311	Olathe city.....	3,272	3,451	3,294	Belleville city.....	9,396	10,477	8,723
Eagle Grove city.....	3,357	3,557	1,881	Oswatimie city.....	4,046	4,191	2,662	Bellair city.....	4,618	4,615	5,294
Estherville city.....	3,404	3,255	1,475	Ottawa city.....	7,050	6,934	6,248	Belford city.....	17,079	16,145	14,443
Fairfield city.....	4,970	4,659	3,391	Paola city.....	3,207	3,144	2,943	Brewer city.....	5,697	4,835	4,193
Fort Dodge city.....	15,543	13,162	4,871	Parsons city.....	12,463	7,682	6,736	Bridgeton town.....	2,660	2,608	2,605
Fort Madison city.....	8,900	9,278	7,961	Pittsburg city.....	14,755	10,112	6,697	Brownsville town.....	6,521	6,806	6,012
Forest city.....	13,940	13,940	13,940	Platte city.....	3,270	3,270	2,276	Brunswick village.....	6,410	6,410	7,120
Grinnell city.....	5,036	3,830	3,332	Resdale city.....	5,960	6,074	6,149	Calais city.....	6,116	7,655	7,020
Hampton city.....	2,617	2,727	2,067	Salina city.....	9,688	6,074	6,149	Camden town.....	3,015	2,825	4,621
Harlan city.....	2,570	2,422	1,765	Topoka city.....	43,684	33,608	31,007	Caribou town.....	5,377	4,758	4,057
Independence city.....	3,517	3,656	3,163	Wellington city.....	7,034	4,245	4,391	Chelsea town.....	3,216	3,092	2,356
Indianola city.....	3,283	3,261	2,254	Wichita city.....	52,450	24,671	23,553	Dexter town.....	3,530	2,941	2,732
Iowa City.....	10,091	7,987	7,016	Winfield city.....	6,700	5,554	5,184	East Livermore town.....	2,641	2,129	1,506
Iowa Falls city.....	2,797	2,840	1,786	<b>Kentucky</b>				Eastport city.....	4,961	5,311	4,908
Keokuk city.....	14,008	14,611	14,101	Ashland city.....	8,688	8,800	4,195	Eden town.....	4,441	4,379	1,946
Knoxville city.....	3,190	3,131	2,632	Bellvue city.....	8,220	8,220	3,163	Ellsworth city.....	3,542	2,497	1,804
De Marc city.....	2,146	1,146	1,006	Bowling Green city.....	9,173	8,826	2,803	Fairfield village.....	4,433	3,578	3,040
Manchester city.....	2,758	2,887	2,341	Calatsburg city.....	3,520	3,051	1,374	Farmington town.....	3,210	3,288	3,207
Maquoketa city.....	3,570	3,777	3,077	Central City town.....	2,545	1,348	1,144	Fort Fairfield town.....	4,281	4,181	3,526
Marion city.....	4,400	4,102	3,094	Corbin town.....	2,589	1,544	1,229	Fort Kent town.....	2,826	2,826	1,826
Marshalltown city.....	13,374	11,541	8,914	Covington city.....	53,270	42,938	37,371	Gardiner city.....	5,311	5,501	5,491
Mason City.....	11,230	6,746	4,007	Cynthiana city.....	3,603	3,257	3,016	Gorham town.....	2,822	2,540	2,888
Missouri Valley city.....	3,187	4,010	2,797	Danville city.....	3,967	4,014	4,264	Hallowell city.....	2,864	2,714	3,181
Mount Pleasant city.....	8,274	10,109	11,544	Dayton city.....	6,979	6,104	4,264	Houlton town.....	5,845	4,686	4,015
Muscateine city.....	16,178	14,073	11,544	Earlington city.....	3,931	3,012	1,748	Jay town.....	2,987	2,758	1,541
Mystic town.....	2,663	1,758	875	Frankfort city.....	10,465	9,487	7,802	Kennecott town.....	3,099	3,228	3,172
Newton city.....	4,616	3,682	2,664	Franklin city.....	3,063	2,166	2,324	Kittery town.....	3,533	2,572	2,864
Oakwood city.....	6,028	5,142	830	Fulton town.....	2,575	2,860	1,818	Lewiston city.....	26,247	23,761	21,701
Oskaloosa city.....	9,466	9,212	6,558	Georgetown town.....	4,533	3,823	.....	Lisbon town.....	4,116	3,603	3,120
Ottumwa city.....	22,012	18,197	14,061	Harrodsburg city.....	3,147	2,876	3,230	Lubeck town.....	3,363	3,005	2,069
Pella city.....	3,021	2,623	2,408	Henderson city.....	11,452	10,272	8,835	Madison town.....	3,379	2,764	1,815
Perry city.....	4,630	3,996	2,830	Hickman town.....	2,736	1,589	1,682	Millinocket town.....	3,368	.....	.....
Red Oak city.....	4,830	4,355	3,321	Hopkinsville city.....	9,410	7,280	5,833	Milo town.....	2,556	1,150	1,029
Sheldon city.....	2,541	2,262	1,478	Lebanon city.....	3,077	3,043	2,816	Norway town.....	3,002	2,902	2,665
Shenandoah city.....	4,976	3,573	2,440	Lexington city.....	35,099	26,369	21,567	Old Town city.....	5,761	5,317	5,317
Sioux city.....	47,828	33,111	37,806	Louisville city.....	223,928	207,731	161,129	Orono town.....	3,555	3,257	2,790
Spencer city.....	2,003	1,405	1,343	Ludlow town.....	4,163	3,334	2,469	Paris town.....	3,436	3,235	3,916
Via Junction city.....	2,573	1,700	1,000	Madisonville city.....	4,966	3,628	2,212	Pittsfield town.....	2,891	2,891	2,503
Vinton city.....	3,336	3,499	2,865	Mayfield city.....	5,916	4,081	2,909	Portland city.....	58,571	50,145	36,425
Washington city.....	4,350	4,255	3,235	Maysville city.....	6,141	6,423	5,358	Presque Isle town.....	5,179	3,804	3,046
Waterloo city.....	26,093	12,580	6,674	Mayfield town.....	7,305	4,102	3,271	Presque Isle village.....	2,858	1,858	1,858
Waverly city.....	3,205	3,377	2,346	McKenzie city.....	2,732	2,046	1,094	Rockland city.....	8,174	8,180	8,174
Webster city.....	5,208	4,613	2,829	Mount Sterling city.....	3,932	3,561	3,629	Rumford Falls village.....	6,477	5,695	.....
Winchester city.....	2,518	3,039	2,281	Newport city.....	30,360	28,301	24,918	Saco city.....	6,583	6,122	6,075
<b>Kansas</b>				Nicholsville city.....	2,935	2,393	2,157	Sanford town.....	9,049	6,078	4,201
Abilene city.....	4,118	3,507	3,547	Owensboro city.....	16,011	13,189	9,837	Skowhegan town.....	5,341	5,180	5,068
Anthony city.....	2,668	1,179	1,906	Palmdale city.....	22,740	19,446	15,747	South Berwick town.....	2,933	3,188	3,434
Arkansas City.....	7,508	6,140	8,347	Paris city.....	5,859	4,003	4,218	South Portland city.....	7,461	6,287	.....
Atchison city.....	16,429	15,722	13,963	Princeton town.....	3,015	2,556	1,857	Van Buren town.....	3,073	1,678	1,168
Belleville city.....	3,682	2,339	2,455	Richmond city.....	5,340	4,653	5,073	Waldoboro town.....	2,656	3,145	3,505
Caney city.....	3,597	887	542	Russellville city.....	3,111	2,591	2,253	Waterbury city.....	11,438	9,477	7,107
Chanute city.....	9,272	4,208	2,326	Shelbyville city.....	3,412	3,016	2,679	Westbrook city.....	8,281	7,283	6,632
Cherryvale city.....	4,304	3,472	2,104	Somerset city.....	4,491	3,384	2,625	Wausau town.....	7,277	7,929	1,814
Clay Center city.....	3,438	3,069	2,102	Winchester city.....	7,116	5,964	4,519	York town.....	2,802	2,668	2,444
Colleyville city.....	12,687	4,953	2,282	<b>Louisiana</b>				<b>Maryland</b>			
Columbus city.....	3,064	2,310	2,160	Abbeville town.....	2,907	1,536	637	Annapolis city.....	8,609	8,525	7,604
Concordia city.....	4,415	3,401	3,184	Alexandria city.....	11,213	5,648	2,801	Baltimore city.....	558,485	508,957	434,439
Council Grove city.....	2,545	2,265	2,211	Baton Rouge city.....	14,897	11,269	1,692	Brantstower town.....	3,721	2,471	1,927
Dodge city.....	3,214	1,942	1,763	Covington town.....	2,601	1,265	976	Chesapeake town.....	6,407	5,447	4,192
Eldorado city.....	3,129	3,466	3,339	Crowley city.....	5,099	4,214	420	Christchurch town.....	2,735	3,008	2,632
Emporia city.....	9,068	8,223	7,551	Doddsonville town.....	4,090	4,105	3,121	<b>Maryland</b>			
Fort Scott city.....	10,463	10,322	11,946	Franklin town.....	3,857	2,692	2,127	.....	.....	.....	.....
Frederick city.....	3,640	1,656	1,515	Hammond town.....	2,942	1,514	1,191	.....	.....	.....	.....
Frontenac city.....	3,096	1,816	1,691	Hennepin town.....	5,024	3,219	1,250	.....	.....	.....	.....
Galena city.....	6,096	10,155	2,496	Jennings town.....	3,925	1,539	412	.....	.....	.....	.....



## POPULATION OF PLACES HAVING, IN 1910, 2,500 INHABITANTS OR MORE: 1910, 1900, AND 1890—Continued.

[This table includes all incorporated places having 2,500 inhabitants or more in 1910, so far as they have been returned by the census enumerators separate from the townships, precincts, districts, etc., of which they form a part. It also includes all towns in New England which had a population of 2,500 or more in 1910.]

Table 28—Con. CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890
<b>Maryland—Con.</b>				<b>Massachusetts—Con.</b>				<b>Michigan</b>			
Crisfield town.....	3,468	3,165	1,585	Manchester town.....	2,873	2,522	1,789	Adrian city.....	10,763	9,651	8,756
Cumberland city.....	21,839	17,128	12,729	Mansfield town.....	5,183	4,006	3,432	Albion city.....	6,833	4,519	3,703
Easton town.....	3,083	3,074	2,939	Marblehead town.....	7,338	7,582	8,202	Allegan city.....	3,419	2,667	2,669
Frederick city.....	10,411	9,296	8,193	Marlborough city.....	14,579	13,609	13,805	Alma city.....	2,757	2,337	1,655
Frostburg town.....	6,028	5,274	3,804	Maynard town.....	6,390	3,142	2,700	Alpena city.....	12,706	11,802	11,283
Hagerstown.....	16,507	13,591	10,118	Medford town.....	3,466	2,926	1,493	Ann Arbor city.....	14,817	14,569	9,431
Havre de Grace city.....	4,212	3,423	3,244	Medford city.....	23,150	18,244	11,079	Crystal Creek city.....	25,267	18,533	13,197
Salisbury town.....	6,680	4,377	2,965	Melway town.....	2,696	2,701	2,985	Bay City.....	45,166	27,638	27,539
Westernport town.....	2,702	1,908	1,536	Melrose city.....	15,715	12,962	8,519	Belding city.....	4,119	3,282	2,739
Westminster city.....	3,295	3,199	2,903	Methuen town.....	11,448	7,512	4,814	Benton Harbor city.....	9,185	6,562	3,692
<b>Massachusetts</b>				Middleborough town.....	8,214	6,885	6,005	Bessemer city.....	4,583	3,911	2,566
Abington town.....	5,455	4,489	4,260	Milford town.....	13,055	11,576	8,780	Big Rapids city.....	4,519	4,686	5,393
Adams town.....	13,026	11,134	9,213	Milbury town.....	4,740	4,400	4,428	Bozette city.....	5,218	912	450
Agawam town.....	3,301	2,536	1,134	Milton town.....	7,924	6,578	4,478	Cudville city.....	8,375	5,997	4,461
Amherst town.....	9,894	9,473	9,798	Monson town.....	4,758	3,402	3,650	Charlotte city.....	4,886	4,062	3,867
Amherst town.....	5,112	5,028	4,512	Montague town.....	6,866	6,150	6,296	Cheboygan city.....	6,859	6,489	6,235
Andover town.....	7,301	6,813	6,142	Nantucket town.....	2,962	3,006	3,268	Coldwater city.....	5,945	6,216	5,247
Arlington town.....	11,187	8,603	5,629	Natick town.....	9,568	9,488	9,118	Crystal Falls city.....	3,775	3,351	2,951
Athol town.....	8,536	7,661	6,319	Needham town.....	5,026	4,016	3,055	Detroit city.....	465,766	285,704	205,876
Attleborough town.....	16,215	11,335	7,577	New Bedford city.....	96,652	62,442	40,733	Dowagiac city.....	5,088	4,151	2,806
Ayer town.....	2,797	2,446	2,148	Newburyport city.....	14,949	14,478	17,947	East Jordan village.....	2,516	1,265	731
Barnstable town.....	4,676	4,364	4,023	Newton city.....	39,306	33,387	24,379	Escanaba city.....	13,194	9,549	6,808
Barre town.....	2,857	2,059	2,229	North Adams city.....	22,019	24,200	16,074	Flint city.....	38,550	13,103	9,803
Bellows Falls town.....	5,562	4,929	4,281	North Andover town.....	5,529	4,243	3,742	Gladstone city.....	4,211	3,380	1,347
Billerica city.....	2,789	2,775	2,380	North Attleborough town.....	9,562	7,253	6,727	Grand Haven city.....	5,856	4,743	5,023
Blackstone town.....	5,648	5,721	6,138	North Brookfield town.....	3,075	4,587	3,871	Grand Ledge city.....	2,893	2,161	1,666
Boston city.....	670,385	560,892	485,477	Northampton city.....	19,431	18,543	14,990	Grand Rapids city.....	112,571	87,565	60,278
Braintree town.....	8,066	5,981	4,848	Northbridge town.....	8,807	7,036	4,603	Greenville city.....	4,045	3,381	3,656
Bridgewater town.....	7,688	5,806	4,249	Norton town.....	2,544	1,826	1,705	Hamtramck village.....	5,770	5,290	5,176
Brockton city.....	56,878	40,063	27,294	Norwood town.....	8,014	5,480	3,733	Hancock city.....	8,981	4,650	1,772
Brookline town.....	27,792	19,935	12,103	Orange town.....	5,282	5,520	4,568	Hastings city.....	4,383	3,172	2,972
Cambridge city.....	104,839	91,886	70,028	Oxford town.....	3,361	2,677	2,616	Highland Park village.....	4,120	467	427
Canton town.....	4,797	4,384	4,338	Palmer town.....	8,610	7,801	6,520	Hillsdale city.....	5,001	4,151	3,915
Chatham town.....	5,010	3,984	2,695	Pembroke town.....	15,721	11,523	10,158	Holland city.....	10,490	7,790	3,945
Chelsea city.....	32,452	34,072	27,609	Pepperell town.....	2,953	3,701	3,127	Houghton village.....	5,113	3,359	2,062
Chicopee city.....	25,401	19,167	14,050	Pittsfield city.....	32,121	21,766	17,281	Ionia city.....	5,690	5,209	4,482
Clinton town.....	13,075	13,667	10,424	Plymouth town.....	12,141	9,392	7,342	Iron Mountain city.....	9,216	9,242	8,599
Cohasset town.....	2,585	2,759	2,448	Provincetown town.....	4,369	4,247	4,614	Ironwood city.....	12,821	9,705	7,745
Concord town.....	6,421	5,632	4,457	Quincy city.....	32,642	23,896	16,726	Ishtempening city.....	12,448	13,255	11,197
Danvers town.....	3,508	3,014	2,885	Randolph town.....	4,301	3,993	3,933	Jackson city.....	31,433	25,180	20,788
Dartmouth town.....	9,407	8,542	7,454	Reading town.....	5,818	4,969	4,088	Kalamazoo city.....	39,437	24,404	17,833
Dartmouth town.....	4,378	3,669	3,122	Revere town.....	18,219	10,395	5,668	Laingsburg city.....	31,229	16,485	13,102
Deerham town.....	3,461	3,263	1,996	Rockland town.....	6,928	5,327	5,213	Lapeer city.....	3,946	3,297	2,753
Dudley city.....	4,267	3,553	2,944	Rockport town.....	4,211	4,892	4,087	Laurium village.....	8,537	5,643	1,159
East Bridgewater town.....	3,363	3,025	2,911	Salem city.....	43,697	35,956	30,801	Ludington city.....	9,132	7,166	7,517
Easthampton town.....	8,524	5,603	4,205	Saugus town.....	8,047	5,084	3,673	Manistee city.....	12,381	14,260	12,812
Easton town.....	5,139	4,837	4,493	Somerset town.....	2,788	2,211	2,126	Manistowick city.....	4,722	4,126	2,940
Everett city.....	33,484	24,336	11,068	Somerville city.....	77,236	61,643	40,152	Marine city.....	5,720	3,829	3,268
Fairhaven town.....	5,122	3,567	2,919	Southbridge town.....	12,592	10,025	7,655	Marquette city.....	11,303	10,058	9,063
Fall River city.....	119,395	104,883	74,398	South Hadley town.....	4,894	4,526	4,261	Marshall city.....	4,236	4,370	3,968
Falmouth town.....	3,744	3,300	2,567	Spencer town.....	6,740	7,627	8,747	Menominee city.....	10,507	12,818	10,630
Fitchburg city.....	27,826	31,331	22,067	Springfield city.....	88,926	62,059	44,179	Midland city.....	2,527	2,363	2,277
Foxborough town.....	3,863	3,266	2,933	Stoneham town.....	7,080	6,197	6,155	Monroe city.....	6,803	5,043	5,258
Framingham town.....	12,948	11,302	9,239	Stoughton town.....	6,316	5,442	4,852	Mount Clemens city.....	7,707	6,576	4,748
Franklin town.....	5,641	5,017	4,831	Sutton town.....	3,078	3,328	3,180	Mount Pleasant city.....	3,972	3,662	2,701
Gardner town.....	14,699	10,813	8,424	Swampscott town.....	6,204	4,548	3,198	Munising village.....	2,952	2,014	1,626
Glochester city.....	24,398	26,121	24,651	Taunton city.....	34,259	31,036	25,448	Muskegon city.....	24,062	20,818	22,702
Grafton town.....	5,705	4,869	5,065	Templeton town.....	3,756	3,489	2,999	Negaunee city.....	8,460	6,935	6,078
Great Barrington town.....	10,426	8,834	4,612	Tewksbury town.....	3,750	3,683	2,515	Niles city.....	5,156	4,287	4,197
Greenfield town.....	9,527	7,927	5,252	Uxbridge town.....	4,671	3,599	3,408	Norway city.....	4,974	4,170	3,620
Greenwich town.....	3,923	3,208	2,922	Wakfield town.....	11,404	9,290	6,982	Onaway city.....	2,702	1,204	1,026
Haverhill city.....	44,115	37,175	27,412	Waldpole town.....	4,892	3,572	2,604	Oswego village.....	2,812	2,073	1,636
Hingham town.....	4,965	5,059	4,564	Ware town.....	27,481	23,481	18,007	Owosso city.....	6,629	6,686	5,564
Holbrook town.....	2,816	2,229	2,474	Wareham town.....	4,102	3,342	3,451	Petoskey city.....	4,778	5,285	2,872
Holliston town.....	2,711	2,598	2,619	Warren town.....	4,188	4,417	4,681	Pontiac city.....	14,532	9,769	6,300
Holyoke city.....	57,730	45,712	35,637	Watertown town.....	12,875	9,766	7,073	Port Huron city.....	18,863	19,175	13,543
Hudson town.....	6,743	5,454	4,670	Webster town.....	11,809	8,804	7,031	Red Jacket village.....	4,193	4,668	3,073
Hyde Park town.....	15,607	24,274	10,193	Wellesley town.....	5,413	5,072	4,087	River Rouge village.....	4,193	1,748	.....
Ipswich town.....	5,777	4,658	4,439	West Springfield town.....	9,224	7,105	5,057	Saginaw city.....	50,516	42,345	46,322
Lawrence city.....	55,862	62,559	44,654	Westborough town.....	5,446	5,400	5,195	St. Clair city.....	2,633	2,543	2,533
Lee town.....	4,106	3,596	2,785	Westfield town.....	16,044	12,310	9,586	St. Johns city.....	3,154	3,388	3,127
Leicester town.....	3,237	3,416	3,120	Westford town.....	2,831	2,624	2,280	St. Joseph city.....	5,936	5,155	3,733
Lenox town.....	3,060	2,942	2,889	Westport town.....	2,928	2,590	2,590	Sault Ste. Marie city.....	12,615	10,388	5,769
Leominster town.....	17,580	12,392	7,269	Weymouth town.....	12,885	11,324	9,007	South Haven city.....	5,277	4,009	1,924
Lexington town.....	4,918	3,831	3,197	Whitman town.....	7,292	6,155	4,441	Sturgis city.....	3,635	2,465	2,489
Lowell city.....	106,294	94,969	77,696	Williamstown town.....	3,708	5,013	4,221	Three Rivers city.....	5,072	3,550	3,331
Ludlow town.....	4,948	3,336	1,839	Winchendon town.....	5,678	5,001	4,390	Traverse City.....	12,115	9,407	4,833
Lyons city.....	55,729	51,313	35,322	Winchester town.....	9,309	7,248	4,861	Waukegan city.....	14,255	12,183	8,183
Malden city.....	44,044	33,664	23,031	Windsor town.....	10,132	6,088	2,725	Ypsilanti city.....	6,230	7,378	6,129
				Worcester city.....	145,986	118,421	84,656				

## POPULATION OF PLACES HAVING, IN 1910, 2,500 INHABITANTS OR MORE: 1910, 1900, AND 1890—Continued.

[This table includes all incorporated places having 2,500 inhabitants or more in 1910, so far as they have been returned by the census enumerators separate from the townships, precincts, districts, etc., of which they form a part. It also includes all towns in New England which had a population of 2,500 or more in 1910.]

Table 28—Con. CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890
<b>Minnesota</b>				<b>Missouri—Con.</b>				<b>Nebraska—Con.</b>			
Albert Lea city.....	6,192	4,509	3,305	Cape Girardeau city.....	8,475	4,815	4,297	Fremont city.....	8,718	7,241	6,747
Alexandria city.....	3,001	2,881	2,118	Carrollton city.....	3,452	3,854	3,878	Grand Island city.....	10,322	7,555	7,500
Anoka city.....	3,972	3,769	4,252	Carthage city.....	4,539	4,445	2,484	Hastings city.....	9,338	7,188	13,584
Austin city.....	6,960	5,474	3,901	Carthage city.....	9,483	9,416	7,981	Havelock village.....	2,680	1,480	
Bemidji city.....	5,099	2,183		Caruthersville city.....	3,655	2,315	2,300	Holdrege city.....	3,030	3,007	2,601
Brainerd city.....	8,526	7,524	5,703	Charleston city.....	3,144	1,893	1,381	Kearney city.....	6,202	5,634	8,074
Chisholm village.....	7,084			Chillicothe city.....	6,265	6,905	5,717	Lincoln city.....	43,973	40,169	55,154
Cloquet city.....	7,031	3,072	2,839	Union city.....	4,992	5,061	4,737	McCook city.....	3,765	2,445	2,346
Crookston city.....	7,559	5,559	3,457	Columbia city.....	9,662	5,651	4,000	Nebraska City.....	5,488	7,580	11,941
Detroit city.....	2,807			De Soto city.....	4,721	5,611	3,960	Norfolk city.....	6,025	3,883	3,038
Duluth city.....	78,466	52,969	33,115	Eldorado Springs city.....	2,593	2,137	1,543	North Platte city.....	4,793	3,640	3,055
East Grand Forks city.....	2,533	2,077	795	Excelsior Springs city.....	3,900	1,881	1,034	Omaha city.....	124,060	102,235	140,452
Ely city.....	3,572	3,717	901	Farmington city.....	2,613	1,778	1,394	Plattsmouth city.....	4,287	4,964	8,392
Eveth city.....	7,036	2,752		Fayette city.....	2,586	2,717	2,247	South Omaha city.....	26,259	36,001	8,862
Fairmont city.....	2,968	3,040	1,205	Festus city.....	2,556	1,256	1,335	University Place village.....	2,600	1,130	571
Fairbault city.....	9,001	7,868	6,520	Flat River city.....	5,112			Wymore city.....	3,213	2,626	2,420
Fergus Falls city.....	6,887	6,072	3,772	Fredericktown city.....	2,622	1,577	917	York city.....	6,235	5,132	3,405
Hastings city.....	3,883	3,811	3,705	Fulton city.....	5,238	12,883	4,914				
Hibbing village.....	8,832	2,481		Hannibal city.....	18,341	12,780	12,857	<b>Nevada</b>			
Lake City.....	3,142	2,744	2,128	Higginsville city.....	2,628	2,791	2,342	Reno city.....	10,867	4,500	3,563
Little Falls city.....	6,078	5,774	2,354	Independence city.....	9,859	6,974	6,380	Sparks city.....	2,500		
Livernie city.....	6,540	2,223	1,466	Jefferson city.....	11,850	9,664	6,742				
Mankato city.....	10,365	10,599	8,838	Joplin city.....	32,073	26,023	13,716	<b>New Hampshire</b>			
Melrose city.....	2,591	1,768	780	Kansas City.....	248,381	163,752	132,716	Berlin city.....	11,780	8,886	3,798
Minneapolis city.....	301,408	202,718	164,738	Kennett city.....	3,033	1,509	302	Claremont town.....	7,529	6,498	5,265
Montevideo city.....	3,056	2,146	1,437	Kirkwood city.....	6,347	5,966	3,510	Concord city.....	2,147	19,632	17,000
Moorhead city.....	3,540	3,730	2,088	Kirkwood city.....	4,171	2,825	1,777	Conway town.....	3,413	3,154	2,331
New Ulm city.....	5,048	5,433	3,741	Lexington city.....	5,242	4,190	4,537	Derry town.....	5,123	3,583	2,690
Northfield city.....	3,265	3,210	2,659	Liberty city.....	2,980	2,407	2,558				
Owatonna city.....	5,658	5,561	3,849	Louisiana city.....	4,454	5,131	5,090	Dover city.....	13,247	13,207	12,790
Red Wing city.....	9,048	7,535	6,294	Macon city.....	3,584	4,068	3,371	Exeter town.....	4,897	4,922	4,284
Richfield city.....	2,073			Maplewood city.....	4,876			Farmington town.....	2,621	2,265	3,064
Rochester city.....	7,844	6,843	5,321	Mareline city.....	3,920	2,638	1,977	Franklin city.....	6,132	5,846	4,085
St. Cloud city.....	10,660	8,663	7,686	Marshall city.....	4,699	5,086	4,297	Goffstown town.....	2,579	2,528	1,981
St. Paul city.....	214,744	165,065	132,156	Marysville city.....	4,702	4,577	4,037	Haverhill town.....	3,498	3,414	2,545
St. Peter city.....	4,176	4,302	3,671	Mexico city.....	5,939	5,099	4,789	Keene city.....	10,068	9,165	7,446
South St. Paul city.....	4,510	2,322	2,242	Moberly city.....	10,923	8,012	6,219	Lacoma city.....	10,183	8,042	6,143
Staples city.....	2,538	2,594	585	Mohegan city.....	4,177	3,115	1,655	Lancaster town.....	3,054	3,190	3,773
Thief River Falls city.....	10,188	12,315	11,260	Nashua city.....	12,801	7,725	2,198	Lebanon town.....	5,718	4,965	3,763
Two Harbors city.....	3,714	1,819	191	Nevada city.....	7,176	7,461	7,262	Littleton town.....	4,069	4,066	3,365
								Littleton village.....	8,669		
West Harbors city.....	4,960	3,278		Poplar Bluff city.....	6,916	4,321	2,917	Manchester city.....	70,063	56,987	44,126
Virginia city.....	10,473	2,962		Rich Hill city.....	2,755	4,053	4,008	Milford town.....	3,939	3,739	3,014
Wabasha city.....	2,622	2,528	2,487	Richmond city.....	6,364	3,478	2,805	Nashua city.....	26,005	23,898	19,311
Waseca city.....	3,064	3,103	2,482	St. Charles city.....	9,437	7,982	6,161	Newmarket town.....	3,348	2,892	2,742
				St. Joseph city.....	77,403	102,799	52,524	Newport town.....	3,765	3,126	2,623
West Minneapolis village.....	3,022	1,648		St. Louis city.....	687,029	575,238	451,770	Pembroke town.....	3,062	3,183	3,172
West St. Paul city.....	2,660	1,830	1,596	Sedalia city.....	17,822	15,231	14,068	Portsmouth city.....	11,269	10,637	9,827
Willmar city.....	4,135	3,408	1,855	Selma city.....	3,327	3,077	2,536	Rochester city.....	8,368	8,466	7,936
Winona city.....	18,883	10,714	18,208	Slater city.....	4,238	2,502	2,400	Somersworth city.....	6,704	7,023	6,207
								Walpole town.....	2,668	2,693	2,163
<b>Mississippi</b>				Springfield city.....	35,261	21,267	21,830	<b>New Jersey</b>			
Aberdeen city.....	3,708	3,434	3,449	Trenton city.....	5,656	5,596	5,030	Asbury Park city.....	10,150	4,148	
Bay St. Louis city.....	3,388	2,872	1,974	Warrensburg city.....	4,689	4,724	4,796	Atlantic City.....	46,150	27,838	13,065
Biloxi city.....	8,049	5,467	3,234	Washington city.....	3,670	3,015	2,725	Bayonne city.....	55,545	32,722	19,033
Brookhaven city.....	5,843	2,678	2,142	Webb City.....	11,817	9,201	5,433	Bloomfield town.....	15,070	9,668	
Canton city.....	3,929	3,404	2,131	Webster Groves city.....	7,080	1,886	1,783	Boniton town.....	4,930	3,901	
Chickasaw city.....	4,079	1,773	781	Wellston city.....	7,312			Bordentown city.....	4,250	4,110	4,232
Collins city.....	2,581			West Plains city.....	2,914	2,902	2,091	Bound Brook borough.....	14,270	2,622	1,462
Columbus city.....	8,988	6,484	4,559	<b>Montana</b>				Bridgeton city.....	3,909	13,913	11,424
Corinth city.....	5,030	3,661	2,111	Billings city.....	10,134	9,453	3,975	Burlington city.....	2,392	2,392	2,394
Crookston city.....	9,610	6,642	6,682	Bozeman city.....	10,061	9,221	8,621	Butte city.....	94,538	75,935	58,313
Greenwood city.....	5,836	3,026	1,055	Butte city.....	39,165	30,470	10,723	Carlsbad borough.....	3,807	2,574	1,549
Grenada city.....	2,814	2,568	2,416	Butte city.....	39,165	30,470	10,723	Cliffside Park borough.....	3,394	968	
Guilford city.....	6,386	1,060		Deer Lodge city.....	2,570	1,324	1,463	Collingswood borough.....	4,796	1,633	539
Hattiesburg city.....	11,733	4,175	1,172	Great Falls city.....	13,948	14,930	3,979	Dover town.....	7,468	5,938	
Jackson city.....	21,262	7,816	5,920	Haven town.....	3,624	1,033		East Newark borough.....	3,163	2,500	
Laurel city.....	8,465	3,192		Helena city.....	12,515	10,770	18,834	East Orange city.....	34,371	21,506	
McComb city.....	6,237	4,477	2,383	Lewistown city.....	2,992	1,096		Edgewater borough.....	2,655	1,006	
Meridian city.....	23,285	14,050	10,624	Livingson city.....	5,359	2,778	2,850	Edinburgh city.....	73,406	52,130	37,764
Moss Point city.....	3,064			Miles City.....	4,697	1,938	856	Englewood city.....	2,924	6,253	
Natchez city.....	11,791	12,210	10,101	Missoula city.....	12,869	4,366	3,420	Flemington village.....	2,693	2,145	1,977
Okolona city.....	2,584	2,177	2,099	Red Lodge city.....	4,860	2,152	624	Fort Lee borough.....	4,472		
Pascagoula city.....	3,379	708		<b>Nebraska</b>				Freehold town.....	3,323	2,934	2,932
Starkville city.....	2,698	1,986	1,725	Alliance city.....	3,105	2,535	829	Garfield borough.....	10,213	3,504	1,928
Tupelo city.....	3,881	2,118	1,477	Auburn city.....	2,769	2,664	1,537	Glen Ridge borough.....	3,162	1,960	
Vicksburg city.....	20,814	11,834	13,733	Aurora city.....	2,630	1,921	1,862	Gloster city.....	9,462	6,840	6,564
Water Valley city.....	4,275	3,813	2,832	Beatrice city.....	9,356	7,875	13,836	Guthrie town.....	5,647	3,825	1,947
Winona Point city.....	4,864	3,193	2,702	Benson city.....	3,170	570		Hackensack town.....	14,050	9,443	6,004
Winona city.....	2,512	2,455	1,648	Billings city.....	2,584	2,970	2,069	Hackettstown town.....	2,715	2,474	2,417
Yazoo city.....	6,796	4,944	3,286	Charlton city.....	2,687	1,465	1,867	Haddonfield borough.....	4,142	2,776	2,502
				Columbia city.....	5,014	3,522	3,134	Haledon borough.....	2,588		
<b>Missouri</b>				Fairbury city.....	5,294	3,140	2,630	Hammonton town.....	5,000	3,481	3,833
Aurora city.....	4,148	6,191	3,482	Falls City.....	3,255	3,022	2,102	Harrison town.....	14,498	10,596	8,338
Boonville city.....	4,252	4,377	1,141					Hawthorne borough.....	3,400	2,096	
Brookfield city.....	5,749	5,484	4,547					Hoboken city.....	70,324	59,364	45,648
Butler city.....	2,894	3,158	2,812								
Cameron city.....	2,980	2,979	2,917								

# POPULATION OF CITIES.

71

POPULATION OF PLACES HAVING, IN 1910, 2,500 INHABITANTS OR MORE: 1910, 1900, AND 1890—Continued.

[This table includes all incorporated places having 2,500 inhabitants or more in 1910, so far as they have been returned by the census enumerators separate from the townships, precincts, districts, etc., of which they form a part. It also includes all towns in New England which had a population of 2,500 or more in 1910.]

Table 28—Con. CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890
<b>New Jersey—Con.</b>				<b>New York—Con.</b>				<b>New York—Con.</b>			
Irvine town .....	11,877	5,255		Canton village .....	2,701	2,757	2,580	Nyaac village .....	4,619	4,275	4,111
Jersey City .....	267,779	206,433	163,003	Carthage village .....	3,563	3,895	2,278	Ogdenburg city .....	15,933	12,633	11,662
Kearny town .....	18,639	10,906		Catskill village .....	2,396	4,354	4,920	Olean city .....	14,743	9,462	7,353
Keyport borough .....	3,554	3,413	3,411	Clyde village .....	2,695	2,507	2,638	Oneida city .....	8,317	6,364	6,083
Lambertville city .....	4,657	4,637	4,142	Cohoes city .....	24,709	23,910	22,569	Oneonta city .....	9,491	7,147	6,272
Little Ferry borough .....	2,541	1,240	781	Cold Springs village .....	2,549	2,067		Ossining village .....	11,480	7,939	9,352
Lodi borough .....	4,138	1,917	998	Corning city .....	13,730	11,061	8,550	Oswego city .....	23,368	22,199	21,842
Long Branch city .....	13,298	8,872	7,231	Cornwall village .....	2,658	1,966	760	Owego village .....	4,633	5,039	
Madison borough .....	4,658	3,734	2,469	Cortland city .....	11,504	9,014	8,590	Patchogue village .....	3,824	2,926	
Millville city .....	12,451	10,583	10,602	Danville village .....	3,938	3,633	3,738	Peachkill village .....	15,245	10,358	9,676
Montclair town .....	21,550	13,962		Depew village .....	3,921	3,379		Penn Yan village .....	4,597	4,650	4,254
Morris town .....	12,507	11,267		Dobbs Ferry village .....	3,455	2,888	2,083	Perry village .....	4,383	7,763	1,528
New Brunswick city .....	23,388	20,006	18,028	Dolgeville village .....	2,685	1,915		Plattsburgh city .....	11,138	8,451	7,010
Newark city .....	347,469	246,070	181,830	Dunkirk city .....	17,221	11,616	9,416	Port Chester village .....	12,809	7,440	5,274
Newton town .....	4,467	4,376	3,003	East Aurora village .....	2,781	2,366	1,582	Port Jervis city .....	9,564	9,385	9,367
North Plainfield borough .....	6,117	5,009		East Syracuse village .....	3,274	2,509	2,231	Potsdam village .....	4,036	3,843	3,927
Nutley town .....	6,009			Ellenville village .....	3,114	2,879	2,881	Poughkeepsie city .....	27,936	24,029	22,206
Orange city .....	29,630	24,141	18,844	Elmira city .....	37,176	35,672	30,983	Rensselaer city .....	10,711	7,466	7,301
Passaic city .....	54,773	27,777	13,028	Elmira Heights village .....	2,732	1,763		Rochester city .....	218,149	162,608	135,896
Paterson city .....	125,600	105,171	78,347	Fairport village .....	3,112	2,489	2,552	Rockville Center village .....	3,667	1,884	
Perth Amboy city .....	32,121	17,699	9,512	Fishkill Landing village .....	3,902	3,673	3,617	Rome city .....	20,497	15,343	14,991
Phillipsburg town .....	13,903	10,052	8,644	Fort Edward village .....	3,762	3,521		Rye village .....	3,964		
Plainfield city .....	20,550	15,369	11,267	Fort Plain village .....	2,762	2,444	2,664	Sag Harbor village .....	3,408	1,969	
Pleasantville borough .....	4,390	2,182		Frankfort village .....	3,303	2,064	2,291	Sat. Johnsville village .....	2,536	1,873	1,263
Princeton borough .....	5,136	3,899	3,422	Fredonia village .....	5,285	4,127	3,399	Salamanca village .....	5,792	4,251	3,692
Prospect Park borough .....	2,719			Freeport village .....	4,836	2,612		Saranac Lake village .....	4,983	2,594	768
Rahway city .....	9,337	7,935	7,105	Fulton city .....	10,480	18,206	16,035	Saratoga Springs village .....			
Raritan town .....	3,672	3,244	2,556	Geneva city .....	12,446	10,433	7,557	Saratoga Springs village .....	12,693	12,409	11,975
Red Bank borough .....	7,388	5,428	4,145	Glens Falls city .....	15,243	12,613	9,449	Saugerties village .....	14,929	3,697	
Ridgewood village .....	5,416	2,685	1,047	Gloversville city .....	20,442	18,349	13,864	Schenectady city .....	72,826	31,682	19,902
Roosevelt borough .....	5,786			Goshen village .....	3,081	2,826	2,907	Scotia village .....	2,957		
Roselle borough .....	2,725	1,652	996	Gouverneur village .....	4,128	3,689	3,458	Seneca Falls village .....	6,588	6,519	6,116
Roselle Park borough .....	3,138			Granville village .....	3,920	2,700		Sinclair village .....	2,507	2,331	1,358
Rutherford borough .....	7,045	4,411	2,293	Green Island village .....	4,737	4,770	4,463	Silver Creek village .....	2,512	1,944	1,678
Salem city .....	6,614	5,511	5,516	Greenport village .....	3,089	3,366		Solvay village .....	5,139	3,493	563
Seaacres borough .....	4,740	1,626		Hastings-upon-Hudson village .....	4,552	2,062	1,466	Southampton village .....	2,569	2,288	
Somerville borough .....	5,060	4,843	3,861	Haverstraw village .....	5,669	5,935	5,070	Suffern village .....	2,663	1,619	
South Amboy city .....	7,007	6,349	4,330	Hempstead village .....	4,964	5,582	4,831	Syracuse city .....	137,249	108,377	88,143
South Orange village .....	6,014	4,088	3,106	Herkimer village .....	7,520	5,555		Tarrytown village .....	5,600	4,774	3,592
South River borough .....	4,772	2,792	1,796	Homer village .....	2,695	2,381		Tonawanda city .....	8,290	7,421	7,145
Summit city .....	7,590	5,202		Hoosick Falls village .....	5,532	5,671	7,014	Troy city .....	76,813	60,651	60,956
Tenafly borough .....	2,756	1,746	1,046	Hornell city .....	13,617	11,918	10,996	Truckee village .....	2,722		
Trenton city .....	96,815	73,307	57,458	Hudson city .....	11,417	9,528	9,970	Upper Lake village .....	3,067		
Union town .....	21,023	15,187	10,643	Hudson Falls village .....	5,189	4,473	2,895	Utica city .....	74,419	56,383	44,007
Vineland borough .....	5,282	4,370	3,822	Hill town .....	6,588	5,138	4,057	Walden village .....	4,004	3,147	2,132
Wallington borough .....	3,448	1,812		Ithaca city .....	14,802	13,136	11,079	Walton village .....	3,103	2,181	2,299
Washington borough .....	3,567	3,580	2,831	Jamestown city .....	31,297	22,892	10,038	Wappingers Falls village .....	3,195	3,594	3,718
West Hoboken town .....	35,403	23,094		Johnstown city .....	10,447	10,130	7,768	Warsaw village .....	3,206	3,048	3,120
West New York town .....	13,540	5,267		Kingston city .....	25,908	24,535	21,261	Waterford village .....	3,245	3,146	
West Orange town .....	10,980	6,889		Lackawanna city .....	14,549			Waterloo village .....	3,931	4,256	4,350
Westfield town .....	6,420			Laconia city .....	4,364	3,750	1,692	Watertown city .....	26,730	21,096	14,725
Wharton borough .....	2,983	2,069		Leroy village .....	3,771	3,144	2,743	Watervliet city .....	15,074	14,321	12,967
Woodbury city .....	4,462	4,087	3,911	Lestershire village .....	3,775	3,111		Watkins village .....	2,817	2,943	2,604
<b>New Mexico</b>				Little Falls city .....	12,273	10,381	8,783	Waverly village .....	4,835	4,466	4,123
Albuquerque city .....	11,020			Lockport city .....	17,970	16,381	16,038	Wellsville village .....	4,382	3,556	3,435
Clovis city .....	3,253	6,238	3,785	Lovell village .....	2,940	2,352	2,511	Westfield village .....	2,985	2,490	1,983
Las Cruces town .....	3,836			Lyons village .....	4,440	4,300	4,475	White Plains village .....	15,940	7,899	4,042
Las Vegas city (East Las Vegas P. O.) .....	3,755	3,532	2,312	Malone village .....	5,825	4,825	4,861	Whitehall village .....	4,417	4,777	4,434
Las Vegas town .....	3,755	3,287	2,312	Mamaroneck village .....	5,699			Yonkers city .....	79,803	47,931	32,003
Raton city .....	4,539	3,540	1,285	Massena village .....	2,951	2,032	1,049	<b>North Carolina</b>			
Roswell city .....	4,129	2,049	343	Mattawana village .....	6,727	5,807	4,278	Asheville city .....	15,762	14,694	10,235
Santa Fe city .....	5,072	5,603	6,185	Medina village .....	6,634	4,695	2,679	Asheville town .....	2,863	383	
Silver City .....	3,217	2,735	2,102	Medina village .....	5,683	4,716	4,492	Bethlehem city .....	4,808		1,716
Tucuman city .....	2,526			Middletown city .....	15,313	14,522	11,977	Burlington city .....	34,014	18,691	11,557
<b>New York</b>				Mount Kisco village .....	2,802	1,346	1,083	Concord city .....	8,715	7,910	4,339
Albany city .....	100,253	94,151	94,923	Mount Morris village .....	2,782	2,410	2,286	Durham city .....	18,241	6,679	5,485
Albany village .....	5,016	4,477	4,586	Mount Vernon city .....	30,919	21,228	10,830	Edenton town .....	2,789	3,046	2,205
Amityville village .....	2,517	2,038	2,233	New Rochelle city .....	28,867	14,720	9,037	Elizabeth city town .....	8,412	6,348	3,251
Amsterdam city .....	31,267	20,929	17,336	New York City .....	4,766,883	3,437,202	2,507,414	Fayetteville town .....	7,045	4,670	4,222
Auburn city .....	34,068	30,345	25,588	Manhattan Borough .....	2,391,618	1,850,093	1,411,216	Gastonia town .....	5,759	5,610	1,083
Babylon town .....	2,600	2,157		Brooklyn Borough .....	459,880	390,507	338,908	Goldboro city .....	6,107	5,877	4,017
Baldwinsville village .....	3,099	2,902	3,040	Brooklyn Borough .....	1,635,351	1,196,682	888,512	Graham town .....	2,504	2,052	991
Baldwin Spa village .....	4,138	3,923	3,527	Richmond Borough .....	85,969	67,021	61,693	Greensboro city .....	15,895	10,035	3,317
Batavia village .....	11,613	9,180	7,221	Queens Borough .....	284,011	152,999	87,050	Greenville town .....	4,101	2,565	1,937
Bath village .....	3,884	4,994	3,261	Newark village .....	6,227	4,578	3,698	Henderson town .....	4,503	3,746	4,191
Binghamton city .....	48,443	39,477	35,005	Newburgh city .....	27,405	24,943	23,087	Hendersonville town .....	2,818	1,917	1,216
Brookport village .....	2,389	3,338	3,742	Niagara Falls city .....	30,345	19,457		Hickory town .....	3,716	2,535	2,023
Buffalo city .....	423,715	352,387	255,664	North Tarrytown vil- .....	5,421	4,241	3,179	High Point city .....	9,525	4,163	
Canandaigua village .....	7,217	6,151	5,868	North Tonawanda city .....	11,955	9,069	4,793	Kinston town .....	6,995	4,106	1,726
Canastota village .....	3,247	3,030	2,774	Norwich village .....	7,422	5,766	5,212	Lenoir town .....	3,364	1,296	673

<sup>1</sup> Includes population of Oswego Falls village: 1900, 2,925; 1890, 1,821.

<sup>2</sup> Population of New York and its boroughs as now constituted.

## POPULATION OF PLACES HAVING, IN 1910, 2,500 INHABITANTS OR MORE: 1910, 1900, AND 1890—Continued.

[This table includes all incorporated places having 2,500 inhabitants or more in 1910, so far as they have been returned by the census enumerators separate from the townships, precincts, districts, etc., of which they form a part. It also includes all towns in New England which had a population of 2,500 or more in 1910.]

Table 28—Con.				CITY, TOWN, VILLAGE, OR BOROUGH.				CITY, TOWN, VILLAGE, OR BOROUGH.			
	1910	1900	1890		1910	1900	1890		1910	1900	1890
<b>North Carolina—Con.</b>				<b>Ohio—Con.</b>				<b>Ohio—Con.</b>			
Lexington town.....	4,163	1,234	1,440	Elyria city.....	14,825	8,791	5,611	Wadsworth village.....	3,073	1,764	1,574
Monroe city.....	4,082	2,427	1,866	Findlay city.....	14,858	17,613	18,553	Wapakoneta city.....	5,349	3,515	3,616
Mooresville town.....	3,400	1,333	856	Fostoria city.....	9,597	7,730	7,070	Warren city.....	11,081	8,929	5,973
Morganton town.....	2,712	1,938	1,557	Franklin village.....	2,531	2,729	2,724	Washington Court House city.....	7,277	5,751	5,742
Mount Airy town.....	3,844	2,680	1,708	Fremont city.....	9,939	8,439	7,141	Wauson village.....	2,650	2,148	2,060
Newbern city.....	9,961	9,090	7,843	Gallion city.....	7,214	7,282	6,326	Wellston city.....	6,875	8,045	4,377
Oxford town.....	3,018	2,059	2,907	Garfield village.....	3,560	5,432	4,498	Wesleyville city.....	7,769	6,146	4,247
Raleigh city.....	19,218	13,643	12,678	Glenview village.....	3,736	2,630	.....	Winnington village.....	4,491	3,613	3,079
Ridgeway town.....	4,828	3,262	2,968	Greenfield village.....	2,527	2,155	.....	Woodfield village.....	2,502	1,801	1,931
Rocky Mount town.....	8,051	2,937	816	Greenville city.....	6,237	5,501	5,473	Wooster city.....	6,136	6,063	5,901
Salem town.....	5,533	3,642	2,711	Hamilton city.....	35,279	23,914	17,565	Xenia city.....	8,706	8,696	7,301
Salisbury city.....	7,153	6,277	4,418	Hartsville village.....	2,823	1,833	1,507	Youngstown city.....	79,066	44,885	33,220
Shelby town.....	3,127	1,874	1,394	Hillsboro village.....	4,246	3,620	3,620	Zanesville city.....	28,026	23,538	21,009
Statesville city.....	4,599	3,141	2,318	Ironton city.....	13,147	11,868	10,399				
Taber town.....	4,129	2,499	1,924	Jackson city.....	5,468	4,672	4,320				
Thomasville town.....	3,877	751	590	Kent village.....	4,488	4,541	5,501				
Washington city.....	6,211	4,842	3,545	Kenton city.....	7,185	6,852	5,557	Ada city.....	4,349	3,257	.....
Wilmington city.....	25,748	20,976	20,056	Lakewood city.....	15,181	3,355	.....	Altus city.....	4,821	1,927	.....
Wilson town.....	6,717	3,525	2,126	Lancaster city.....	13,093	8,991	7,555	Alva city.....	3,068	2,800	1,499
Winston city.....	17,167	10,008	8,018	Lebanon village.....	2,698	2,867	3,050	Anadarko city.....	5,439	2,190	.....
				Lebanon village.....	2,698	2,867	3,050	Ardmore city.....	8,618	8,759	5,681
<b>North Dakota</b>				Leonia village.....	2,065	2,744	2,826	Barleesville city.....	6,181	4,215	698
Bismarck city.....	5,443	3,319	2,186	Lima city.....	30,508	21,723	15,981	Blackwell city.....	3,266	2,644	2,283
Devils Lake city.....	5,157	1,729	846	Litchville village.....	3,084	3,330	2,278	Chickasha city.....	10,320	7,862	3,209
Dickinson city.....	3,678	2,076	897	Lockland village.....	3,439	2,695	2,474	Claremore city.....	2,860	2,064	855
Fargo city.....	14,331	9,589	5,664	Logan village.....	4,850	3,490	3,119	Clinton city.....	2,781	1,278	.....
Grand Forks city.....	12,478	7,652	4,979	London village.....	3,541	3,530	3,463	Coalgate city.....	3,255	2,921	2,614
Jamestown city.....	4,358	2,853	2,296	Lorain city.....	16,028	8,313	8,313	Durant city.....	5,330	4,510	2,969
Mandan city.....	3,878	1,658	1,328	Madisonville city.....	5,193	3,140	2,214	El Reno city.....	7,872	5,370	3,383
Minot city.....	6,183	1,277	575	Manfield city.....	20,768	17,640	13,473	Elk City.....	3,165	2,195	.....
Valley City.....	4,606	2,446	1,080	Marietta city.....	12,923	13,348	8,273	Enid city.....	15,759	10,087	3,444
Williston city.....	3,124	763	295	Marion city.....	18,232	11,862	8,327	Frederick city.....	3,027	2,036	.....
				Martins Ferry city.....	9,133	7,770	6,250	Guthrie city.....	11,654	11,652	10,006
<b>Ohio</b>				Marysville village.....	4,576	3,048	2,810	Hartshorne city.....	2,963	2,435	2,532
Akron city.....	69,067	42,728	27,601	Massillon city.....	13,879	11,944	10,092	Hobart city.....	3,845	3,136	.....
Alliance city.....	15,083	8,974	7,607	Medina village.....	2,734	2,232	2,073	Hugo city.....	4,582	2,676	.....
Ashtabula city.....	6,795	4,087	3,566	Medina village.....	2,734	2,232	2,073	Kingsley city.....	2,538	2,214	2,301
Ashtabula city.....	18,206	12,949	8,338	Minamistown village.....	4,271	3,941	2,452	Krebs city.....	2,884	1,508	.....
Athens city.....	5,463	3,066	2,620	Middleport village.....	3,194	2,799	3,211	Lawton city.....	7,788	5,562	.....
Barberton city.....	9,410	4,354	2,544	Middletown city.....	13,152	9,215	7,681	McAlester city.....	12,954	8,144	4,125
Barnesville village.....	4,233	3,721	3,207	Mingo Junction village.....	4,049	2,954	1,856	Mangum city.....	5,067	2,672	.....
Bellevue city.....	12,946	9,912	9,934	Montpelier village.....	2,759	1,869	1,293	Miami city.....	2,907	1,893	1,527
Bellefontaine city.....	8,238	6,649	4,245	Mount Vernon city.....	9,687	6,533	6,027	Miami city.....	2,907	1,893	1,527
Bellevue city.....	5,209	4,101	3,082	Marysville village.....	4,576	3,048	2,810	Norman city.....	3,724	3,040	2,223
Berea village.....	2,609	2,510	2,533	Nelsonville city.....	6,062	5,421	4,558	Nowata city.....	3,672	2,223	498
Bowling Green city.....	5,222	5,067	3,467	New Comerstown village.....	2,943	2,659	1,251	Oklaoma City.....	64,205	32,452	10,037
Bridgeport village.....	3,974	3,963	3,369	New Lexington village.....	2,559	1,701	1,470	Okmulgee city.....	4,176	2,322	.....
Bryan village.....	3,641	3,131	2,507	New Philadelphia city.....	8,512	6,213	4,456	Okmulgee city.....	2,689	2,157	1,467
Bucyrus city.....	8,122	6,500	5,974	Newark city.....	26,494	18,157	14,270	Pawhuska city.....	2,770	2,408	.....
Byesville village.....	1,156	1,267	789	Newburgh city.....	5,813	5,909	.....	Perry city.....	3,133	2,881	3,351
Cambridge city.....	13,327	8,241	4,361	Niles city.....	5,861	7,468	4,289	Ponca city.....	2,521	2,529	2,528
Canal Dover city.....	6,621	5,422	3,470	North Baltimore village.....	2,503	3,561	2,857	Portell city.....	2,740	2,553	2,277
Canton city.....	50,217	30,667	26,189	Norwalk city.....	7,858	7,074	7,195	Poplar city.....	8,283	4,259	891
Carthage village.....	3,618	2,559	2,257	Norwood city.....	46,185	6,480	.....	Shawnee city.....	12,474	10,955	3,462
Cellina village.....	3,493	2,815	2,702	Oberlin village.....	4,365	4,082	4,376	Stillwater city.....	3,444	2,577	2,431
Chicago Junction village.....	2,950	2,348	1,299	Orville village.....	3,101	1,901	1,765	Sulphur city.....	3,684	2,935	1,196
Chillicothe city.....	14,508	12,376	11,258	Painesville city.....	5,501	5,024	4,755	Tallapoosa city.....	2,831	1,916	1,482
Cincinnati city.....	363,591	325,902	296,908	Piqua city.....	13,388	12,172	9,790	Tulsa city.....	18,182	7,298	1,890
Circleville city.....	6,744	6,991	6,556	Pomeroy village.....	4,023	4,639	4,026	Vinita city.....	4,682	3,157	2,379
Cleveland city.....	560,663	381,768	261,353	Port Clinton village.....	2,450	2,969	2,969	Wagoner city.....	4,018	2,650	2,832
Cleveland Heights village.....	2,955	2,515	2,307	Portsmouth city.....	23,481	17,870	12,394	Wauka city.....	2,928	696	.....
Clyde village.....	2,955	2,515	2,307	Ravenna city.....	5,310	4,603	3,417	Woodward city.....	2,696	2,018	.....
Columbus city.....	181,511	125,506	88,150	Reading village.....	3,985	3,076	.....				
Conneaut city.....	8,319	7,133	3,241	Reokport village.....	3,179	2,038	.....				
Coshocton city.....	9,603	6,473	3,672	St. Bernard city.....	5,062	3,384	1,779	Albany city.....	4,275	3,149	3,079
Crestline village.....	3,807	3,282	2,911	St. Marys city.....	5,732	5,359	3,000	Ashtabula city.....	5,020	2,634	1,784
Crooksville village.....	3,028	835	.....	Salem city.....	8,943	7,584	5,780	Baker City.....	6,742	6,663	2,604
Cuyahoga Falls village.....	4,020	3,186	2,614	Sandusky city.....	19,989	19,664	18,471	Corvallis city.....	4,552	1,917	1,527
Dayton city.....	116,577	85,333	61,220	Schererville village.....	4,903	4,683	1,977	Eugene city.....	9,009	3,236	.....
Defiance city.....	7,327	7,579	7,694	Sidney city.....	6,607	5,688	4,850	Grants Pass city.....	3,897	2,290	1,432
Delaware city.....	9,076	7,940	8,224	Springfield city.....	46,921	38,253	31,895	Klamath Falls town.....	2,758	2,447	364
Delphos city.....	5,608	4,417	4,545	Stenheville city.....	22,391	14,349	13,394	La Grande city.....	4,543	2,991	2,583
Denison village.....	4,008	3,763	2,925	Struthers village.....	3,370	.....	.....	Marshfield town.....	2,980	1,391	1,461
East Cleveland city.....	9,179	2,757	.....	Tiffin city.....	11,894	10,989	10,801	Medford city.....	8,840	1,791	967
East Liverpool city.....	20,387	16,485	10,956	Toledo city.....	108,497	131,822	81,434	Oregon City.....	4,287	3,494	3,062
East Palestine village.....	3,537	2,493	1,816	Toronto village.....	4,271	3,526	2,536	Pendleton city.....	4,460	4,406	2,506
East Youngstown village.....	4,972	.....	2,994	Troy city.....	6,122	5,881	4,494	Portland city.....	207,214	90,426	46,385
Edon village.....	4,185	.....	.....	Urichville village.....	4,751	5,882	3,842	Roseburg city.....	4,738	1,690	1,472
Elmwood Place village.....	3,423	2,532	.....	Upper Sandusky village.....	3,779	3,355	3,672	St. Johns city.....	4,872	.....	.....
				Van Wert city.....	7,739	6,519	6,422	Union city.....	14,018	6,201	.....
					7,157	6,422	5,512	The Dalles city.....	4,880	3,542	3,029

<sup>1</sup> Figures for census of 1910, special census of 1907, and census of 1900 used.

## POPULATION OF PLACES HAVING, IN 1910, 2,500 INHABITANTS OR MORE: 1910, 1900, AND 1890—Continued.

(This table includes all incorporated places having 2,500 inhabitants or more in 1910, so far as they have been returned by the census enumerators separate from the townships, precincts, districts, etc., of which they form a part. It also includes all towns in New England which had a population of 2,500 or more in 1910.)

CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890
<b>Pennsylvania</b>				<b>Pennsylvania—Con.</b>				<b>Pennsylvania—Con.</b>			
Allentown city.....	51,913	35,416	25,228	Erie city.....	66,525	52,733	40,694	New Brighton borough.....	8,329	6,830	5,616
Allentown city.....	52,127	38,973	30,337	Etta borough.....	5,830	5,384	3,767	New Castle city.....	36,280	23,339	11,600
Amber borough.....	2,649	1,884	1,073	Exeter borough.....	3,537	1,948	790	New Kensington borough.....	7,707	4,665	.....
Ambridge borough.....	5,205	.....	.....	Forest City borough.....	4,850	2,870	.....	New Philadelphia borough.....	2,512	1,326	562
Apollo borough.....	3,006	2,924	2,166	Forest City borough.....	5,749	4,279	2,319	Norristown borough.....	27,875	22,265	19,791
Archbald borough.....	7,194	5,396	4,032	Frackville borough.....	3,118	2,594	2,520	North Braddock borough.....	11,824	6,535	.....
Ashtabula borough.....	6,855	6,438	7,346	Franklin city.....	9,767	7,317	6,221	North East borough.....	2,672	2,068	1,538
Ashley borough.....	5,001	4,046	3,192	Greensburg borough.....	2,684	1,753	704	Northampton borough.....	8,729	.....	.....
Aspinwall borough.....	2,592	1,251	.....	Greeland borough.....	6,197	5,254	1,730	Northumberland borough.....	3,517	2,748	2,744
Athens borough.....	3,796	3,749	3,274	Galeta borough.....	4,027	2,415	.....	Oakmont borough.....	3,436	2,323	1,678
Austin borough.....	2,941	2,300	1,679	Gallatin borough.....	3,504	2,750	2,392	Oil City.....	15,657	13,264	10,932
Avon borough.....	4,317	2,130	804	Gettysburg borough.....	4,030	3,495	3,221	Old Forge borough.....	11,324	5,630	.....
Avoca borough.....	4,634	3,487	3,031	Gilberton borough.....	5,401	4,373	3,687	Olyphant borough.....	8,505	6,180	4,083
Bangor borough.....	5,369	4,106	2,509	Girardville borough.....	4,396	3,666	3,584	Parkesburg borough.....	2,522	1,788	1,514
Barnesboro borough.....	3,535	1,482	.....	Glassport borough.....	5,540	.....	.....	Parasburg borough.....	2,578	1,791	516
Beaver borough.....	3,456	2,348	1,552	Greater Pottsville borough.....	9,058	2,746	2,194	Parsons borough.....	4,338	2,529	2,412
Beaver Falls borough.....	12,191	10,654	9,735	Greensburg borough.....	13,012	6,508	4,202	Patton borough.....	3,907	2,651	.....
Bellefonte borough.....	4,145	4,216	3,946	Greenville borough.....	5,909	4,814	3,674	Perkasie borough.....	3,967	2,784	2,108
Bellvue borough.....	6,322	3,416	1,418	Grove City borough.....	3,674	1,599	1,160	Perkasie borough.....	2,779	1,803	458
Berwick borough.....	5,357	3,916	2,701	Hanover borough.....	7,057	5,302	3,746	Philadelphia city.....	1,549,008	1,293,697	1,046,964
Bethlehem borough.....	12,837	10,758	9,821	Harrisburg city.....	64,186	50,167	39,355	Phoenixville borough.....	3,585	3,266	3,245
Birdsboro borough.....	2,930	2,204	2,261	Hazleton city.....	25,452	14,230	11,872	Philomath borough.....	10,743	9,196	8,514
Blairsville borough.....	3,572	3,386	3,126	Holidaysville borough.....	3,734	2,998	2,975	Pittsburg city.....	4,975	2,601	.....
Blakeley borough.....	5,345	3,915	2,452	Honesdale borough.....	18,713	12,554	7,911	Pittsburgh city.....	533,905	451,512	343,904
Blommsburg town.....	7,413	6,170	4,635	Honesdale borough.....	2,943	2,864	2,816	Pittston city.....	19,267	12,556	10,302
Brackenridge borough.....	3,134	.....	8,561	Huntingdon borough.....	6,861	6,053	5,729	Plymouth borough.....	16,996	13,649	9,244
Bradford city.....	14,544	15,654	8,561	Indiana borough.....	5,749	4,142	1,765	Port Carbon borough.....	2,678	2,118	1,976
Bradford city.....	14,544	15,654	8,561	Irwin borough.....	2,880	2,452	2,458	Port Jervis borough.....	2,954	816	.....
Bridgeport borough.....	3,850	2,067	6,551	Jennett borough.....	8,077	5,865	3,296	Pottsville borough.....	15,599	13,696	13,285
Bristol borough.....	9,256	7,104	6,553	Jenkintown borough.....	2,968	2,091	1,600	Pottsville borough.....	20,236	15,710	14,117
Brookville borough.....	3,003	2,472	2,478	Jermyn borough.....	3,158	2,567	2,650	Quakertown borough.....	3,801	3,014	2,169
Butler borough.....	20,728	10,853	8,734	Jersey Shore borough.....	5,381	3,070	1,853	Rankin borough.....	0,442	3,775	.....
Canonsburg borough.....	3,891	2,714	2,113	Johnsonburg borough.....	4,334	3,894	.....	Reading city.....	96,071	78,961	58,661
Carlisle city.....	17,040	13,536	10,833	Johnstown city.....	55,482	35,930	21,805	Renovo borough.....	4,121	4,082	4,154
Carlisle city.....	10,303	9,626	7,620	Juniata city.....	5,285	1,709	.....	Remondville borough.....	3,489	3,435	2,789
Carnegie borough.....	10,009	7,330	.....	Kane borough.....	6,626	5,296	2,944	Ridgway borough.....	5,408	3,515	1,903
Carrick borough.....	6,117	.....	.....	Kankakee borough.....	6,449	3,846	.....	Rochester borough.....	5,903	4,688	3,649
Catawissa borough.....	4,250	3,663	3,704	Kittanning borough.....	4,311	3,462	3,095	Royersford borough.....	3,753	2,607	1,815
Catskill borough.....	9,615	5,930	.....	Knoxville borough.....	5,651	3,511	1,723	St. Clair borough.....	5,640	.....	.....
Chasterville borough.....	9,615	5,930	.....	Lancaster city.....	47,227	41,459	32,011	St. Clair borough.....	6,455	4,638	3,680
Chester city.....	38,537	33,988	20,226	Lansford borough.....	8,321	4,888	4,004	St. Marys borough.....	6,346	4,295	1,745
Chiaron borough.....	3,326	2,004	2,164	Lansdale borough.....	3,551	2,754	1,858	St. Marys borough.....	6,436	5,243	.....
Chiaron borough.....	6,851	5,581	2,248	Larksville borough.....	4,060	2,630	.....	Schuylkill Haven bor.....	4,747	3,654	3,088
Clifton Heights borough.....	3,155	2,300	1,820	Larksville borough.....	9,288	6,614	3,589	Shamokin borough.....	5,456	4,281	2,683
Coalfield borough.....	5,154	.....	3,680	Latsch borough.....	8,777	.....	.....	Seranton city.....	129,867	102,026	75,215
Coatesville borough.....	11,064	5,721	3,680	Lebanon city.....	19,240	17,628	14,664	Sewickley borough.....	4,479	3,568	2,776
Columbia borough.....	11,454	12,316	10,599	Lebanon city.....	3,624	2,459	1,921	Shamokin borough.....	19,558	15,202	14,403
Conestoga borough.....	11,800	7,169	5,629	Lehigh borough.....	5,316	4,729	2,939	Sharon borough.....	15,270	8,916	7,459
Conshohocken borough.....	7,480	5,762	5,470	Lewistown borough.....	3,061	3,457	3,248	Sharpsburg borough.....	8,153	6,842	4,898
Coplay borough.....	2,670	1,881	880	Lewistown borough.....	8,166	4,451	3,273	Sharsville borough.....	3,634	2,970	2,330
Corapolis borough.....	5,252	2,555	962	Lock Haven city.....	7,772	7,210	7,358	Shenandoah borough.....	25,774	20,321	15,944
Corry city.....	5,991	5,369	5,677	Luzerne borough.....	5,426	3,817	2,398	Shippensburg borough.....	3,457	3,228	2,188
Coudersport borough.....	3,100	3,217	1,530	Lykens borough.....	2,943	2,762	2,450	Slatonport borough.....	4,454	3,773	2,716
Crafton borough.....	4,583	1,927	.....	McAdoo borough.....	3,389	2,122	.....	Slatonport borough.....	2,612	1,834	1,713
Curtisville borough.....	2,549	1,937	1,664	McDonald borough.....	2,543	2,475	1,698	South Bethlehem bor.....	19,973	13,241	10,302
Danville borough.....	7,517	8,042	7,998	McKees Rocks borough.....	14,702	6,322	.....	South Brownsville bor.....	3,943	1,805	1,030
Darby borough.....	6,305	6,428	2,972	McKeesport city.....	42,244	34,227	.....	South Fork borough.....	4,592	2,435	1,295
Dayton borough.....	2,854	2,347	1,968	Manahay City borough.....	15,836	13,204	11,286	South Sharon borough.....	10,190	.....	.....
Dickson City borough.....	9,331	4,948	3,110	Mauch Chunk borough.....	3,952	4,029	4,101	South Williamsport.....	3,734	3,328	2,900
Donors borough.....	8,174	.....	.....	Mayfield borough.....	3,662	2,300	1,695	Spangler borough.....	2,700	1,616	.....
Dorranetown borough.....	4,046	2,211	586	Meadville city.....	12,780	10,291	9,520	Spring City borough.....	2,880	2,566	1,797
Downtown borough.....	3,326	2,133	1,920	Mechanicsburg bor.....	4,469	3,841	3,691	Stetson borough.....	14,246	12,086	9,250
Dover borough.....	12,623	9,375	6,149	Mechanicsburg bor.....	3,562	3,075	2,736	Strodsburg borough.....	4,379	3,450	2,419
Dubois borough.....	12,623	9,375	6,149	Meda borough.....	3,741	3,024	1,847	Summit Hill borough.....	4,209	2,886	2,816
Dumors borough.....	17,615	12,583	8,315	Meyersdale borough.....	5,374	5,608	5,080	Sunnyvale borough.....	13,770	9,810	5,930
Duquesne borough.....	15,727	9,036	.....	Middletown borough.....	7,861	6,736	3,809	Susquehanna borough.....	3,478	3,813	3,872
Durys borough.....	7,487	.....	.....	Milvale borough.....	7,460	6,175	5,317	Swissvale borough.....	7,381	1,716	.....
East Conemaugh bor.....	5,046	2,175	1,158	Milton borough.....	3,159	2,224	2,075	Swoyersville borough.....	5,286	2,264	.....
East Mahoning bor.....	3,548	3,458	2,772	Mills Mills borough.....	7,240	4,815	3,504	Tamaqua borough.....	9,462	7,267	6,054
East Mahoning bor.....	5,615	2,883	.....	Minersville borough.....	3,376	2,008	1,494	Tarentum borough.....	7,414	5,472	4,627
East Stroudsburg bor.....	3,330	2,648	1,819	Monaca borough.....	11,775	2,197	.....	Taylor borough.....	9,060	4,215	.....
Easton city.....	28,523	25,238	14,481	Monaca borough.....	7,508	5,173	4,096	Throop borough.....	5,133	2,204	.....
Edgewood borough.....	2,596	1,139	616	Monaca borough.....	3,964	1,227	.....	Titusville city.....	8,533	8,244	8,073
Edwardsville borough.....	18,407	9,165	3,284	Mount Carmel borough.....	17,532	13,179	8,234	Towards borough.....	4,281	4,643	4,169
Elizabethtown borough.....	2,587	1,473	1,218	Mount Carmel borough.....	4,241	2,295	.....	Turtle Creek borough.....	4,995	3,262	.....
Ellwood City borough.....	3,902	2,243	.....	Mount Pleasant bor.....	5,812	4,745	3,682	.....	.....	.....	.....
Emaus borough.....	3,501	1,468	883	Mount Union borough.....	3,338	1,086	810	.....	.....	.....	.....
Emporium borough.....	2,916	2,463	2,147	Munhall borough.....	5,185	.....	.....	.....	.....	.....	.....
Ephrata borough.....	3,192	2,451	.....	Nanticoke borough.....	18,877	12,116	10,044	.....	.....	.....	.....
				Nazareth borough.....	3,978	2,304	1,318	.....	.....	.....	.....

<sup>1</sup> Includes population of West Bethlehem borough: 1900, 3,465; 1890, 2,759.

<sup>2</sup> Includes population of Clayville borough: 1900, 2,371; 1890, 1,402.

<sup>3</sup> Includes population of Allegheny city: 1900, 129,896; 1890, 105,287.

<sup>4</sup> Allegheny County.

<sup>5</sup> Schuylkill County.



## POPULATION OF PLACES HAVING, IN 1910, 2,500 INHABITANTS OR MORE: 1910, 1900, AND 1890—Continued.

[This table includes all incorporated places having 2,500 inhabitants or more in 1910, so far as they have been returned by the census enumerators separate from the townships, precincts, districts, etc., of which they form a part. It also includes all towns in New England which had a population of 2,500 or more in 1910.]

CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890	CITY, TOWN, VILLAGE, OR BOROUGH.	1910	1900	1890
<b>Vermont—Con.</b>				<b>Washington—Con.</b>				<b>Wisconsin—Con.</b>			
Hartford town.....	4,179	3,817	3,740	Chehalis city.....	4,507	1,775	1,309	Port Atkinson city.....	3,877	3,043	2,233
Lyndon town.....	2,950	2,619	2,519	Cle Elum city.....	2,749	.....	.....	Grand Rapids city.....	6,521	4,493	1,702
Middlebury town.....	2,848	3,045	2,793	Colfax city.....	2,783	2,121	1,649	Green Bay city.....	25,236	18,684	9,069
Montpelier city.....	7,856	6,266	4,160	Ellensburg city.....	4,209	1,737	2,768	Hartford city.....	2,982	1,632	1,286
Morrisville town.....	2,052	2,583	2,401	Everett city.....	24,814	7,838	.....	Hudson city.....	2,810	3,269	2,885
Newport town.....	3,684	3,113	3,047	Hillary city.....	3,276	.....	.....	Janesville city.....	13,894	13,185	10,836
Newport village.....	2,548	1,874	1,739	Honolulu city.....	8,171	2,608	1,302	Jederson city.....	2,382	2,584	2,287
Northfield town.....	3,226	2,855	2,628	North Yakima city.....	14,082	3,154	1,535	Kaukauna city.....	4,717	5,115	4,667
Poulinville town.....	3,554	3,108	3,051	Olympia city.....	6,106	3,838	4,698	Kenosha city.....	21,371	11,006	1,532
Proctor town.....	2,871	2,136	1,758	Port Townsend city.....	4,181	3,443	4,558	La Crosse city.....	30,417	28,905	25,090
Proctor village.....	2,766	2,015	.....	Pullman city.....	2,692	1,308	868	Lake Geneva city.....	3,079	2,585	2,297
Randolph town.....	3,191	3,141	3,232	Puyallup city.....	4,544	1,884	1,732	Madison city.....	25,531	19,164	13,426
Richford town.....	2,907	2,421	2,196	Renton town.....	2,740	.....	.....	Manitowoc city.....	13,027	11,786	7,710
Rockingham town.....	6,207	5,809	4,579	Roslyn town.....	3,126	2,786	1,484	Mannette city.....	14,010	16,195	11,523
Bellevue Falls village.....	4,885	4,557	5,092	Seattle city.....	237,194	80,671	42,837	Marshfield city.....	5,783	5,240	3,450
Rutland city.....	13,546	11,499	.....	Snohomish city.....	3,244	2,101	1,963	Menasha city.....	6,081	5,589	4,581
St. Albans city.....	6,351	6,239	.....	South Bend city.....	3,023	711	.....	Menomonie city.....	5,036	5,655	5,491
St. Johnsbury town.....	8,098	7,010	6,567	Spokane city.....	104,402	36,848	19,922	Merrill city.....	6,689	8,537	6,949
St. Johnsbury village.....	6,685	6,697	.....	Tacoma city.....	83,743	37,714	36,006	Milwaukee city.....	372,857	285,315	204,468
Springfield city.....	4,784	3,432	2,881	Vancouver city.....	9,300	3,126	3,545	Mineral Point city.....	2,925	2,991	2,694
Springfield village.....	5,860	2,040	1,512	Walla Walla city.....	19,364	10,049	4,709	Monroe city.....	4,410	3,927	3,708
Swanton town.....	3,628	3,745	3,231	Wenatchee city.....	4,050	451	.....	Necham city.....	4,334	3,954	5,102
Waterbury town.....	3,273	2,810	2,232	<b>West Virginia</b>				New London city.....	3,383	2,742	2,050
West Rutland town.....	3,427	2,914	3,680	Benwood city.....	4,976	4,511	2,934	Oconomowoc city.....	3,064	2,880	2,729
Woodstock town.....	2,545	2,557	2,545	Bluefield city.....	11,188	4,644	1,775	Oconto city.....	5,629	5,646	5,219
<b>Virginia</b>				Charleston city.....	22,996	11,099	6,742	Oshkosh city.....	33,062	28,284	22,836
Alexandria city.....	15,329	14,528	14,339	Chester city.....	3,184	.....	.....	Platteville city.....	4,452	3,340	2,740
Bedford city town.....	2,308	2,416	2,897	Clarksburg city.....	9,201	4,050	3,008	Flymouth city.....	3,084	2,257	1,503
Big Stone Gap town.....	2,590	1,617	.....	Davis town.....	2,615	2,391	915	Fort Washington city.....	3,792	3,010	1,870
Bristol city.....	6,247	4,579	2,902	Elkins city.....	5,260	2,016	737	Portage city.....	5,440	5,459	5,143
Buena Vista city.....	3,245	2,388	1,044	Fairmont city.....	9,711	5,655	1,023	Prairie du Chien city.....	3,149	3,232	3,131
Charlottesville city.....	6,765	6,449	5,591	Grafton city.....	7,563	5,650	3,159	Racine city.....	38,062	29,102	21,014
Clifton Forge city.....	5,748	3,579	1,792	Hinton city.....	3,656	3,763	2,570	Reelsburg city.....	2,615	2,225	1,787
Covington town.....	4,234	2,950	704	Huntington city.....	31,161	11,923	10,108	Rideland city.....	5,637	4,998	2,658
Danville city.....	19,020	16,520	10,305	Keyser town.....	3,705	2,536	2,165	Rice Lake city.....	3,598	3,002	2,130
Farmville town.....	2,971	2,471	2,404	McMechen city.....	2,921	1,465	427	Richland Center city.....	2,652	2,321	1,819
Fredericksburg city.....	5,874	5,068	4,528	Mannington city.....	2,672	1,681	908	Ripon city.....	3,739	3,818	3,358
Hampton city.....	5,505	2,764	2,513	Martinsburg city.....	10,698	7,564	7,226	Shawano city.....	2,923	1,863	1,505
Harrisonburg town.....	4,879	3,521	2,792	Morgantown city.....	9,150	1,885	1,011	Sheboygan city.....	26,308	22,962	16,359
Lexington town.....	2,931	3,203	3,059	Moundsville city.....	8,913	5,362	2,688	South Milwaukee city.....	6,092	3,392	.....
Lynchburg city.....	29,494	18,891	19,709	Parkersburg city.....	17,842	11,703	8,408	Sparta city.....	3,973	3,555	2,795
Marion town.....	2,727	2,045	1,651	Princeton city.....	3,027	.....	.....	Stanley city.....	2,675	2,387	.....
Martinsville town.....	3,368	2,384	.....	Richwood town.....	3,061	.....	.....	Stevens Point city.....	8,692	9,524	7,896
Newport News city.....	19,435	19,435	.....	Sistersville city.....	2,684	2,979	469	Sturgeon Bay city.....	4,761	3,431	2,470
Norfolk city.....	47,452	46,024	34,871	Wellsburg city.....	4,189	2,588	2,235	.....	4,262	3,372	2,195
Petersburg city.....	24,127	21,810	22,680	Wheeling city.....	41,641	38,578	34,522	Superior city.....	40,384	31,091	11,932
Portsmouth city.....	38,190	17,427	13,268	Williamson city.....	3,361	.....	.....	Tomah city.....	3,419	2,840	2,199
Pulaski city.....	4,807	2,813	2,112	<b>Wisconsin</b>				Tomahawk city.....	2,847	2,291	1,816
Radford city.....	4,202	3,344	2,060	Antigo city.....	7,196	5,145	4,424	Two Rivers city.....	4,850	3,784	2,570
Richmond city.....	127,628	85,050	81,388	Appleton city.....	16,779	15,085	11,869	Washburn city.....	3,830	.....	.....
Roanoke city.....	34,874	21,495	16,159	Ashland city.....	11,594	13,074	9,956	Watertown city.....	8,829	8,437	8,755
Salem town.....	3,849	3,412	3,279	Baraboo city.....	6,324	5,751	4,605	Waukesha city.....	8,740	7,419	6,321
South Boston town.....	3,516	1,851	1,789	Beaver Dam city.....	6,758	5,128	4,222	Waupaca city.....	2,789	2,912	2,127
Stoughton city.....	10,604	7,289	6,975	Beloit city.....	15,125	10,436	6,315	Waupun city.....	3,362	3,185	2,757
Suffolk town.....	7,003	3,827	3,354	Burlington city.....	4,036	4,489	4,149	Wausau city.....	16,560	12,354	9,233
Williamsburg city.....	2,714	2,044	1,831	Chippewa Falls city.....	3,212	2,526	2,043	West Allis city.....	8,346	2,842	.....
Winchester city.....	5,804	5,161	4,196	Columbus city.....	8,893	8,094	8,670	West Milwaukee city.....	6,645	.....	.....
Wytheville town.....	3,054	3,003	2,570	Cudahy city.....	2,523	2,349	1,977	Whitewater city.....	3,224	3,405	4,359
<b>Washington</b>				De Pere city.....	4,477	4,038	3,625	<b>Wyoming</b>			
Aberdeen city.....	13,660	3,747	1,638	Eau Claire city.....	18,810	17,517	17,415	Casper town.....	2,639	883	544
Anacortes city.....	4,168	1,476	1,131	Edgemont city.....	2,513	2,102	1,595	Cheyenne city.....	11,520	14,087	11,690
Bellingham city.....	24,298	11,062	8,135	Fond du Lac city.....	18,797	15,110	12,024	Evansville town.....	2,583	2,110	1,986
Bremerton city.....	2,893	.....	.....	Cudahy city.....	3,691	1,366	.....	Laramie city.....	8,237	8,207	6,588
Centralia city.....	7,311	1,600	2,026	De Pere city.....	4,477	4,038	3,625	Rawlins city.....	4,256	2,317	2,235

<sup>1</sup> Joint population of Bristol town, Sullivan County, Tenn., and Bristol city, Va.: 1910, 13,395; 1900, 9,850; 1890, 6,226.

<sup>2</sup> Includes population (397) of West Clinton Forge town.

<sup>3</sup> Fairhaven and New Whitcomb cities consolidated under the name of Bellingham city in 1903.





## CHAPTER 2.

### COLOR OR RACE, NATIVITY, PARENTAGE, AND SEX.

**Introduction.**—This chapter, dealing with the composition of the population, gives in condensed form statistics relative to color or race, nativity, parentage, and sex, as returned at the Thirteenth Decennial Census, taken as of April 15, 1910, with comparative figures for prior censuses. Alaska, Hawaii, Porto Rico, and other outlying possessions are not included.

The classification by color or race distinguishes six groups, namely, white, negro, Indian, Chinese, Japanese, and "All other" (consisting principally of Hindus and Koreans). On account of their comparatively small number, the four last-named groups are combined in some of the tables.

The white population is divided into four groups: (1) Native, native parentage—that is, having both parents born in the United States; (2) native, foreign parentage—having both parents born in foreign countries; (3) native, mixed parentage—having one parent native and the other foreign born; (4) foreign born. In many of the tables native whites of foreign parentage and of mixed parentage are combined.

This double classification by color or race, and by nativity and parentage, results in five principal classes of the population—the native whites of native parentage, the native whites of foreign or mixed parentage, the foreign-born whites, the negroes, and all others. The last named group is frequently omitted from the tables, as it is neither numerous nor important.

Following in each case this classification according to color or race, nativity, and parentage, statistics are presented in the first section of this chapter for the total population; in the second section for the total population distinguished by sex; in the third section for the population 21 years of age and over, also distinguished by sex; and in the fourth section for the male population of militia age (18 to 44 years, inclusive). In connection with the population 21 years of age and over, much greater detail is given regarding males than regarding females, and statistics are also presented relative to the naturalization of the foreign-born white males.

### TOTAL POPULATION BY COLOR OR RACE, NATIVITY, AND PARENTAGE.

#### UNITED STATES AS A WHOLE.

**General summary: 1910 and 1900.**—Table 1 shows the number of persons of each color or race at the last two censuses, the total number of native and foreign-born inhabitants, and the number of whites distributed according to nativity and parentage.

CLASS OF POPULATION.	NUMBER.		INCREASE: <sup>1</sup> 1900-1910		PER CENT OF TOTAL POPULATION.	
	1910	1900	Number.	Per cent.	1910	1900
Total population	81,972,266	75,994,575	15,977,851	21.0	100.0	100.0
White	81,731,957	66,809,196	14,922,761	22.3	88.9	87.9
Negro	9,827,763	8,833,994	993,769	11.2	10.7	11.6
Other colored races	412,546	351,385	61,161	17.4	0.4	0.5
Indian	265,683	237,196	28,487	12.0	0.3	0.3
Chinese	71,531	89,803	-18,332	-20.4	0.1	0.1
Japanese	72,157	24,326	47,831	196.6	0.1	(?)
All other	3,175		3,175		(?)	
Total native	78,456,380	65,653,299	12,803,081	19.5	85.3	86.4
Total foreign born	13,515,886	10,341,276	3,174,610	30.7	14.7	13.6
Total white	81,731,957	66,809,196	14,922,761	22.3	88.9	87.9
Native	68,386,412	56,595,379	11,791,033	20.8	74.4	74.5
Native parentage	49,488,575	40,949,362	8,539,213	20.9	53.8	53.9
Foreign parentage	12,916,311	10,652,289	2,284,021	21.5	14.0	14.0
Mixed parentage	5,981,536	5,013,737	967,799	19.3	6.6	6.6
Foreign born	13,345,545	10,213,817	3,131,728	30.7	14.5	13.4

<sup>1</sup> A minus sign (—) denotes decrease. <sup>2</sup> Less than one-tenth of 1 per cent.

Of the population of the United States in 1910, 81,731,957, or 88.9 per cent, were whites; 9,827,763, or 10.7 per cent, were negroes; and 412,546, or four-tenths of 1 per cent, were other colored races.

Of the total population, 78,456,380, or 85.3 per cent, were native and 13,515,886, or 14.7 per cent, foreign born, the latter consisting chiefly of whites.

The native white population numbered 68,386,412, and constituted 83.7 per cent of the white population and 74.4 per cent of the total population of the country. The 13,345,545 foreign-born whites constituted 16.3 per cent of the white population and 14.5 per cent of the total population.

Native whites of native parentage in 1910 numbered 49,488,575, constituting 60.5 per cent of the white population and 53.8 per cent of the total population. Native whites of foreign parentage formed 15.8 per cent of the white population and those of mixed parentage 7.3 per cent, the corresponding percentages based on the total population being 14 and 6.5, respectively.

Of the total increase of 15,977,691 in the population of the country between 1900 and 1910, the whites contributed 14,922,761, the negroes 993,769, and other races 61,161. The increase in the native population was 12,803,081, and that in the foreign born, 3,174,610, or about one-fifth of the total increase.

The percentage of increase for the whites, 22.3, was a little less than twice as high as that for the negroes, 11.2. This difference is partly due, however, to the direct or indirect effect of immigration upon the increase of the white population. The native white

population increased 20.8 per cent and the foreign-born white 30.7 per cent. There was very little difference in the rates of increase for the three parentage groups of the native white population.

By reason of these differences in the rates of increase of the several classes of population there was some change between 1900 and 1910 in the relative importance of the different groups. Whites constituted 88.9 per cent of the total population in 1910, as compared with 87.9 per cent in 1900. Native whites, however, constituted a slightly smaller proportion of the total in the later year than in the earlier, while foreign-born whites formed 14.5 per cent of the total in 1910, as compared with 13.4 per cent 10 years before.

It should be borne in mind that the increase in the white groups, from one census to another, represents more than the natural growth by excess of births over deaths. The increase of negroes and Indians, since their number is only slightly affected by immigration or emigration, is essentially a natural increase. The increase in the several white groups, however, is materially affected, directly or indirectly, by immigration, which greatly exceeds emigration. The total number of whites is swelled directly by immigration; the number of native whites by the children born of immigrants after their arrival in this country; and the number of native whites of native parentage by the children of the native whites of foreign or mixed parentage. Additions to the number of native whites of foreign parentage, of course, consist wholly of the children of the foreign born, while the additions to the native whites of mixed parentage are the children of intermarriages between the foreign born and the native.

It is possible, however, to estimate approximately the natural increase of the white population by subtracting from the total white population enumerated in 1910 the number of foreign-born whites who had immigrated to the country after 1900. The remainder, when compared with the white population enumerated in 1900, may be accepted as indicating approximately the growth in the white population apart from immigration, or, in other words, the natural increase of the white population between 1900 and 1910. The number of foreign-born whites enumerated in 1910 who had arrived in this country subsequently to January 1, 1901, was almost exactly 5,000,000. Subtracting this from the total white population enumerated in 1910 the remainder is about 76,730,000, which, as compared with the white population in 1900, 66,809,196, represents a difference of about 9,920,000, or 14.8 per cent.

<sup>1</sup> To be strictly accurate one should subtract the number of children enumerated in 1910 who were born in this country of the immigrants who came in after 1900; this number, however, is unknown, and is at least partially offset by the number of surviving white persons (also unknown) enumerated in 1900 who emigrated from the United States before April 15, 1910, and the surviving children born of such emigrants. Moreover, one should deduct the survivors (number unknown) of the immigrants who arrived in this country between June 1, 1900, the date of the Twelfth Census, and January 1, 1901.

This may somewhat exceed the natural increase, however, because certain minor factors have not been taken into account in this computation;<sup>1</sup> it is probable that the true rate of natural increase for the aggregate white population was not far from 14 per cent, and that this percentage may be fairly compared with the rate of increase in the negro population, 11.2 per cent.

**White and negro population.**—The number of whites and negroes in the total population of the United States at each census from 1790 to 1910 is given in Table 2.

TABLE 2	NUMBER.				PER CENT OF TOTAL.		
	Total population.	White.	Negro.	Indian, Chinese, Japanese, and all other.	White.	Negro.	Ind., Chi., Jap., and all other.
1910.....	91,972,266	81,731,957	9,827,763	412,546	88.9	10.7	0.4
1900.....	75,994,575	66,809,196	8,833,994	351,385	87.9	11.6	0.5
1890.....	62,947,714	55,101,258	7,488,676	357,780	87.5	11.9	0.6
1880.....	50,155,783	43,402,970	6,586,793	172,020	86.5	13.1	0.3
1870 <sup>1</sup> .....	38,558,371	33,589,377	4,880,009	88,985	87.1	12.7	0.2
1870 <sup>2</sup> .....	39,818,449	34,337,292	6,392,172	88,985	86.2	13.5	0.3
1860.....	31,413,321	26,922,537	4,441,830	78,954	85.6	14.1	0.2
1850.....	23,191,876	19,553,068	3,638,808	84.7	84.7	15.7	-----
1840.....	17,069,453	14,195,805	2,873,648	-----	83.2	16.8	-----
1830.....	12,866,020	10,537,378	2,328,642	-----	81.9	18.1	-----
1820.....	9,638,453	7,866,797	1,771,656	-----	81.6	18.4	-----
1810.....	7,229,881	5,862,073	1,377,808	-----	81.0	19.0	-----
1800.....	5,308,483	4,306,446	1,002,037	-----	81.1	18.9	-----
1790.....	3,929,214	3,172,006	757,208	-----	80.7	19.3	-----

<sup>1</sup> As enumerated.

<sup>2</sup> Estimated corrected figures. See explanation in text.

The census of 1860 was the first at which Indians were distinguished from the other classes. Not, however, until the census of 1890 was any enumeration made of the Indians on reservations or "living in tribal relations," so that statistics for the group in which they are included in the table are not comparable further back than 1890.

The distinction of white and colored is the only one which has been carried through all the 13 censuses. There is some doubt whether the small number of taxed Indians were counted with the white or with the colored prior to 1860.

The proportion of whites in the total population, which was approximately four-fifths in 1790, has increased at each succeeding census, except for an insignificant decrease in 1810 as compared with 1800. The apparently lower percentage in 1880, as compared with 1870, is undoubtedly erroneous, being due to the faulty census of 1870, which is known to have been generally deficient in the Southern states. The number of omissions in these states in 1870 is estimated to have been 747,915 whites and 512,163 negroes, aggregating 1,260,078. (See Reports of the Eleventh Census, Population, Part I, pp. xi, xii, and xvi.) Assuming these estimates to be correct, the white population in 1870 represented 86.2 per cent of the total and the negro 13.5.

During the first 40 years of the period covered by the table, the proportions of whites and negroes did not change materially, although the total population more than doubled. Thereafter the proportion of

whites increased more rapidly—from 81.9 per cent in 1830 to 88.9 per cent in 1910.

Table 3 gives the decennial increase, both absolute and relative, in the white and in the negro population for each decade from 1790 to 1910.

DECADE.	INCREASE.			PER CENT OF INCREASE.		
	Total.	White.	Negro.	Total.	White.	Negro.
1900-1910.....	15,977,691	14,922,761	963,769	21.0	22.3	11.2
1890-1900.....	13,046,861	11,707,938	1,345,318	20.7	21.2	18.0
1880-1890.....	12,406,467	11,580,920	1,859,247	24.9	26.7	13.5
1870-1880.....	11,597,412	9,813,593	1,700,784	30.1	29.2	34.9
1870-1880 <sup>1</sup> .....	10,537,384	9,065,678	1,188,621	26.0	26.4	22.0
1860-1870 <sup>2</sup> .....	8,376,128	7,414,745	950,542	26.6	27.5	21.3
1850-1860.....	7,115,050	6,066,840	438,179	22.6	24.8	9.9
1840-1850.....	6,251,445	7,369,469	803,022	35.6	37.7	22.1
1830-1840.....	6,122,423	5,357,263	765,160	35.9	37.7	26.6
1820-1830.....	4,203,433	3,658,427	545,006	32.7	34.7	23.4
1810-1820.....	3,227,567	2,670,581	556,986	33.5	33.9	31.4
1800-1810.....	2,398,572	2,004,724	393,848	33.1	34.2	28.6
1790-1800.....	1,931,398	1,555,627	375,771	36.4	36.1	37.5
1790-1800.....	1,379,269	1,134,440	244,829	35.1	35.8	32.3

<sup>1</sup> Exclusive of 325,464 persons (among whom were 117,368 whites and 18,636 negroes) specially enumerated in 1830 in Indian Territory and on Indian Reservations.

<sup>2</sup> Estimated corrected increase.

The addition to the total white population in the decade 1900-1910 was considerably greater than during any other decade and indeed exceeded the total white population of the country in 1840. The increase in the negro population, however, was less than that from 1890 to 1900 and was much less than that from 1870 to 1880 as based on the returns.

If, however, the irregularity in the increase for the decades 1860-1870 and 1870-1880, due to the defective enumeration of the population in 1870, be corrected to correspond with the estimated population of 1870, the increase of negroes from 1870 to 1880 becomes less marked, although still greater than that from 1900 to 1910.

Assuming the estimates for 1870 to be approximately correct, each decade since 1790 has shown for the white population an absolute gain larger than that for the decade immediately preceding, and the percentage of increase for the white population has exceeded that for the negro population in every decade since 1790 except 1800-1810. In the 50 years 1860-1910 the white population increased 203.6 per cent and the negro population 121.3 per cent.

A comparison of the decennial rates of increase in the white population from 1790 to 1910 reveals three clearly defined periods. From 1790 to 1860 the rate was high and remarkably uniform, varying little from 35 per cent. Then it fell off abruptly and for three decades, from 1860 to 1890 (accepting the estimated figures for 1870), was close to 27 per cent. The third period dates from 1890, the percentage of increase being 21.2 from 1890 to 1900 and 22.3 from 1900 to 1910. With respect to the rate of increase of the negroes, three similar periods also appear, the second, however, beginning in 1830 and the third in 1880. According to the returns the rate from 1880 to 1890 was very much lower than even the estimated rate from 1870 to 1880, and

the rate from 1890 to 1900 was much higher than during either the preceding or the succeeding decade. Such abrupt changes in the growth of a class of the population which is not affected by immigration seem very improbable and almost force the conclusion that the enumeration of negroes in 1890 was deficient.

**Indian, Chinese, and Japanese population.**—In Table 4 are shown the numbers of Indians, Chinese, and Japanese at each census from 1860 to 1910.

CENSUS YEAR.	Indian.	Chinese.	Japanese.
1910.....	265,683	71,531	72,157
1900.....	237,196	89,863	24,326
1890.....	245,253	107,488	2,039
1880.....	66,407	105,465	148
1870.....	25,731	63,199	55
1860.....	44,021	34,933	.....

Indians in Indian Territory and on Indian reservations are not included in the totals for 1860, 1870, and 1880, but are included in the totals for 1890, 1900, and 1910. Since 1890 the Indian population has increased slightly, although a slight decrease is indicated for the decade 1890-1900; the Chinese population decreased, while the Japanese increased rapidly during each of the two decades and in 1910 slightly outnumbered the Chinese. There were also enumerated in 1910 other nonwhite races, consisting, for the greater part, of Hindus and Koreans, to the number of 3,175.

**Black and mulatto population.**—Table 5 gives a classification of the negro population as black or mulatto for the several censuses at which this distinction has been made.

CENSUS YEAR. <sup>1</sup>	NEGRO POPULATION.			PER CENT OF TOTAL.	
	Total.	Black.	Mulatto.	Black.	Mulatto.
1910.....	9,827,763	7,777,077	2,050,686	79.1	20.9
1900.....	7,488,676	6,337,980	1,152,040	84.8	15.2
1870.....	4,880,099	4,295,960	584,049	88.0	12.0
1860.....	4,441,830	3,853,467	588,363	86.8	13.2
1850.....	3,638,808	3,233,057	405,751	88.8	11.2

<sup>1</sup> No data for 1880 or 1900.

<sup>2</sup> Includes 18,636 negroes enumerated in Indian Territory, not distinguished as black or mulatto.

No data are available for 1880 or 1900. Of the 9,827,763 negroes enumerated in 1910, 7,777,077 were returned as black and 2,050,686 as mulatto. In 1850 the percentage of mulattoes was 11.2. It had advanced but little in 1870, being only 12 per cent, but since 1870 the proportion of mulattoes in the total negro population appears to have increased very materially, reaching 15.2 per cent in 1890 and 20.9 per cent in 1910. Considerable uncertainty necessarily attaches to this classification, however, since the accuracy of the distinction made depends largely upon the judgment and care of the enumerators. Moreover, the fact that the definition of the term "mulatto" adopted at different censuses has not been entirely uniform may affect the comparability of the figures in some degree. In 1870, as in 1910, however, the term was applied to all

persons having any perceptible trace of negro blood, excepting, of course, negroes of pure blood.

**Native and foreign-born population.**—The aggregate population at each census from 1850 to 1910 is classified as native or foreign born in Table 6.

CENSUS YEAR.	POPULATION.			PER CENT OF TOTAL.	
	Total.	Native.	Foreign born.	Native.	Foreign born.
1910.....	91,972,266	78,456,380	13,515,886	85.3	14.7
1900.....	75,994,553	65,853,289	10,341,276	86.4	13.6
1890.....	62,947,714	53,608,154	9,339,560	85.3	14.7
1880.....	50,155,783	43,475,840	6,679,943	86.7	13.3
1870.....	38,558,371	32,991,142	5,567,229	85.6	14.4
1860.....	31,443,321	27,304,624	4,138,697	86.8	13.2
1850.....	23,191,370	20,947,274	2,244,092	90.3	9.7

The proportions of the native and foreign born have not changed greatly since 1860. The deficiency in the census of 1870 affected the native population much more than the foreign born, so that the proportions for that year are slightly misleading. It is certain, however, that for the native population the rate of increase has fallen off in each of the last three decades. For the foreign born the rate has fluctuated more or less directly with the volume of immigration. The decennial increases from 1850 to 1910 are shown in Table 7.

DECADE.	INCREASE.			PER CENT OF INCREASE.		
	Total.	Native.	Foreign born.	Total.	Native.	Foreign born.
1900-1910.....	15,977,691	12,803,081	3,174,610	21.0	19.5	30.7
1900-1900.....	13,046,861	11,955,145	1,091,716	20.7	22.3	11.8
1890-1890.....	12,966,467	11,836,503	1,129,964	24.9	22.8	38.5
1870-1880.....	11,597,412	10,484,698	1,112,714	30.1	31.8	29.0
1860-1870.....	7,115,050	5,686,518	1,428,532	22.6	20.8	34.5
1850-1860.....	8,251,445	6,357,350	1,894,095	35.6	30.3	84.4

<sup>1</sup> Exclusive of population specially enumerated in 1890.

Table 9

Table 9	CENSUS YEAR OR DECADE.	Total white.	NATIVE WHITE.					Foreign-born white.
			Total.	Native parentage.	Foreign or mixed parentage.			
					Total.	Foreign.	Mixed.	
1910.....	81,731,957	68,386,412	49,488,575	18,897,837	12,916,311	5,981,526	13,345,545	
1900.....	66,809,196	56,595,379	40,949,262	15,646,017	10,632,280	5,013,737	10,213,817	
1890.....	55,101,258	45,979,391	34,475,716	11,503,675	8,085,019	3,418,656	9,121,867	
1880.....	45,402,970	36,845,291	28,558,424	8,277,867	6,363,759	1,911,098	6,559,679	
1870.....	33,589,377	28,095,665	22,771,397	5,324,268	4,167,098	1,157,170	5,493,712	
1860.....	26,922,537	22,825,784	19,633,068	3,288,716	2,196,671	1,092,045	4,096,753	
1850.....	19,633,068	17,312,533	14,922,761	2,389,772	1,721,250	668,522	2,240,533	
Increase:								
1900-1910.....	14,922,761	11,791,033	8,539,213	3,251,820	2,284,031	967,789	3,131,728	
1890-1900.....	11,707,938	10,015,988	6,473,646	4,142,342	2,547,261	1,595,081	1,091,950	
1880-1890.....	11,840,920	9,018,732	5,789,424	3,229,308	1,721,250	1,507,558	2,502,188	
1870-1880.....	9,813,593	8,747,626	5,797,027	2,950,599	2,196,671	753,928	1,065,967	
1860-1870.....	6,666,840	5,209,881	3,845,291	1,364,590	1,092,045	262,545	1,396,959	
1850-1860.....	7,369,469	5,513,251	4,142,342	1,370,909	1,092,045	278,864	1,856,218	
Per cent of increase:								
1900-1910.....	22.3	20.8	20.9	20.8	21.5	19.3	30.7	
1890-1900.....	21.2	23.1	18.8	36.0	31.5	46.7	12.0	
1880-1890.....	26.7	24.5	20.3	39.0	27.0	78.9	32.1	
1870-1880.....	29.2	31.1	25.5	55.4	52.7	65.2	19.4	
1860-1870.....	24.8	23.1	21.8	55.4	52.7	65.2	34.1	
1850-1860.....	37.7	31.8	28.8	55.4	52.7	65.2	82.8	

<sup>1</sup> Partly estimated.

<sup>2</sup> Exclusive of white population specially enumerated in 1890.

The native white population increased 20.8 per cent in the decade 1900-1910; in the preceding decade, 1890-1900, the increase was 23.1 per cent.

Table 8 shows, for 1910, the number of each color or race who were native and foreign born, respectively, with the percentage which persons of each color or race formed of the total foreign born.

COLOR OR RACE.	POPULATION.				
	Total.	Native.	Foreign born.		
			Number.	Per cent of total.	Per cent of total foreign born.
Total population.....	91,972,266	78,456,380	13,515,886	14.7	100.0
White.....	81,731,957	68,386,412	13,345,545	16.3	98.7
Negro.....	9,827,763	9,787,324	40,339	0.4	0.3
Indian.....	265,683	262,930	2,753	1.0	(1)
Chinese.....	11,531	14,063	67,696	73.1	0.4
Japanese.....	72,137	4,502	67,635	38.8	0.5
All other.....	3,175	177	2,998	94.4	(1)

<sup>1</sup> Less than one-tenth of 1 per cent.

The distinction of native or foreign birth is significant for the white population only. The proportion of foreign born among the negroes and Indians is quite unimportant; and while more than three-fourths of the members of the other nonwhite races enumerated are of foreign birth, the distinction has little significance. In the subsequent consideration of the population of the United States the distinction between native and foreign born is generally noted only in the case of the white population.

**White population by nativity and parentage.**—Table 9 classifies the total white population at each census from 1850 to 1910 as native or foreign born, and the native white population at each census from 1870 to 1910 by parentage. Statistics as to parentage are not available for any census prior to that of 1870. The decennial increases are also given in the table for all decades for which figures are available.

For the native whites of native parentage, however, the rate of increase was higher from 1900 to 1910 than in the preceding decade, being 20.9 per cent as

compared with 18.8. For the native whites of foreign parentage, on the other hand, the rate from 1900 to 1910 was lower, and there was a decline even more marked in the percentage of increase for the native whites of mixed parentage—from 46.7 per cent in the earlier decade to 19.3 in the later. It should be remembered, however, that these percentages do not represent the rates of "natural" increase for the several classes compared, for the reason, already noted, that the births among the native population of foreign parentage are contributions to the growth of the native population of native parentage, and the native whites of foreign parentage are similarly dependent for their increase upon the birth rate among the foreign-born whites. These variations in the rates of increase are affected by preceding variations in the number of immigrants and in their age distribution, sex distribution, and other characteristics, but the effects are very difficult to trace.

A further presentation for each of the nativity and parentage classes of the white population is given in Table 10, which shows the proportion which they formed of the white population and of the total population of the country, respectively, at each census from 1850 to 1910.

Table 10		NATIVE WHITE.						Foreign-born white.
CENSUS YEAR.	Total white.	Foreign or mixed parentage.						
		Total.	Native parentage.	Foreign or mixed parentage.				
				Total.	Foreign.	Mixed.		
PER CENT OF TOTAL WHITE POPULATION.								
1910.....	100.0	83.7	60.5	23.1	15.8	7.3	16.3	
1900.....	100.0	84.7	61.3	23.4	15.9	7.5	15.3	
1890.....	100.0	83.4	62.6	20.9	14.7	6.2	16.6	
1880.....	100.0	84.9	65.8	19.1	14.7	4.4	15.1	
1870.....	100.0	83.6	67.8	15.9	12.4	3.4	16.4	
1860.....	100.0	84.8					15.2	
1850.....	100.0	88.5					11.5	
PER CENT OF TOTAL POPULATION.								
1910.....	88.9	74.4	53.8	20.5	14.0	6.5	14.5	
1900.....	87.9	74.5	53.9	20.6	14.0	6.6	13.4	
1890.....	87.5	73.0	54.8	18.3	12.8	5.1	14.5	
1880.....	86.5	73.5	57.0	16.5	12.7	3.3	13.1	
1870.....	87.1	72.9	59.1	13.8	10.8	3.0	14.2	
1860.....	85.6	72.6					13.0	
1850.....	84.3	74.6					9.7	

Of the total white population in 1910, approximately five-sixths (83.7 per cent) were native and about one-sixth (16.3 per cent) foreign born. The proportion of foreign born in the white population increased from 11.5 per cent in 1850 to 15.2 per cent in 1860, and to 16.4 per cent in 1870 (doubtless slightly exaggerated by the deficiency in enumeration in the South, where most of the population is native). Since 1870 it has slightly decreased and slightly increased in alternate decades.

The proportion of persons of native parentage among the whites has decreased during each of the four decades covered by the figures, falling off from 67.8 per cent of the total in 1870 to 60.5 per cent in 1910.

Those of foreign and of mixed parentage, taken together, constituted a larger proportion of the white population at each succeeding census from 1870 to 1900, but the proportion in 1910 (23.1 per cent) was a trifle lower than in 1900.

#### DIVISIONS AND STATES.

**Population by color or race, nativity, and parentage.**—The population of the divisions and states in 1900 and 1910 is classified in Table 12 by color or race, and in Table 13 by nativity and parentage.

The general geographic distribution of the principal race, nativity, and parentage classes of the population in 1910 is indicated in Table 11.

Table 11

SECTION AND DIVISION.	PER CENT DISTRIBUTION BY GEOGRAPHIC DIVISIONS: 1910						
	Total population.	White.				Negro.	Ind., Chi., Jap., and all other.
		Total.	Native.		Foreign born.		
			Native parentage.	Foreign or mixed parentage.			
United States.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0
The North.....	60.6	66.9	55.3	84.5	84.8	10.5	21.6
New England.....	7.1	7.9	5.3	10.9	13.6	0.7	1.4
Middle Atlantic.....	21.0	23.1	17.1	29.6	36.2	4.3	4.2
East North Central.....	19.8	21.9	19.7	27.0	23.0	3.1	5.4
West North Central.....	12.7	13.9	13.2	17.0	12.1	2.5	10.6
The South.....	32.0	25.1	37.5	6.7	5.4	89.0	22.4
South Atlantic.....	13.3	9.9	14.8	2.3	2.2	41.8	2.6
East South Central.....	9.1	7.0	11.0	1.1	0.7	27.0	6.7
West South Central.....	9.6	8.2	11.7	3.2	2.6	20.2	19.1
The West.....	7.4	8.0	7.2	8.8	9.7	0.5	56.0
Mountain.....	2.9	3.1	3.0	3.3	3.3	0.2	22.2
Pacific.....	4.6	4.9	4.3	5.6	6.5	0.3	33.8

Of the total white population in 1910, about two-thirds (54,640,209, or 66.9 per cent) were in the four northern divisions, and of the negro population, approximately nine-tenths (8,749,427, or 89 per cent) were in the three southern divisions. The Chinese and the Japanese were mainly in the states of the Pacific coast and Rocky Mountains; and the Indians mainly on scattered reservations, and in states lying west of the Mississippi, more than one-fourth (74,825, or 28.2 per cent) being in Oklahoma.

Of the 13,345,545 foreign-born whites in 1910, approximately five-sixths (11,321,016, or 84.8 per cent) were in the four northern divisions; and practically the same proportion (15,967,158, or 84.5 per cent) of the 18,897,837 native whites of foreign or mixed parentage were in these same divisions. Of the total foreign-born white population, 36.2 per cent were in the Middle Atlantic division, a percentage which considerably exceeds the corresponding figure for 1900 (32.3 per cent). The native whites of native parentage were widely distributed, 27,352,035, or 55.3 per cent, of this class in 1910 being in the four northern divisions, 18,561,146, or 37.5 per cent, in the three southern divisions, and 3,575,394, or 7.2 per cent, in the two western divisions.

## COLOR OR RACE, BY DIVISIONS AND STATES: 1910 AND 1900.

Table 12

POPULATION BY COLOR OR RACE.

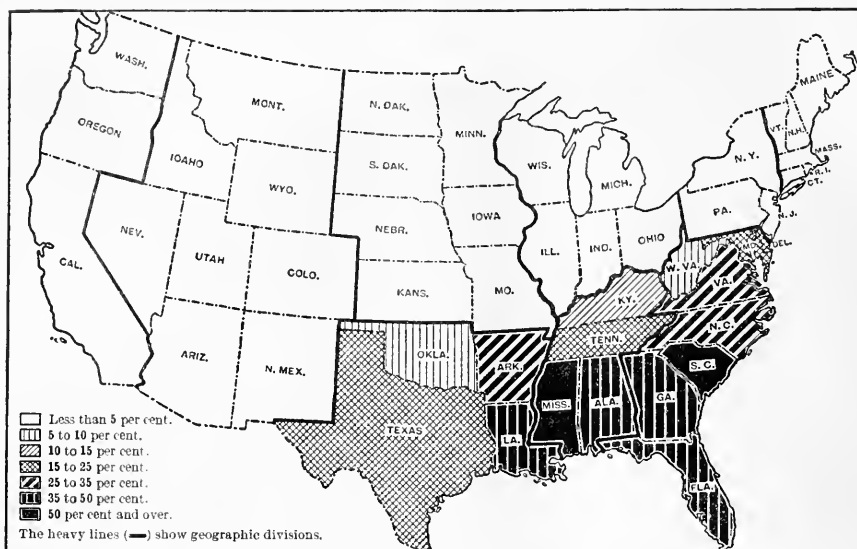
DIVISION AND STATE.	Total.		White.		Negro.		Indian.		Chinese.		Japanese.		All other: 1910
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	
<b>United States.....</b>	<b>91,972,266</b>	<b>75,994,575</b>	<b>81,731,957</b>	<b>66,809,196</b>	<b>9,827,763</b>	<b>8,833,954</b>	<b>265,683</b>	<b>237,195</b>	<b>71,531</b>	<b>89,863</b>	<b>72,157</b>	<b>21,328</b>	<b>3,175</b>
<b>GEOGRAPHIC DIVISIONS:</b>													
New England.....	6,532,681	5,592,017	6,480,514	5,527,026	66,306	59,069	2,076	1,600	3,499	4,203	272	89	14
Middle Atlantic.....	19,315,892	15,454,678	18,880,452	15,110,862	417,870	325,921	7,717	6,959	8,189	10,490	1,643	446	21
East North Central.....	18,550,621	15,985,581	17,927,622	15,710,053	300,836	257,842	18,255	15,027	3,415	2,533	482	126	11
West North Central.....	11,637,921	10,347,423	11,551,621	10,065,817	242,662	237,909	41,406	42,339	1,195	1,135	1,000	223	37
South Atlantic.....	12,194,895	10,443,480	8,071,603	6,706,058	4,112,483	3,729,017	9,054	6,583	1,582	1,791	156	29	12
East South Central.....	8,469,901	7,547,757	5,754,326	5,044,847	2,652,513	2,499,886	2,612	2,590	414	427	26	7	10
West South Central.....	8,784,534	6,532,290	6,721,491	4,771,065	1,984,426	1,694,066	76,767	65,574	1,303	1,555	428	30	119
Mountain.....	2,633,517	1,674,657	2,520,455	1,579,855	21,467	15,590	75,338	66,155	5,614	7,950	10,447	5,107	196
Pacific.....	4,192,304	2,146,692	4,023,873	2,293,613	29,195	14,664	32,438	30,367	46,320	59,779	57,703	18,269	2,755
<b>NEW ENGLAND:</b>													
Maine.....	742,371	694,466	739,955	692,226	1,363	1,319	892	798	108	119	13	4	.....
New Hampshire.....	430,572	411,588	429,006	410,791	564	662	34	22	67	112	1	1	.....
Vermont.....	355,956	343,641	354,298	342,771	1,621	826	26	5	8	39	3	.....	.....
Massachusetts.....	3,366,416	2,805,346	3,324,926	2,769,764	38,055	31,974	688	587	2,582	2,968	151	53	14
Rhode Island.....	542,610	428,556	532,492	419,050	9,529	9,062	284	35	272	366	33	13	.....
Connecticut.....	1,114,756	998,520	1,098,807	892,421	15,174	15,226	152	153	462	599	71	18	.....
<b>MIDDLE ATLANTIC:</b>													
New York.....	9,113,614	7,268,894	8,966,845	7,156,881	134,191	99,232	6,046	5,257	5,266	7,170	1,247	354	19
New Jersey.....	2,537,167	1,833,669	2,445,894	1,812,317	89,760	69,844	168	63	1,139	1,393	206	52	.....
Pennsylvania.....	7,665,111	6,302,115	7,467,713	6,141,664	193,919	156,845	1,503	1,639	1,784	1,927	199	40	2
<b>EAST NORTH CENTRAL:</b>													
Ohio.....	4,767,121	4,157,545	4,654,807	4,060,204	111,482	96,901	127	42	569	371	76	27	.....
Indiana.....	2,700,576	2,516,462	2,639,961	2,453,502	60,340	57,545	279	243	276	207	38	5	2
Illinois.....	5,638,591	4,821,550	5,526,962	4,734,873	109,049	85,078	188	16	2,103	1,503	285	80	4
Michigan.....	2,100,173	2,420,982	2,785,247	2,398,563	17,115	15,816	7,519	6,354	241	240	49	9	.....
Wisconsin.....	2,333,860	2,069,042	2,320,555	2,057,911	2,900	2,542	10,142	8,372	226	212	34	5	3
<b>WEST NORTH CENTRAL:</b>													
Minnesota.....	2,075,708	1,751,394	2,059,227	1,737,036	7,084	4,959	9,053	9,182	275	166	67	51	2
Iowa.....	2,224,771	2,231,833	2,209,191	2,218,667	14,973	12,693	471	382	97	104	36	7	3
Missouri.....	3,293,335	3,106,665	3,134,932	2,944,843	137,452	161,254	313	130	335	499	99	9	4
North Dakota.....	577,056	319,146	569,855	311,712	617	286	6,486	6,968	39	32	59	148	.....
South Dakota.....	583,888	401,570	563,771	380,714	817	465	19,137	20,225	121	165	49	1	.....
Nebraska.....	1,192,214	1,065,300	1,189,293	1,056,526	7,689	6,209	3,502	3,322	112	180	590	3	28
Kansas.....	1,690,949	1,470,495	1,634,332	1,416,319	54,000	52,003	2,444	2,130	16	39	107	4	.....
<b>SOUTH ATLANTIC:</b>													
Delaware.....	202,322	184,735	171,102	153,977	31,181	30,607	5	9	30	51	4	1	.....
Maryland.....	1,295,346	1,188,044	1,062,639	952,424	332,250	235,064	55	3	378	544	24	9	.....
District of Columbia.....	331,069	278,718	236,128	191,532	94,446	86,702	68	22	369	455	47	7	11
Virginia.....	2,061,612	1,854,184	1,889,809	1,192,855	671,996	660,722	539	354	154	243	14	10	.....
West Virginia.....	1,221,119	958,800	1,156,817	915,233	64,173	43,499	36	12	90	56	3	.....	.....
North Carolina.....	2,206,287	1,893,810	1,500,511	1,263,603	697,843	624,469	7,851	5,687	80	51	2	.....	.....
South Carolina.....	1,515,400	1,340,316	679,161	557,807	835,843	782,321	331	121	57	67	8	.....	.....
Georgia.....	2,009,121	2,216,331	1,431,802	1,181,294	1,176,987	1,034,813	95	19	233	204	4	1	.....
Florida.....	732,619	528,542	443,634	297,333	308,669	230,730	74	358	191	120	50	1	1
<b>EAST SOUTH CENTRAL:</b>													
Kentucky.....	2,289,905	2,147,174	2,027,951	1,862,309	261,636	284,706	234	102	52	57	12	.....	.....
Tennessee.....	2,184,789	2,020,616	1,711,432	1,540,186	473,088	480,243	216	108	43	75	8	4	2
Alabama.....	2,138,093	1,828,697	1,228,832	1,001,152	908,282	827,307	969	177	62	58	4	3	4
Mississippi.....	1,797,114	1,551,270	786,111	641,200	1,069,487	907,630	1,253	2,293	257	237	2	.....	4
<b>WEST SOUTH CENTRAL:</b>													
Arkansas.....	1,574,449	1,311,564	1,131,026	944,580	442,891	366,856	460	66	62	62	9	.....	1
Louisiana.....	1,656,388	1,381,625	941,086	729,612	713,874	650,804	780	593	597	569	31	17	110
Oklahoma <sup>1</sup> .....	1,657,155	790,391	1,444,531	670,204	137,612	55,684	74,825	64,445	139	58	48	.....	.....
Texas.....	3,896,542	3,048,710	3,204,848	2,426,669	660,049	620,722	702	470	395	836	340	13	8
<b>MOUNTAIN:</b>													
Montana.....	376,053	243,329	360,580	226,283	1,834	1,523	10,745	11,343	1,285	1,739	1,585	2,441	24
Idaho.....	325,594	161,772	319,221	154,495	651	293	3,488	4,226	829	1,467	1,363	1,291	12
Wyoming.....	145,965	92,531	140,318	93,051	2,235	940	1,486	1,686	246	461	1,596	393	81
Colorado.....	799,024	539,700	783,415	529,946	11,453	8,570	1,482	1,437	373	599	2,300	48	1
New Mexico.....	327,301	195,310	304,594	180,207	1,628	1,610	20,573	13,144	248	341	258	8	.....
Arizona.....	204,354	122,931	171,468	92,903	2,009	1,848	29,201	26,480	1,305	1,419	371	281	.....
Utah.....	373,351	276,749	366,583	272,465	1,144	672	3,123	2,623	371	572	2,110	417	20
Nevada.....	81,875	42,335	74,276	35,405	513	134	5,240	5,216	927	1,352	864	228	55
<b>PACIFIC:</b>													
Washington.....	1,141,990	518,103	1,109,111	496,304	6,058	5,154	10,997	10,039	2,769	3,629	12,929	5,617	186
Oregon.....	672,765	413,536	655,090	394,582	1,492	1,105	5,090	4,951	7,363	10,397	3,418	2,501	312
California.....	2,377,549	1,485,953	2,250,672	1,402,727	21,645	11,045	16,371	15,377	36,218	45,753	41,356	10,151	2,257

<sup>1</sup> Includes population of Indian Territory for 1900.

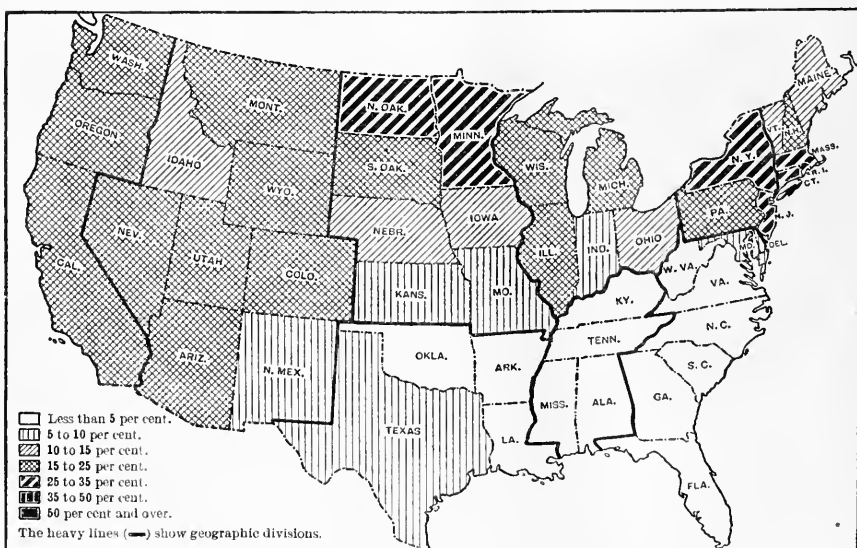


## ABSTRACT OF THE CENSUS—POPULATION.

PERCENTAGE OF NEGROES IN THE TOTAL POPULATION: 1910.

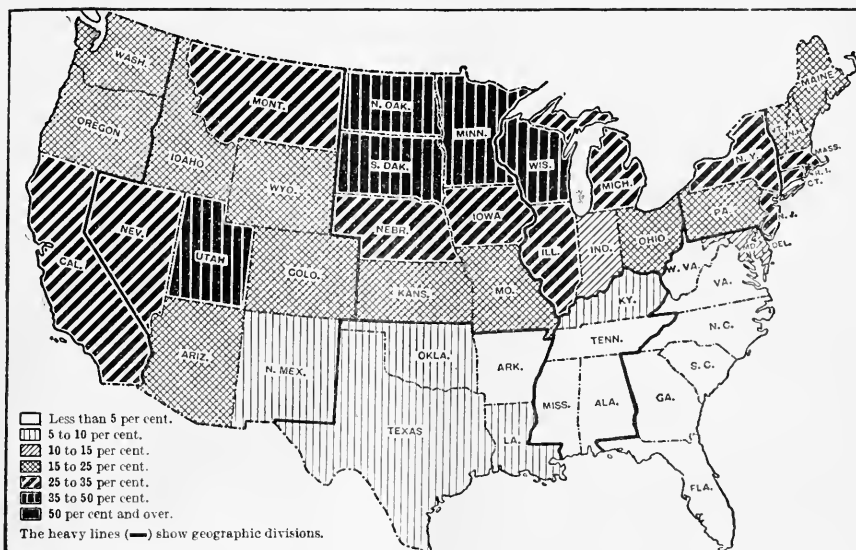


PERCENTAGE OF FOREIGN-BORN WHITES IN THE TOTAL POPULATION: 1910.

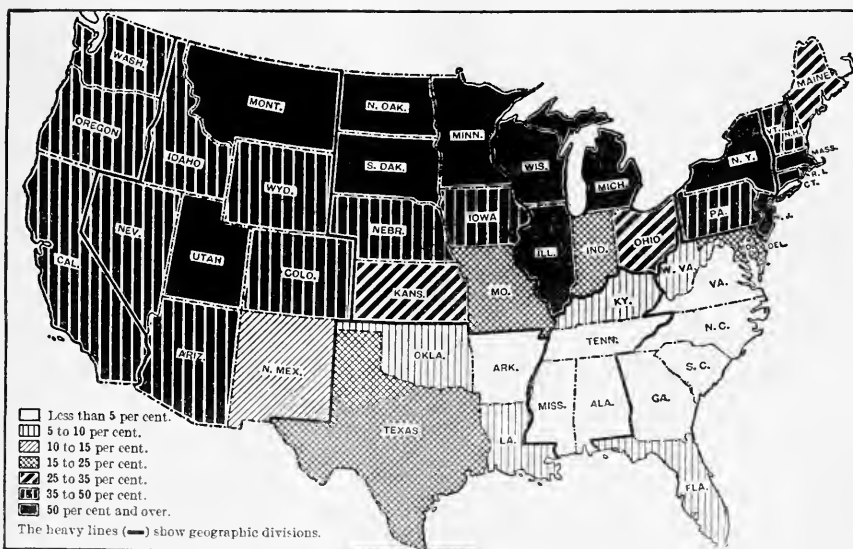




PERCENTAGE OF NATIVE WHITES OF FOREIGN OR MIXED PARENTAGE IN THE TOTAL POPULATION: 1910.



PERCENTAGE OF FOREIGN-BORN WHITES AND NATIVE WHITES OF FOREIGN OR MIXED PARENTAGE COMBINED IN THE TOTAL POPULATION: 1910.



COLOR OR RACE, NATIVITY, AND PARENTAGE—PER CENT DISTRIBUTION, BY DIVISIONS AND STATES: 1910 AND 1900.

Table 11

PER CENT OF TOTAL POPULATION.

DIVISION AND STATE.	PER CENT OF TOTAL POPULATION.																	
	White.		Negro.		Indian, Chinese, Japanese, and all other.		Total.		Native white.				Foreign-born white.		Total native (all races).		Total foreign born (all races).	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
<b>United States.....</b>	<b>88.9</b>	<b>87.9</b>	<b>10.7</b>	<b>11.6</b>	<b>0.4</b>	<b>0.5</b>	<b>74.4</b>	<b>74.5</b>	<b>53.8</b>	<b>53.9</b>	<b>20.5</b>	<b>20.6</b>	<b>14.5</b>	<b>13.4</b>	<b>85.3</b>	<b>86.4</b>	<b>14.7</b>	<b>13.6</b>
<b>GEOGRAPHIC DIVISIONS:</b>																		
New England.....	98.9	98.8	1.0	1.1	0.1	0.1	71.2	73.1	39.9	44.9	31.3	28.2	27.7	25.7	72.1	74.2	27.9	25.8
Middle Atlantic.....	97.7	97.8	2.2	2.1	0.1	0.1	72.8	76.4	43.8	47.9	28.9	28.5	25.0	21.4	74.9	78.5	25.1	21.5
East North Central.....	98.2	98.3	1.6	1.6	0.1	0.1	81.4	81.9	53.4	53.1	28.0	28.8	16.8	16.4	83.2	83.6	16.8	16.4
West North Central.....	97.5	97.3	2.1	2.3	0.4	0.4	83.7	82.5	56.1	54.7	27.6	27.8	13.9	14.8	86.1	85.2	13.9	14.8
South Atlantic.....	66.2	64.2	33.7	35.7	0.1	0.1	63.8	62.2	60.2	58.5	3.6	3.7	2.4	2.0	97.5	97.9	2.5	2.1
East South Central.....	68.4	66.8	31.5	33.1	(1)	(1)	67.4	65.7	64.8	62.6	2.6	3.0	1.0	1.2	99.0	98.8	1.0	1.2
West South Central.....	76.5	73.0	22.6	25.9	0.9	1.0	72.5	68.0	65.7	61.7	6.9	7.3	4.0	4.0	96.0	95.9	4.0	4.1
Mountain.....	95.7	94.3	0.8	0.9	3.5	4.7	79.1	77.1	55.7	51.1	23.4	26.1	16.6	17.2	82.8	82.0	17.2	18.0
Pacific.....	96.0	94.9	0.7	0.6	3.3	4.5	75.4	75.4	50.3	48.2	25.1	27.1	20.5	19.6	77.2	77.5	22.8	22.5
<b>NEW ENGLAND:</b>																		
Maine.....	99.7	99.7	0.2	0.2	0.1	0.1	84.8	86.3	66.7	71.0	18.2	15.3	14.8	13.4	85.1	86.6	14.9	13.4
New Hampshire.....	99.8	99.8	0.1	0.2	(1)	(1)	77.4	78.4	53.5	58.9	23.9	19.5	22.4	21.4	77.5	78.6	22.5	21.4
Vermont.....	99.5	99.7	0.5	0.2	(1)	(1)	85.5	86.7	64.4	65.6	21.1	21.2	14.0	13.0	86.0	87.0	14.0	13.0
Massachusetts.....	98.8	98.7	1.1	1.1	0.1	0.1	67.5	68.8	32.8	36.8	34.8	32.0	31.2	29.9	68.5	69.8	31.5	30.2
Rhode Island.....	98.1	97.8	1.8	2.1	0.1	0.1	65.3	66.6	29.5	33.8	35.9	32.7	32.8	31.2	67.0	68.6	33.0	31.4
Connecticut.....	98.6	98.2	1.4	1.7	0.1	0.1	69.1	72.1	35.5	41.0	33.6	31.1	29.5	26.1	70.4	73.8	29.6	26.2
<b>MIDDLE ATLANTIC:</b>																		
New York.....	98.4	98.4	1.5	1.4	0.1	0.2	68.4	72.5	35.4	39.2	33.0	33.2	29.9	26.0	69.8	73.9	30.2	26.1
New Jersey.....	96.4	96.2	3.5	3.7	0.1	0.1	70.5	73.4	39.8	43.8	30.7	29.5	22.8	18.8	74.0	77.1	26.0	22.9
Pennsylvania.....	97.4	97.5	2.5	2.5	(1)	(1)	78.7	81.9	55.1	59.2	23.6	22.7	18.8	15.6	81.2	84.4	18.8	15.6
<b>EAST NORTH CENTRAL:</b>																		
Ohio.....	97.6	97.7	2.3	2.3	(1)	(1)	85.1	86.6	63.6	63.8	21.5	22.9	12.5	11.0	87.4	89.0	12.6	11.0
Indiana.....	97.7	97.7	2.2	2.3	(1)	(1)	91.8	92.1	78.9	77.6	13.0	14.5	5.9	5.6	94.1	94.4	5.9	5.6
Illinois.....	98.0	98.2	1.9	1.8	(1)	(1)	76.7	78.2	46.1	47.1	30.6	31.1	21.3	20.0	78.6	79.9	21.4	20.1
Michigan.....	99.1	99.1	0.6	0.7	0.3	0.3	77.9	76.8	43.6	42.4	34.3	34.4	21.2	22.3	78.7	77.6	21.3	22.4
Wisconsin.....	98.4	99.5	0.1	0.1	0.4	0.4	77.5	74.5	32.7	28.3	44.8	46.2	22.0	24.9	78.0	75.1	22.0	24.9
<b>WEST NORTH CENTRAL:</b>																		
Minnesota.....	99.2	99.2	0.3	0.3	0.5	0.5	73.0	70.3	27.7	24.3	45.3	46.0	26.2	24.8	73.8	71.1	26.2	28.9
Iowa.....	99.3	99.4	0.7	0.6	(1)	(1)	87.0	85.7	58.6	56.5	28.4	29.2	12.3	13.7	87.7	86.3	12.3	13.7
Missouri.....	95.2	94.8	4.8	5.2	(1)	(1)	88.2	87.8	72.5	71.0	15.7	16.9	7.0	6.9	93.0	93.0	7.0	7.0
North Dakota.....	98.8	97.7	0.1	0.1	1.1	2.2	71.7	62.4	28.2	20.6	43.5	41.8	27.1	35.3	72.9	64.6	27.1	35.4
South Dakota.....	96.6	94.8	0.1	0.1	3.3	5.1	79.3	72.8	42.1	33.9	37.2	38.9	17.2	22.0	82.7	78.0	17.3	22.0
Nebraska.....	99.0	99.1	0.6	0.6	0.4	0.3	84.2	82.5	53.9	51.9	30.4	30.6	14.8	16.6	85.2	83.4	14.8	16.6
Kansas.....	96.7	93.3	3.2	3.5	0.2	0.1	88.7	87.7	71.4	68.9	17.3	18.8	8.0	8.6	92.0	91.4	8.0	8.6
<b>SOUTH ATLANTIC:</b>																		
Delaware.....	84.6	83.4	15.4	16.6	(1)	(1)	76.0	75.9	63.2	63.9	12.8	12.0	8.6	7.4	91.4	92.5	8.6	7.5
Maryland.....	82.0	80.2	17.9	19.8	(1)	(1)	74.0	72.3	59.2	57.2	14.8	15.1	8.0	7.8	91.9	92.1	8.1	7.9
District of Columbia.....	71.3	68.7	28.5	31.1	0.1	0.2	64.0	61.7	50.4	48.1	13.6	13.6	7.4	7.0	92.5	92.8	7.5	7.2
Virginia.....	67.4	64.3	32.6	35.6	(1)	(1)	66.1	63.3	64.3	61.5	1.8	1.8	1.3	1.0	98.7	99.0	1.3	1.0
West Virginia.....	94.7	95.5	5.3	4.5	(1)	(1)	90.1	93.1	85.3	88.0	4.7	5.1	4.7	2.3	95.3	97.7	4.7	2.3
North Carolina.....	68.0	66.7	31.6	33.0	0.4	0.3	67.7	66.5	67.3	66.0	0.4	0.4	0.3	0.2	99.7	99.8	0.3	0.2
South Carolina.....	44.8	41.6	55.2	58.4	(1)	(1)	44.4	41.2	43.7	40.3	0.7	0.9	0.4	0.4	99.6	99.6	0.4	0.4
Georgia.....	54.9	53.3	45.1	46.7	(1)	(1)	54.3	52.8	53.3	51.6	1.0	1.1	0.6	0.5	99.4	99.4	0.6	0.6
Florida.....	58.9	56.3	41.0	43.7	(1)	0.1	54.4	52.6	49.7	48.1	4.8	4.5	4.5	3.6	94.6	95.5	5.4	4.5
<b>EAST SOUTH CENTRAL:</b>																		
Kentucky.....	88.6	86.7	11.4	13.3	(1)	(1)	86.8	84.4	81.4	77.9	5.4	6.5	1.7	2.3	98.2	97.7	1.8	2.3
Tennessee.....	78.3	76.2	21.7	23.8	(1)	(1)	77.5	75.4	75.7	73.3	1.8	2.0	0.8	0.9	99.1	99.1	0.9	0.9
Alabama.....	57.5	54.7	42.5	45.2	(1)	(1)	56.6	54.0	55.1	52.3	1.5	1.6	0.9	0.8	99.1	99.2	0.9	0.8
Mississippi.....	43.7	41.3	56.2	58.5	0.1	0.2	43.2	40.8	42.1	39.6	1.1	1.3	0.5	0.5	99.5	99.5	0.5	0.5
<b>WEST SOUTH CENTRAL:</b>																		
Arkansas.....	71.8	72.0	28.1	28.0	(1)	(1)	70.8	70.9	68.4	68.4	2.3	2.5	1.1	1.1	98.9	98.9	1.1	1.1
Louisiana.....	56.8	52.8	43.1	47.1	0.1	0.1	53.7	49.1	46.9	41.3	6.8	7.8	3.1	3.8	96.8	96.2	3.2	3.8
Oklahoma.....	87.2	84.8	8.3	7.0	4.5	8.2	84.8	82.2	79.1	76.1	5.7	6.1	2.4	2.6	97.6	97.4	2.4	2.6
Texas.....	82.2	79.6	17.7	20.4	(1)	(1)	76.1	73.8	66.8	64.3	9.3	9.5	6.2	5.8	93.8	94.1	6.2	5.9
<b>MOUNTAIN:</b>																		
Montana.....	95.9	93.0	0.5	0.6	3.6	6.4	71.5	67.4	43.1	38.2	28.4	29.2	24.4	25.6	74.8	72.4	25.2	27.6
Idaho.....	98.0	95.5	0.2	0.2	1.8	4.3	85.6	82.0	62.5	55.5	23.1	26.4	12.4	13.5	86.9	84.8	13.1	15.2
Wyoming.....	98.1	96.2	1.5	1.0	2.3	2.7	77.6	78.3	55.3	51.9	22.3	26.5	15.6	17.9	80.1	81.2	19.9	18.8
Colorado.....	96.0	96.0	1.4	1.6	0.5	0.4	82.2	81.3	59.5	57.7	22.7	23.6	15.9	16.8	93.8	93.1	16.2	16.9
New Mexico.....	93.1	92.3	0.5	0.8	6.4	6.9	86.1	85.5	78.1	76.3	8.0	9.2	6.9	6.8	92.9	93.0	7.1	7.0
Arizona.....	83.9	75.6	1.0	1.5	15.1	22.9	61.0	57.4	40.4	36.5	20.6	20.9	22.9	15.2	76.1	80.3	23.9	19.7
Utah.....	98.2	98.5	0.3	0.2	1.5	1.3	81.2	79.4	46.0	37.6	35.2	41.8	17.9	19.1	82.4	80.6	17.6	19.4
Nevada.....	90.7	83.6	0.6	0.3	8.7	16.1	68.7	63.4	43.1	35.7	25.6	27.7	22.0	20.3	75.9	76.2	24.1	23.8
<b>PACIFIC:</b>																		
Washington.....	97.1	95.8	0.5	0.5	2.3	3.7	76.0	76.1	51.3	51.2	24.7	24.9	21.1	19.7	77.6	78.5	22.4	21.5
Oregon.....	97.4	95.4	0.2	0.3	2.4	4.3	82.1	82.4	62.0	61.9	20.1	20.5	15.3	13.				

The distribution by color or race, nativity, and parentage of the population of each division and state in 1910 and 1900 is shown by percentages in Table 14. The figures for 1910 may be more readily grasped by means of the accompanying diagram and the four maps on pages 84 and 85.

COLOR OR RACE, NATIVITY, AND PARENTAGE: 1910.

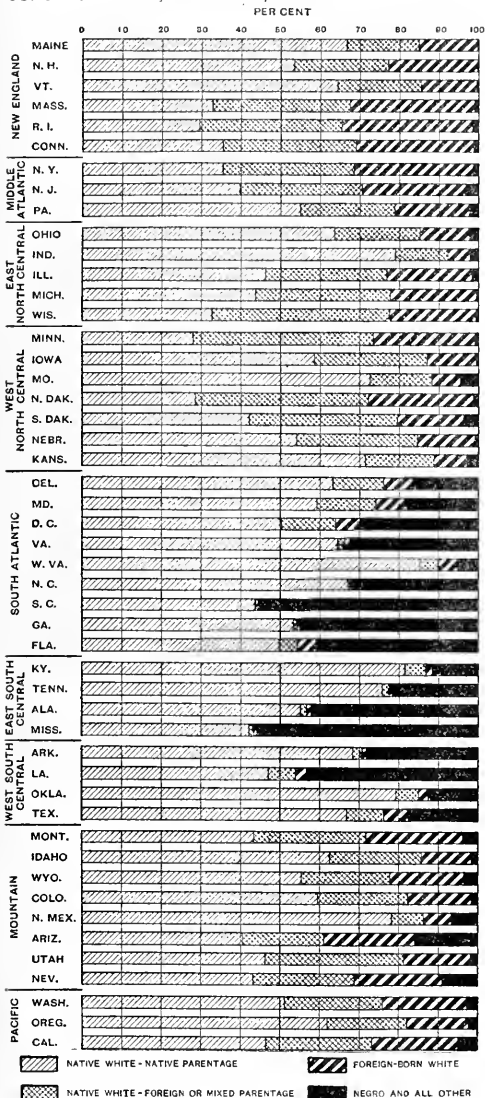


Table 15

SECTION AND DIVISION.	PER CENT OF TOTAL POPULATION: 1910					
	White.	Negro.	Ind., Chl., Jap., and all other.	Native white.		Foreign- born white.
				Native parent- age.	Foreign or mixed parent- age.	
United States.....	88.9	10.7	0.4	53.8	20.5	14.5
The North.....	98.0	1.8	0.2	49.1	28.6	20.3
New England.....	98.9	1.0	0.1	39.9	31.3	27.7
Middle Atlantic.....	97.7	2.2	0.1	43.8	28.9	25.0
East North Central.....	98.2	1.6	0.1	53.4	28.0	16.8
West North Central.....	97.5	2.1	0.4	56.1	27.6	13.9
The South.....	69.9	29.8	0.3	63.2	4.3	2.5
South Atlantic.....	66.2	33.7	0.1	60.2	3.6	2.4
East South Central.....	68.4	31.5	(*)	64.8	2.6	1.0
West South Central.....	76.5	22.6	0.9	65.7	6.9	4.0
The West.....	95.9	0.7	3.4	52.4	24.5	19.0
Mountain.....	95.7	0.8	3.5	55.7	23.4	16.6
Pacific.....	96.0	0.7	3.3	50.3	25.1	20.5

\* Less than one-tenth of 1 per cent.

In 1910 whites constituted 98 per cent of the total population in the North, 95.9 per cent in the West, and 69.9 per cent in the South. The nonwhite population in the North and in the South consists chiefly of negroes, but in the West it consists chiefly of Indians, Chinese, and Japanese.

Among the nine geographic divisions the proportion of whites in 1910 was highest in New England (98.9 per cent) and lowest in the South Atlantic division (66.2 per cent); among the individual states it was highest in New Hampshire (99.8 per cent) and lowest in Mississippi and South Carolina, the only states where whites constituted less than one-half of the population.

Native whites of native parentage constituted in 1910 approximately one-half of the total population of the North (49.1 per cent) and of the West (52.4 per cent), but in the South they constituted a little over five-eighths (63.2 per cent) of the total. Native whites of foreign or mixed parentage formed 28.6 per cent of the total population in the North, 24.5 per cent in the West, and only 4.3 per cent in the South. Foreign-born whites constituted a much larger proportion in the North (20.3 per cent) and in the West (19 per cent) than in the South (2.5 per cent).

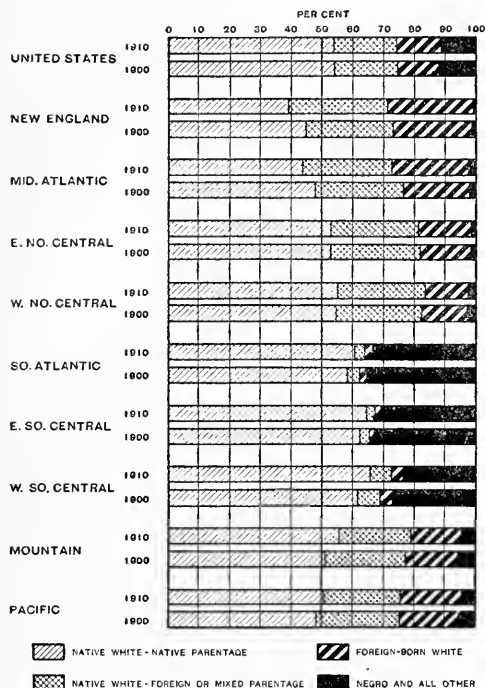
Considering the nine geographic divisions, the proportion of native whites of native parentage in the total population was highest in the West South Central division (65.7 per cent), but was approximately the same in the East South Central (64.8 per cent); it was lowest in New England (39.9 per cent). On the other hand, the proportion of native whites of foreign or mixed parentage was highest in New England (31.3 per cent) and lowest in the East South Central division (2.6 per cent). These same two divisions, likewise, ranked highest and lowest, respectively, in the proportion of foreign-born whites (27.7 per cent and 1 per cent of their total population, respectively).

Table 14 also shows the composition of the population of each division and state in 1910 in comparison

Table 15, derived from Table 14, presents percentages for 1910 for each division and for each of the three great geographic sections, the North, the South, and the West.

with that in 1900. For the nine geographic divisions the changes which have taken place are shown in the accompanying diagram.

COLOR OR RACE, NATIVITY, AND PARENTAGE: 1910 AND 1900.



Comparing the percentages for 1910 with those for 1900, as shown in Table 14, it appears that whites formed a larger proportion of the total population in 1910 than in 1900 in each geographic division except the Middle Atlantic and the East North Central, in both of which the change in the other direction was insignificant. In every Southern state except West Virginia and Arkansas the proportion of whites was appreciably higher in 1910 than in 1900.

Of the total population of the United States, 53.8 per cent were native whites of native parentage in 1910 and 53.9 per cent in 1900. But while the percentage remained practically unchanged for the country as a whole, it decreased in every New England and Middle Atlantic state and also in Ohio, Illinois, Delaware, and West Virginia. On the other hand, the native whites of foreign or mixed parentage constituted a greater proportion of the population in 1910 than in 1900 in most of the states of the New England and Middle Atlantic divisions, while the proportion declined or remained unchanged in every

state outside of these two divisions except North Dakota, Delaware, and Florida. The foreign-born whites formed a larger proportion of the population in 1910 than in 1900 in the New England, Middle Atlantic, East North Central, South Atlantic, and Pacific divisions, but a smaller proportion in the West North Central, East South Central, and Mountain divisions. The slight changes in the small percentages of foreign-born whites in the southern divisions, however, are not especially significant. The increase in the proportion of foreign-born whites was most marked in the Middle Atlantic division (from 21.4 per cent in 1900 to 25 per cent in 1910). The proportion was, however, even somewhat higher in New England, although the change between 1900 and 1910 (from 25.7 to 27.7 per cent) was less. The increase in the proportion of foreign-born whites was greatest in Arizona (from 18.2 per cent in 1900 to 22.9 in 1910), New York (from 26 per cent to 29.9 per cent), Connecticut (from 26.1 to 29.5), Pennsylvania (from 15.6 to 18.8), and New Jersey (from 22.8 to 25.9).

In Table 14 are given also the percentages native and foreign born in the aggregate population. As already stated, practically all negroes and Indians are native, while most of the Chinese and Japanese are foreign born. Except, however, in the South and in some Western states the colored elements in the population are not of sufficient importance to make the percentages for the total native and total foreign-born population differ materially from the percentages for the native white and foreign-born white. These differences are easily interpreted if the geographic distribution of the colored elements is kept in mind.

Broadly speaking, the percentage of foreign born has increased in the East and the far West but declined or remained practically stationary in the central and southern portions of the United States.

**White population by nativity and parentage.**—Table 16 shows for each division and state in 1910 and 1900 the percentage of the total white population represented by each nativity or parentage group.

Naturally in those sections of the country where the population is almost all white the difference between the percentage which any class of the white population forms of the total population and the percentage which it forms of the white population is inappreciable. In the South, however, the difference is very marked. In the South Atlantic division the native whites of native parentage in 1910 constituted 60.2 per cent of the total population, but 91 per cent of the white population. In the East South Central division the percentages were 64.8 and 94.8, respectively; in the West South Central, 65.7 and 85.8. Of the white population of North Carolina in 1910, 99 per cent were natives of native parentage, the corresponding percentage in

South Carolina being 97.5; in Georgia, 97.2; in Tennessee, 96.7; in Mississippi, 96.3; in Alabama, 95.8; in Virginia, 95.4; and in Arkansas, 95.3.

**Table 16** PER CENT OF TOTAL WHITE POPULATION.

DIVISION AND STATE.	Native.								Foreign born.	
	Total.		Native parentage.		Foreign or mixed parentage.					
	1910	1900	1910	1900	1910	1900	1910	1900		
<b>United States.</b>	<b>83.7</b>	<b>84.7</b>	<b>60.5</b>	<b>61.3</b>	<b>23.1</b>	<b>23.4</b>	<b>16.3</b>	<b>15.3</b>		
<b>GEOGRAPHIC DIVISIONS:</b>										
New England.....	72.0	74.0	40.3	45.4	31.7	28.6	28.0	26.0		
Middle Atlantic.....	74.4	78.1	44.8	49.0	29.6	29.1	23.6	21.9		
East North Central.....	82.9	83.3	54.4	54.0	28.5	29.3	17.1	16.7		
West North Central.....	85.8	84.8	57.5	56.2	28.3	28.6	14.2	15.2		
South Atlantic.....	96.4	96.9	91.0	91.1	5.4	5.8	3.6	3.1		
West South Central.....	98.5	98.2	94.8	93.7	3.7	4.5	1.5	1.8		
West South Central.....	94.8	94.5	85.8	84.4	9.0	10.0	5.2	5.5		
Mountain.....	82.7	81.7	58.2	54.1	24.5	27.6	17.3	18.3		
Pacific.....	78.6	79.4	52.4	50.8	26.2	28.6	21.4	20.6		
<b>NEW ENGLAND:</b>										
Maine.....	85.1	86.6	66.9	71.2	18.2	15.3	14.9	13.4		
New Hampshire.....	77.5	78.6	53.6	59.1	24.0	19.5	22.5	21.4		
Vermont.....	85.9	87.0	64.7	65.8	21.2	21.2	14.1	13.0		
Massachusetts.....	68.4	69.7	33.2	37.3	35.2	32.4	31.6	30.3		
Rhode Island.....	66.6	68.1	30.0	34.6	36.6	33.5	33.4	31.9		
Connecticut.....	70.1	73.4	36.0	41.8	34.1	31.6	29.9	26.6		
<b>MIDDLE ATLANTIC:</b>										
New York.....	69.6	73.6	36.0	39.8	33.5	33.8	30.4	26.4		
New Jersey.....	73.1	76.3	41.3	45.6	31.8	30.7	26.9	23.7		
Pennsylvania.....	80.7	84.0	56.5	60.7	24.2	23.3	19.3	16.0		
<b>EAST NORTH CENTRAL:</b>										
Ohio.....	87.2	88.7	65.2	65.3	22.0	23.4	12.8	11.3		
Indiana.....	94.0	94.2	80.7	79.4	13.3	14.8	6.0	5.8		
Illinois.....	78.2	79.6	47.1	48.0	31.2	31.6	21.8	20.4		
Michigan.....	78.6	77.5	44.0	42.8	34.6	34.7	21.4	22.5		
Wisconsin.....	77.9	74.9	32.9	28.6	45.0	46.5	22.1	25.1		
<b>WEST NORTH CENTRAL:</b>										
Minnesota.....	73.6	70.9	27.9	24.5	45.7	46.4	26.4	29.1		
Iowa.....	87.6	86.2	59.0	56.8	28.6	29.4	12.4	13.8		
Missouri.....	92.7	92.7	76.2	74.9	16.5	17.8	7.3	7.3		
North Dakota.....	72.6	63.9	28.5	21.7	44.1	42.8	27.4	36.1		
South Dakota.....	82.2	76.8	43.6	35.8	38.6	41.0	17.8	23.2		
Nebraska.....	85.1	83.2	52.4	52.4	30.7	30.8	14.9	16.8		
Kansas.....	91.7	91.1	73.9	71.6	17.9	19.5	8.3	8.9		
<b>SOUTH ATLANTIC:</b>										
Delaware.....	89.8	91.1	74.7	76.7	15.1	14.4	10.2	8.9		
Maryland.....	90.2	90.2	72.1	71.4	18.1	18.8	9.8	9.8		
District of Columbia.....	89.7	89.8	70.6	70.0	19.1	19.8	10.3	10.2		
Virginia.....	96.1	96.4	95.4	95.7	0.7	0.7	1.9	1.6		
West Virginia.....	95.1	97.6	90.1	92.2	5.0	5.3	4.9	2.4		
North Carolina.....	99.6	99.7	99.0	99.0	0.6	0.7	0.4	0.3		
South Carolina.....	99.1	99.0	97.5	96.9	1.6	2.1	0.9	1.0		
Georgia.....	98.9	99.0	97.2	96.9	1.8	2.1	1.1	1.0		
Florida.....	92.4	93.5	84.3	85.4	8.1	8.1	7.6	6.5		
<b>EAST SOUTH CENTRAL:</b>										
Kentucky.....	98.0	97.3	91.9	89.9	6.1	7.5	2.0	2.7		
Tennessee.....	98.9	98.9	96.7	96.2	2.2	2.7	1.1	1.1		
Alabama.....	98.6	98.6	95.8	95.6	2.6	3.0	1.5	1.4		
Mississippi.....	98.8	98.8	96.3	95.8	2.5	3.0	1.2	1.2		
<b>WEST SOUTH CENTRAL:</b>										
Arkansas.....	98.5	98.5	95.3	95.0	3.2	3.5	1.5	1.5		
Louisiana.....	94.5	92.9	82.5	78.1	12.0	14.8	5.5	7.1		
Oklahoma.....	97.2	97.0	90.7	89.8	6.5	7.2	2.8	3.0		
Texas.....	92.5	92.7	81.2	80.8	11.3	11.9	7.5	7.3		
<b>MOUNTAIN:</b>										
Montana.....	74.6	72.4	45.0	41.1	29.6	31.4	25.4	27.6		
Idaho.....	87.3	85.8	63.8	58.2	23.6	27.7	12.7	14.2		
Wyoming.....	80.7	81.4	57.5	53.9	23.2	27.5	19.3	18.6		
Colorado.....	83.8	82.9	60.6	58.8	23.2	24.1	16.2	17.1		
New Mexico.....	92.6	92.6	83.9	82.7	8.6	9.9	7.4	7.4		
Arizona.....	72.7	75.9	48.1	48.3	24.6	27.6	27.3	24.1		
Utah.....	82.7	80.6	46.8	48.2	35.9	42.4	17.3	19.4		
Nevada.....	75.8	75.8	47.6	42.7	28.2	33.1	24.2	24.2		
<b>PACIFIC:</b>										
Washington.....	78.3	79.4	52.8	53.4	25.5	26.0	21.7	20.6		
Oregon.....	84.3	86.3	63.6	64.9	20.6	21.4	15.7	13.7		
California.....	77.1	77.4	49.0	45.9	28.1	31.5	22.9	22.6		

<sup>1</sup> Includes Indian Territory for 1900.

In both the New England and the Middle Atlantic divisions the native whites of native parentage constituted less than half the whole number of white persons in 1910. In Minnesota only 27.9 per cent, or hardly more than one-fourth, of the total white population were natives of native parentage. The percent-

age was almost as low in North Dakota, where it was 28.5; in Wisconsin it was 32.9. Other low percentages were found in the East. In Rhode Island 30 per cent of the white population were natives of native parentage; in Massachusetts, 33.2 per cent; in Connecticut, and also in New York, 36 per cent. These are all the states in which less than two-fifths of the white population were natives of native parentage. There are also nine other states where the native whites of native parentage formed less than half the white population. In several states the native whites of native parentage were exceeded in number by those of foreign or mixed parentage. This was the case in Massachusetts, Rhode Island, Wisconsin, Minnesota, and North Dakota.

**Increase by color or race, nativity, and parentage.**—The absolute and relative increase during the decade 1900–1910 is shown by divisions and states for the principal color or race, nativity, and parentage elements in Table 17.

The statistics in this table are particularly useful in that they show the relative increase of the several elements within a single division or state. Differences among divisions or states with reference to the rate of increase for any given class may result merely from the general differences in the rate at which the population as a whole is increasing. In considering these statistics it should be borne in mind that the increase in any given class by no means represents exactly the natural growth by excess of births over deaths. Aside from the factors which have already been mentioned as contributing to the growth of the several elements, particularly the white elements, in the country as a whole (see page 78), the growth in individual states and divisions is largely affected by interstate and inter-divisional migration.

Between 1900 and 1910 the white population increased more rapidly than the negro in each of the three southern divisions, where negroes are most numerous, and also in the New England, West North Central, and Mountain divisions. In the Middle Atlantic, East North Central, and Pacific divisions, however, the negroes increased the more rapidly, but in the Pacific division there are still very few negroes. In the South as a whole the white population increased from 16,521,970 to 20,547,420, or 24.4 per cent, while the negroes increased from 7,922,969 to 8,749,427, or 10.4 per cent. Migration of whites to the South and of negroes to the North accounts in part for this difference. Many of the individual states in the northern and western divisions present conditions as to the relative growth of the white and negro population differing from those shown by the divisions in which the states are located. In the South, however, the only states where the negroes increased faster than the whites were Arkansas, Oklahoma, and West Virginia.

## INCREASE BY COLOR OR RACE, NATIVITY, AND PARENTAGE, BY DIVISIONS AND STATES: 1900-1910.

[Per cent not shown where base is less than 100. A minus sign (—) denotes decrease.]

Table 17 DIVISION AND STATE.	TOTAL.		WHITE.		NEGRO.		INDIAN, CHINESE, JAPANESE, AND ALL OTHER.		NATIVE WHITE.						FOREIGN-BORN WHITE.	
	Total.		White.		Negro.		Indian, Chinese, Japanese, and all other.		Total.		Native parentage.		Foreign or mixed par.		Foreign-born white.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
United States.....	15,977,691	21.0	14,922,761	22.3	993,769	11.2	61,161	17.4	11,791,033	20.8	8,539,213	20.9	3,251,820	20.8	3,131,728	30.7
GEOGRAPHIC DIVISIONS:																
New England.....	960,664	17.2	953,488	17.3	7,207	12.2	—31	—0.5	575,974	14.1	102,309	4.1	473,665	30.0	377,514	26.3
Middle Atlantic.....	3,861,214	25.0	3,769,590	24.9	91,649	28.2	—325	—1.8	2,245,527	19.0	1,056,382	14.3	1,189,145	27.0	1,524,063	46.2
East North Central.....	2,265,040	14.2	2,217,569	14.1	42,994	16.7	4,477	25.3	1,770,646	13.5	1,263,952	14.9	506,694	11.0	446,923	17.1
West North Central.....	1,290,408	12.5	1,285,804	12.8	4,753	2.0	—50	—0.1	1,203,678	14.1	862,784	15.2	340,894	11.9	82,126	5.4
South Atlantic.....	1,751,415	16.8	1,365,545	20.4	383,471	10.3	2,369	28.5	1,283,873	19.8	1,233,891	20.2	49,982	12.8	81,672	39.1
East South Central.....	862,144	11.4	769,479	14.1	132,627	6.1	38	1.3	712,304	14.4	726,718	15.4	—14,414	—6.3	—2,825	—3.2
West South Central.....	2,252,244	34.5	1,950,426	40.9	290,346	17.1	11,458	17.1	1,865,677	41.4	1,738,505	43.2	127,172	26.6	84,749	32.1
Mountain.....	958,800	37.5	940,600	39.5	5,877	37.7	12,383	15.6	792,651	61.3	611,523	71.5	180,528	41.4	148,540	51.5
Pacific.....	1,775,612	73.5	1,730,260	75.4	14,531	99.1	30,821	28.4	1,341,303	73.7	943,149	80.9	398,154	60.7	388,957	82.3
NEW ENGLAND:																
Maine.....	47,905	6.9	47,769	6.9	44	3.3	92	10.6	30,571	5.1	1,825	0.4	28,746	27.1	17,198	18.5
New Hampshire.....	18,984	4.6	19,115	4.7	—98	—14.8	—33	—24.4	10,518	3.3	—12,383	—5.1	22,901	28.5	8,597	9.8
Vermont.....	12,315	3.6	11,527	3.4	795	96.2	—7	—0.001	6,360	2.1	4,001	1.8	2,359	3.2	5,167	11.6
Massachusetts.....	561,070	20.0	555,102	20.0	6,081	19.0	—173	—4.8	344,226	17.8	71,165	6.9	273,061	30.4	210,936	23.1
Rhode Island.....	114,654	26.6	113,642	27.1	437	4.8	173	42.3	69,189	24.3	14,835	10.2	54,354	38.7	44,253	33.1
Connecticut.....	206,336	22.7	206,473	23.1	—52	—0.3	—85	—11.0	115,110	17.6	22,866	6.1	92,244	32.7	91,363	38.5
MIDDLE ATLANTIC:																
New York.....	1,844,720	25.4	1,809,964	25.3	34,959	35.2	—203	—1.6	970,215	18.4	378,812	13.3	591,403	24.5	839,749	44.4
New Jersey.....	653,498	34.7	633,577	35.0	19,916	28.5	5	0.3	405,439	29.3	183,936	22.2	221,503	39.8	228,138	53.0
Pennsylvania.....	1,362,996	21.6	1,326,049	21.6	37,074	23.6	—127	—3.5	869,873	16.9	493,634	13.2	376,239	26.3	456,176	46.4
EAST NORTH CENTRAL:																
Ohio.....	609,576	14.7	594,693	14.6	14,551	15.0	332	75.5	455,348	12.6	381,819	14.4	73,529	7.7	139,345	30.4
Indiana.....	184,414	7.3	181,459	7.4	2,815	4.9	140	30.8	163,998	7.1	177,804	9.1	—13,896	—3.8	17,461	12.3
Illinois.....	817,041	16.9	792,098	16.7	23,971	28.2	981	61.4	554,164	14.7	328,790	14.5	225,374	15.0	237,925	24.7
Michigan.....	389,191	16.1	386,684	16.1	1,299	8.2	1,208	18.3	331,356	17.8	198,127	19.2	133,229	16.0	55,328	10.2
Wisconsin.....	264,818	12.8	262,644	12.8	358	14.1	1,816	21.1	265,780	17.2	177,322	30.3	88,458	9.2	—3,136	—0.6
WEST NORTH CENTRAL:																
Minnesota.....	324,314	18.5	322,191	18.5	2,125	42.9	—2	( )	284,116	23.1	149,301	35.1	134,815	16.7	38,075	7.5
Iowa.....	17,082	—0.3	—9,476	—0.4	2,280	18.0	114	23.1	22,822	1.2	42,458	3.4	—19,636	—3.0	—22,280	—10.6
Missouri.....	198,670	6.0	190,089	6.5	—3,782	—2.3	363	61.7	176,968	6.5	182,961	8.3	—5,993	—1.1	13,121	6.1
North Dakota.....	257,910	80.8	258,143	82.8	331	115.7	—564	—7.9	214,572	107.8	96,650	146.9	117,925	88.5	43,568	38.7
South Dakota.....	182,318	45.8	183,057	48.1	352	75.7	—1,091	—5.4	170,758	58.4	109,401	80.4	61,297	39.2	12,299	13.9
Nebraska.....	125,914	11.8	123,767	11.7	1,420	22.7	727	20.9	125,019	14.2	88,551	16.0	36,468	11.2	—1,252	—0.7
Kansas.....	230,454	15.0	218,033	15.4	2,027	3.9	394	18.1	209,420	16.2	193,402	19.1	16,018	5.8	8,613	6.8
SOUTH ATLANTIC:																
Delaware.....	17,587	9.5	17,123	11.1	484	1.6	—22	—0.001	13,434	9.6	9,780	8.3	3,654	16.4	3,691	26.9
Maryland.....	97,302	9.0	110,215	11.6	—2,814	—1.2	—99	—17.8	99,185	11.5	86,578	12.7	12,607	7.0	11,030	11.8
District of Columbia.....	52,351	18.8	44,596	23.3	7,744	8.9	11	2.3	39,765	23.1	32,638	24.3	7,127	18.8	4,831	24.7
Virginia.....	267,428	11.2	196,954	16.5	10,374	1.6	100	16.5	189,394	16.1	184,025	16.1	5,369	16.5	7,560	39.6
West Virginia.....	262,319	27.4	241,584	26.4	20,674	47.5	61	—0.001	206,891	23.2	198,126	23.5	8,765	17.9	34,093	155.0
North Carolina.....	312,477	16.5	236,098	18.7	73,374	11.7	2,195	38.3	235,360	18.7	234,907	18.8	453	5.4	1,548	33.2
South Carolina.....	175,094	13.1	121,354	21.8	53,522	6.8	208	10.6	120,671	21.8	121,294	22.4	—533	—4.6	683	12.7
Georgia.....	392,790	17.7	250,508	21.2	142,174	13.7	108	48.2	247,457	21.2	246,698	21.6	759	3.0	3,051	25.4
Florida.....	224,077	42.4	146,301	49.2	77,939	33.8	—163	—34.0	131,716	47.4	119,933	47.2	11,781	49.0	14,585	75.7
EAST SOUTH CENTRAL:																
Kentucky.....	142,731	6.6	165,642	8.9	—23,650	—8.1	139	87.4	175,722	9.7	189,781	11.3	—14,059	—10.1	—10,080	—20.1
Tennessee.....	164,173	8.1	171,246	11.1	—7,155	—1.5	82	43.9	170,373	11.2	172,970	11.7	—2,597	—6.3	873	5.0
Alabama.....	309,396	16.9	227,680	22.7	80,975	9.8	741	311.3	223,062	22.6	220,801	23.1	2,261	7.5	4,618	32.2
Mississippi.....	245,844	15.8	144,911	22.6	101,857	11.2	—924	—37.9	143,147	22.6	143,166	23.3	—19	—0.1	1,764	23.1
WEST SOUTH CENTRAL:																
Arkansas.....	262,885	20.0	186,446	19.7	76,035	20.7	404	315.6	183,723	19.7	179,841	20.0	3,882	11.9	2,723	19.2
Louisiana.....	274,763	19.9	211,474	29.0	63,070	9.7	219	18.1	211,545	31.2	206,625	36.3	4,920	4.0	—71	—0.1
Oklahoma.....	866,764	160.7	778,327	115.5	81,928	147.1	10,509	16.3	754,633	116.1	708,851	117.8	45,782	94.9	19,694	96.6
Texas.....	847,832	32.8	778,179	32.1	69,327	11.2	326	24.7	715,776	31.8	643,188	32.8	72,588	25.1	62,403	35.1
MOUNTAIN:																
Montana.....	132,724	54.5	134,297	59.3	311	20.4	—1,884	—12.1	105,026	64.1	69,190	74.4	35,836	50.5	29,271	46.9
Idaho.....	53,432	101.3	164,736	106.6	358	122.2	—1,262	—18.1	146,189	100.2	113,748	126.6	32,441	75.9	18,537	84.7
Wyoming.....	54,831	57.7	51,267	57.6	1,295	137.8	872	34.3	40,731	56.2	32,714	68.2	8,017	32.7	10,536	63.5
Colorado.....	259,324	48.0	254,369	48.1	2,883	33.6	2,672	99.4	217,993	49.7	163,891	32.6	54,192	42.6	36,376	40.2
New Mexico.....	131,991	67.6	124,387	69.0	18	1.1	7,586	56.2	114,994	68.9	106,580	71.5	8,414	47.0	9,393	70.8
Arizona.....	81,423	66.2	78,505	84.6	161	8.7	2,697	9.6	54,136	78.9	37,638	84.0	16,498	64.2	24,429	109.1
Utah.....	96,602	34.9	94,118	34.5	472	70.2	2,612	55.7	83,529	38.0	67,637	65.0	15,892	13.7	10,589	20.1
Nevada.....	39,540	93.4	38,871	109.8	379	282.8	290	4.3	29,453	109.8	29,215	133.8	9,238	78.9	9,108	108.8
PACIFIC:																
Washington.....	623,887	120.4	612,807	123.5	3,544	141.0	7,536	39.1	473,735	120.2	320,318	120.8	153,417	118.8	139,072	136.2
Oregon.....	259,229	62.7	260,598	66.0	387	35.0	—1,666	—9.3	211,368	62.0	160,726	62.5	50,642	59.9	49,140	91.2
California.....	892,496	60.1	856,945	61.1	10,600	96.0	24,951	35.0	656,200	60.4	462,105	71.7	194,095	43.9	200,745	63.4

1 Decrease of less than one-tenth of 1 per cent.

2 Includes population of Indian Territory for 1900.

The white population increased during the decade 1900-1910 in every state except Iowa, and there were only six states—Kentucky, Indiana, Maine, Missouri, New Hampshire, and Vermont—in which the increase was less than 10 per cent. The negro population decreased in Maryland, Kentucky, Tennessee, and Missouri, as well as in two New England states. Among the Southern states with a considerable negro population the highest relative increase was in Oklahoma, 147.1 per cent, as compared with 115.5 per cent for the whites. West Virginia, Florida, and Arkansas showed high percentages of increase for the negroes, while Louisiana, Alabama, Mississippi, Texas, North Carolina, and Georgia, all with a large negro population, showed percentages of increase ranging from 9.7 to 13.7, or about the same as that for the country as a whole.

During the decade 1900-1910 the foreign-born white population increased by a greater percentage than the native white in the New England, Middle Atlantic, East North Central, South Atlantic, and Pacific divisions. The opposite was the case in the four other divisions; an actual decrease of foreign-born whites occurred in the East South Central division. In the Middle Atlantic division the foreign-born whites increased 46.2 per cent, as compared with 19 per cent for the native whites. Of the total increase in the foreign-born whites in the country as a whole (3,131,728), nearly one-half (1,524,063) was in the Middle Atlantic division and most of the remainder in the East North Central, Pacific, and New England divisions. The recent immigration has been very unequally distributed over the country.

In all but two of the divisions the percentage of increase in the native whites of native parentage was materially higher than that in the native whites of foreign or mixed parentage; in the East South Central division, in fact, the latter decreased. In New England, however, the native whites of native parentage increased only 4.1 per cent, while those of foreign or mixed parentage increased 30 per cent, and in the Middle Atlantic division the corresponding percentages of increase were 14.3 and 27, respectively. In New Hampshire there was an actual decrease in the native whites of native parentage, and in Vermont and Maine the increase was very slight.

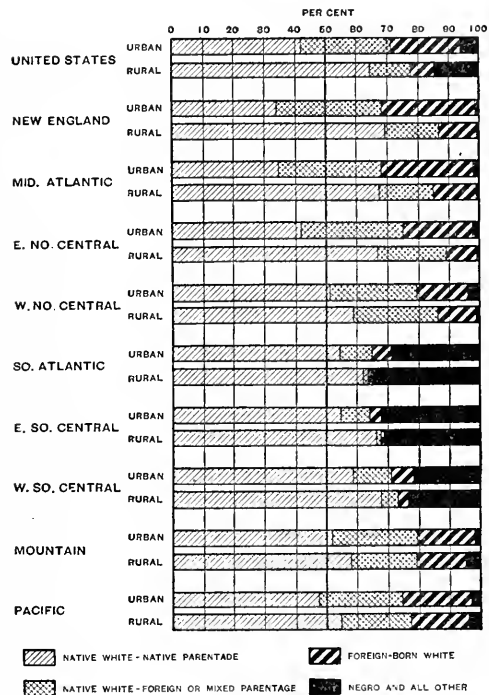
Very few individual states present exceptions to the conditions in the geographic divisions in which they are located with respect to the relative rates of increase of native and foreign-born whites, or the relative rates of increase of native whites of native parentage and native whites of foreign or mixed parentage.

New Hampshire is the only state which contained fewer native whites of native parentage in 1910 than in 1900, but in Indiana, Iowa, Missouri, South Carolina, Kentucky, Tennessee, and Mississippi a decrease occurred in the native whites of foreign or mixed parentage, and in Wisconsin, Iowa, Nebraska, Kentucky, and Louisiana the foreign-born whites decreased.

URBAN AND RURAL POPULATION.

Table 18 classifies the principal color or race, nativity, and parentage classes in 1910 as urban or rural for each geographic division, and further distributes the urban population by classes of cities. The accompanying diagram shows, by geographic divisions, the relative importance of the several classes of population in urban and rural communities, respectively.

COLOR OR RACE, NATIVITY, AND PARENTAGE IN URBAN AND RURAL COMMUNITIES: 1910.



There is in the country as a whole and in most individual states a marked difference between the composition of the urban population and that of the rural. Of the aggregate urban population—that is, the population of incorporated places of 2,500 inhabitants or more, including New England towns of that size—of the United States in 1910, 41.9 per cent were native whites of native parentage, 29 per cent native whites of foreign or mixed parentage, 22.6 per cent foreign-born whites, and 6.3 per cent negroes. In the rural population, on the other hand, 64.1 per cent were native whites of native parentage, only 13.3 per cent were native whites of foreign or mixed parentage, and 7.5 per cent were foreign-born whites, while negroes constituted 14.5 per cent. Thus the foreign-born whites and their children constituted fully one-half (51.6 per cent) of the urban population and only about one-fifth of the rural



## COLOR OR RACE, NATIVITY, AND PARENTAGE IN URBAN AND RURAL COMMUNITIES, BY DIVISION: 1910.

(The term cities as here used includes incorporated towns, villages, and boroughs and also New England towns.)

Table 18	DIVISION AND CLASS OF COMMUNITY.	Total population.	WHITE.				PER CENT OF TOTAL POPULATION.				PER CENT DISTRIBUTION BY CLASS OF COMMUNITY.													
			Native.			Negro.	White.			Negro.	Total population.	Native.			Negro.	Total population.	Native.							
			Total.	Native parentage.	Foreign or mixed parentage.		Native.	Foreign or mixed parentage.	Negro.			Total.	Native parentage.	Foreign or mixed parentage.			Total.	Native parentage.	Foreign or mixed parentage.					
<b>UNITED STATES.</b>																								
Rural communities.....	91,972,266	68,356,412	49,488,757	18,897,387	13,345,545	9,827,783	412,546	53.8	20.6	14.5	10.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
Urban communities.....	49,348,883	38,189,880	31,638,061	6,550,937	3,710,176	7,138,534	310,341	64.1	13.3	7.5	14.5	53.7	55.8	63.9	34.7	27.8	72.6	72.6	72.6					
Urban communities.....	42,623,383	30,186,544	17,819,646	12,346,964	9,635,309	2,089,229	102,401	41.9	20.9	22.6	6.3	46.3	44.2	61.1	65.3	72.2	72.2	72.2	72.2					
Cities of 2,500 to 10,000.....	8,470,359	6,820,540	4,872,584	1,747,956	1,177,661	655,266	16,892	57.5	26.0	13.9	7.7	9.2	9.7	9.8	9.2	8.8	9.2	8.8	6.7					
Cities of 10,000 to 25,000.....	1,609,288	1,207,801	2,827,911	1,379,495	978,718	408,292	14,788	51.8	24.6	12.7	7.3	6.1	6.2	5.7	7.3	7.3	7.3	4.2	4.2					
Cities of 25,000 to 100,000.....	8,241,675	6,985,109	3,779,057	2,184,052	1,663,814	602,040	12,715	45.9	26.5	20.2	7.3	9.0	9.7	7.6	11.6	12.5	6.1	6.1	6.1					
Cities of 100,000 to 500,000.....	8,780,297	6,175,049	3,422,400	2,751,069	1,944,068	626,946	46,234	38.9	31.3	22.1	7.1	9.6	9.0	6.9	14.6	14.6	6.4	6.4	6.4					
Cities of 500,000 and over.....	11,511,541	7,231,986	2,949,048	4,283,938	3,871,108	396,615	12,132	25.6	37.2	33.6	3.4	12.5	10.6	6.0	22.7	29.0	4.0	4.0	4.0					
<b>New England.</b>																								
Rural communities.....	1,667,681	4,666,128	2,613,419	2,052,709	1,814,386	68,306	5,851	39.9	31.3	27.7	1.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
Urban communities.....	1,097,836	752,753	752,753	184,810	137,796	5,428	1,360	69.8	10.7	12.6	0.5	16.7	29.4	29.3	9.1	7.6	8.2	8.2	8.2					
Urban communities.....	5,455,345	3,713,377	1,847,484	1,865,893	1,676,590	60,877	4,501	33.9	34.2	30.7	1.1	83.3	79.6	70.7	90.9	92.4	91.8	91.8	91.8					
Cities of 2,500 to 10,000.....	1,273,821	964,173	601,409	302,764	300,017	8,922	709	47.7	28.5	23.6	0.7	19.4	20.7	23.0	17.7	16.5	13.5	13.5	13.5					
Cities of 10,000 to 25,000.....	395,563	361,760	361,760	311,545	258,965	5,965	442	38.5	33.3	27.6	0.6	14.3	14.8	15.2	14.2	9.0	9.0	9.0	9.0					
Cities of 25,000 to 100,000.....	1,837,987	1,075,311	499,545	575,766	414,771	15,771	1,785	48.1	27.6	21.1	1.0	23.1	19.1	28.1	30.0	23.8	23.8	23.8	23.8					
Cities of 100,000 to 500,000.....	936,399	556,159	228,445	337,714	332,698	16,465	807	24.4	38.2	35.5	1.8	14.3	12.6	8.7	17.4	18.3	25.1	25.1	25.1					
Cities of 500,000 and over.....	670,585	414,974	157,870	257,104	240,722	13,564	1,325	23.5	38.3	35.9	2.0	10.2	8.9	6.0	12.5	13.3	20.5	20.5	20.5					
<b>Middle Atlantic.</b>																								
Rural communities.....	19,315,892	14,054,273	8,462,961	5,591,312	4,826,179	417,870	17,570	43.8	28.9	25.0	2.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
Urban communities.....	5,592,519	4,729,829	3,744,498	985,331	776,702	78,624	7,364	67.0	17.6	13.9	1.4	29.0	33.7	44.2	17.6	16.1	18.8	18.8	18.8					
Cities of 2,500 to 10,000.....	1,273,373	9,324,444	4,718,463	4,605,981	4,049,477	339,246	10,206	34.4	33.6	29.5	2.5	71.0	66.3	55.8	82.4	83.9	81.0	81.0	81.0					
Cities of 10,000 to 25,000.....	1,662,807	1,315,678	806,992	424,686	317,814	28,783	632	53.1	25.5	19.1	1.7	8.9	9.1	10.5	7.6	6.6	6.6	6.6	6.6					
Cities of 25,000 to 100,000.....	1,346,807	1,021,790	649,718	372,042	294,400	32,162	485	48.1	27.6	21.1	2.5	10.6	11.1	11.4	10.8	10.2	12.7	12.7	12.7					
Cities of 100,000 to 500,000.....	2,110,782	1,565,483	962,505	602,978	491,301	53,156	842	45.6	28.6	23.3	2.5	10.9	11.1	11.4	10.8	10.2	12.7	12.7	12.7					
Cities of 500,000 and over.....	1,750,081	1,251,699	531,833	697,866	495,245	22,354	783	30.5	39.6	35.8	1.3	9.1	8.8	6.3	12.5	10.3	5.3	5.3	5.3					
Cities of 500,000 and over.....	6,749,736	4,189,824	1,681,415	2,508,409	2,450,717	201,791	7,464	24.4	36.6	35.8	2.9	35.5	29.8	19.9	44.9	50.8	48.3	48.3	48.3					
<b>East North Central.</b>																								
Rural communities.....	18,250,621	14,860,402	9,751,965	5,108,432	3,067,220	300,836	22,163	53.4	22.0	16.8	1.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
Urban communities.....	8,633,350	7,668,041	5,737,299	1,930,742	877,929	70,294	17,086	66.5	22.4	10.2	0.8	47.3	51.6	58.8	37.8	28.6	23.4	23.4	23.4					
Urban communities.....	9,017,121	7,182,361	4,014,669	3,177,692	2,189,291	230,542	5,077	61.7	33.0	28.8	2.4	52.7	48.4	41.2	62.1	71.4	70.6	70.6	70.6					
Cities of 2,500 to 10,000.....	1,405,353	1,408,792	1,145,782	465,907	257,922	37,859	790	60.0	24.4	15.3	2.0	10.4	11.8	11.7	9.1	8.4	8.4	8.4	8.4					
Cities of 10,000 to 25,000.....	1,396,143	1,120,829	716,479	404,350	244,097	30,471	746	51.3	29.0	17.5	2.2	7.6	7.5	7.3	7.9	8.0	7.6	7.6	7.6					
Cities of 25,000 to 100,000.....	2,553,090	1,236,466	772,422	464,044	275,268	41,362	713	49.7	29.9	17.7	2.7	8.5	8.3	7.9	9.1	9.0	13.7	13.7	13.7					
Cities of 100,000 to 500,000.....	1,010,029	5,512,212	804,530	707,682	453,084	68,889	425	39.9	35.1	21.6	3.4	11.0	10.8	8.3	13.9	14.2	22.7	22.7	22.7					
Cities of 500,000 and over.....	2,745,946	1,714,462	757,453	1,136,008	916,231	52,551	2,413	21.0	41.4	35.6	1.9	15.0	11.5	5.9	22.2	30.9	17.5	17.5	17.5					
<b>West North Central.</b>																								
Rural communities.....	11,637,921	9,738,390	6,523,667	3,214,703	1,973,920	242,662	43,838	56.1	27.6	13.9	2.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0					
Urban communities.....	7,764,251	6,663,994	4,539,360	2,124,634	1,811,335	78,361	40,315	58.5	27.4	12.6	1.0	66.7	68.4	66.1	60.5	62.3	62.3	62.3	62.3					
Urban communities.....	1,875,716	1,863,327	1,070,069	631,909	464,301	3,329	91.2	28.1	16.3	4.2	33.3	31.0	30.4	33.9	39.2	67.7	67.7	67.7	67.7					
Cities of 2,500 to 10,000.....	1,040,688	875,686	642,133	323,553	129,684	34,525	793	61.7	22.2	15.2	3.3	8.9	9.0	9.8	7.3	8.0	14.2	14.2	14.2					
Cities of 10,000 to 25,000.....	453,439	376,426	201,933	114,493	56,040	22,013	954	57.5	25.1	12.3	4.8	3.9	3.9	4.0	3.6	3.5	9.4	9.4	9.4					
Cities of 25,000 to 100,000.....	801,951	645,914	446,011	199,903	125,405	30,075	539	55.6	24.9	15.6	3.8	6.9	6.6	6.8	6.2	7.3	12.1	12.1	12.1					
Cities of 100,000 to 500,000.....	659,888	364,414	205,856	126,174	83,729	14,366	41.0	33.2	21.9	6.8	7.6	6.8	5.6	9.2	12.1	13.9	13.9	13.9	13.9					
Cities of 500,000 and over.....	167,029	516,782	269,380	246,946	125,706	43,960	581	39.3	35.9	18.3	6.4	5.9	5.3	4.1	7.7	7.8	18.1	18.1	18.1					
<b>South Atlantic.</b>																								
Rural communities.....	9,142,895	7,781,048	7,341,205	439,843	299,555	4,112,488	10,804	60.2	3.6	2.4	33.7	74.6	74.4	72.7	28.7	34.0	77.9	77.9	77.9					
Urban communities.....	9,102,742	5,791,814	5,665,386	126,428	98,779	3,202,968	1,614	62.2	1.1	1.1	35.7	74.6	74.4	72.7	28.7	34.0	77.9	77.9	77.9					
Urban communities.....	3,092,123	1,989,234	1,675,819	313,415	191,756	909,520	9,643	54.2	10.2	6.2	29.4	25.4	22.8	71.3	66.0	22.1	22.1	22.1	22.1					
Cities of 2,500 to 10,000.....	763,031	466,473	460,255	26,218	20,765	255,571	222	60.3	3.4	2.7	33.5	6.3	6.3	6.3	6.0	7.1	6.2	6.2	6.2					
Cities of 10,000 to 25,000.....	444,714	294,847	299,502	25,345	14,535	125,206	126	60.6	5.7	3.2	30.4	3.6	3.6	3.6	3.7	5.8	5.0	3.3	3.3					
Cities of 25,000 to 100,000.....	712,387	424,548	339,760	67,788	46,367	240,913	359	50.1	9.5	6.5	33.8	8.8	8.5	4.9	15.4	16.0	9.9	9.9	9.9					
Cities of 100,000 to 500,000.....	613,536	387,022	327,828	59,194	32,846	193,081	587	53.4	9.6	5.4	31.5	5.0	5.0	4.5	13.5	11.3	4.7	4.7	4.7					
Cities of 500,000 and over.....	558,455	396,344	201,474	134,870	77,																			



The native whites of native parentage constituted hardly more than two-fifths of the urban population, but over three-fifths of the rural. It should be noted that the negro population is mainly in the South, where there are comparatively few very large cities.

The conditions in the New England and Middle Atlantic divisions are especially noteworthy. Only about one-third (33.9 and 34.4 per cent, respectively) of the urban population of these divisions in 1910 consisted of native whites of native parentage, while over two-thirds of the rural population (69.8 per cent and 67 per cent, respectively) were of that class. Broadly speaking, of the urban population of these divisions, almost one-third were foreign-born whites, fully one-third (including persons of mixed parentage) were children of foreign-born whites, and one-third were native whites of native parentage.

In the South, where the total number of foreign-born whites and of native whites of foreign or mixed parentage is small, these classes constituted a very much larger proportion of the urban than of the rural population. In the South Atlantic division, for example, native whites of foreign or mixed parentage and foreign-born whites in 1910 constituted 10.1 and 6.2 per cent, respectively, of the urban population but only 1.4 and 1.1 per cent, respectively, of the rural population.

In the South as a whole, the proportion of negroes in urban communities was about the same as the proportion in rural communities, though in the South Atlantic division negroes in 1910 formed 29.4 per cent of the urban and 35.2 per cent of the rural population. On the other hand, in the East South Central division the corresponding proportions were 32.3 and 31.4 per cent, respectively; and in the West South Central division, 22.3 per cent and 22.7 per cent.

Table 18 shows also the race and nativity composition of the population for classes of cities. In general, the relative numerical importance of the native whites of native parentage declines as the size of the cities increases. Of the aggregate population in 1910 of the eight cities of the United States having more than 500,000 inhabitants, only 25.6 per cent were native whites of native parentage, 37.2 per cent being native whites of foreign or mixed parentage and 33.6 per cent foreign-born whites. The percentage of native whites of native parentage, which, as previously noted, was 64.1 in rural communities, falls off to 57.5 in the class of cities having 2,500 to 10,000 inhabitants, then to 50.4 in the cities of 10,000 to 25,000, to 45.9 in the cities of 25,000 to 100,000, to 38.9 in the cities of 100,000 to 500,000, and finally to 25.6 in the cities of over 500,000.

The differences among the several classes of population with respect to their distribution between urban and rural communities are further brought out by the percentages in the last five columns of Table 18. Of the total population of the country in 1910, 46.3 per cent resided in urban communities, but

of the native whites of native parentage only 36.1 per cent lived in such communities, while of the native whites of foreign or mixed parentage 65.3 per cent and of the foreign-born whites no less than 72.2 per cent were in urban communities. The proportions urban and rural in the total population vary greatly from division to division and the percentages for each of the four color or race, nativity, and parentage groups vary accordingly. In 1910, in New England, where the proportion of urban population is higher than in any other division (partly because of the classification as urban of all New England towns of over 2,500 inhabitants), 70.7 per cent of the native whites of native parentage, 90.9 per cent of the native whites of foreign or mixed parentage, 92.4 per cent of the foreign-born whites, and 91.8 per cent of the negroes lived in urban communities. In the Middle Atlantic division 55.8 per cent of the native whites of native parentage, 82.4 per cent of the native whites of foreign or mixed parentage, 83.9 per cent of the foreign-born whites, and 81.2 per cent of the negroes were in urban communities. On the other hand, in the East South Central division, where the proportion of urban population as a whole was lowest, 15.7 per cent of the native whites of native parentage, 69.8 per cent of the native whites of foreign or mixed parentage, 66.7 per cent of the foreign-born whites, and 19.2 per cent of the negroes lived in urban communities. In each of the divisions of the North and West the percentage of negroes who lived in urban communities was materially higher than the percentage of native whites of native parentage who lived in such communities, showing that the negroes who have migrated from the South have, to a large extent, gone to the cities.

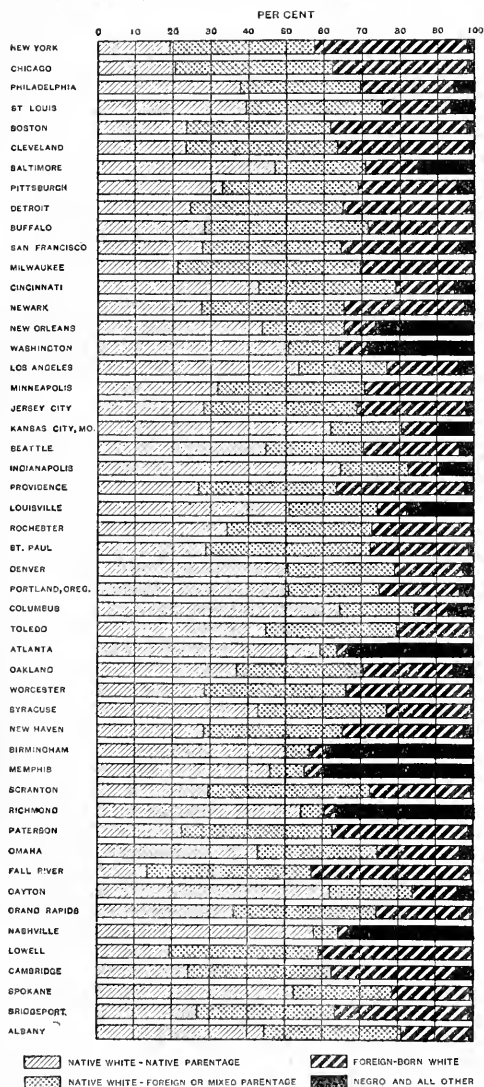
#### PRINCIPAL CITIES.

Table 19 on a subsequent page classifies by color or race, nativity, and parentage the population in 1910 and 1900 of the 50 cities having more than 100,000 inhabitants, and Table 20 presents similar statistics in 1910 for cities having from 25,000 to 100,000 inhabitants. The distribution for the larger cities is also shown graphically in the diagram on the following page.

In only 14 of the 50 cities having over 100,000 inhabitants in 1910 did native whites of native parentage constitute as much as one-half of the total population. The proportion exceeded three-fifths in only four cities, three of them being in the East North Central division (Indianapolis, 64.5 per cent; Columbus, 64.4 per cent; and Dayton, 62 per cent) and one in the West North Central (Kansas City, Mo., 61.9 per cent). On the other hand, in 22 of the cities of this class, of which 15 are in the New England and Middle Atlantic divisions, less than one-third of the population were native whites of native parentage, over two-thirds in all but one of these cities consisting of foreign-born whites and their children. In Fall River only 13.3 per cent of the

population were native whites of native parentage. In 10 cities of 100,000 inhabitants or over the population was more than one-third foreign-born white, namely, Fall River (42.6 per cent), Lowell (40.9 per cent), New York (40.4 per cent), Paterson (36.1 per cent), Boston (35.9 per cent), Chicago (35.7 per cent), Bridgeport (35.5 per cent), Cleveland (34.9 per cent), Providence (34 per cent), and Detroit (33.6 per cent).

COLOR OR RACE, NATIVITY, AND PARENTAGE IN CITIES HAVING 100,000 INHABITANTS OR MORE: 1910.



The proportion of foreign-born whites was low in all of the southern cities. Among the northern cities it was lowest in Indianapolis (8.5 per cent) and Columbus (9 per cent). In many of the 50 cities the proportion of native whites of foreign or mixed parentage was nearly the same as the proportion of foreign-born whites. The native whites of foreign or mixed parentage were relatively most numerous in Milwaukee (48.8 per cent) and Fall River (43.7 per cent).

During the decade 1900-1910 the foreign-born white population in New York City advanced from 1,260,918 to 1,927,703, an increase of 666,785, while native whites of native parentage increased only 183,841. In 1910 only 19.3 per cent of the city's population consisted of native whites of native parentage. Of the total population of the United States approximately one-twentieth is domiciled in New York City; of the native whites of native parentage, one-fiftieth; of the native whites of foreign or mixed parentage, one-tenth; and of the foreign-born whites, one-seventh.

Among the larger cities the proportion of negroes in 1910 was highest in Memphis (40 per cent), followed by Birmingham (39.4), Richmond (36.6), Atlanta (33.5), Nashville (33.1), Washington (28.5), New Orleans (26.3), Louisville (18.1), and Baltimore (15.2). In no other city of over 100,000 inhabitants did the negro element amount to one-tenth of the population.

Table 20 gives statistics for the 179 cities having from 25,000 to 100,000 inhabitants in 1910. Among them there are only 41 in which the native whites of native parentage exceeded three-fifths of the total population in 1910. None of these are in the New England states, and only one is in New York. Cities in which as many as three-fourths of the total population in 1910 were native whites of native parentage are Huntington, W. Va. (87.6 per cent); Joplin, Mo. (86.6 per cent); York, Pa. (86 per cent); Springfield, Mo. (81.5 per cent); Reading, Pa. (77.8 per cent); Wichita, Kans. (77.7 per cent); Harrisburg, Pa. (77.2 per cent); Lima, Ohio (76.9 per cent); Lancaster, Pa. (75.4 per cent); and Newark, Ohio (75.1 per cent). There are 45 cities of this class where the proportion of native whites of native parentage was less than one-third. The percentage was very low in Lawrence, Mass. (13.6), Passaic, N. J. (13.8), and Woonsocket, R. I. (15).

Among the 179 cities considered there are 27 in which the foreign-born whites exceeded one-third of the total population. A majority of these cities (14) are in the New England states, 9 are in the Middle Atlantic division, and only 4 (Duluth, Minn.; Lorain, Ohio; El Paso, Tex.; and Superior, Wis.) are in other divisions. The maximum percentage of foreign-born whites was found in Passaic, N. J., where they formed more than one-half of the population in 1910 (52 per cent).

COLOR OR RACE, NATIVITY, AND PARENTAGE IN CITIES OF 100,000 INHABITANTS OR MORE: 1910 AND 1900.

Table 19	CITY.	Total population: 1910	NATIVE WHITE.								FOREIGN-BORN WHITE.				NEGRO.				Indian, Chinese, Japanese, and all other: 1910	PER CENT. OF TOTAL POPULATION: 1910				
			Native parentage.				Foreign or mixed parentage.																	
																				Native white.		Foreign-born white.		
			1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900		Native parentage.	For. or mixed par.	For. or mixed par.	Negro.	
	Albany, N. Y.	109,253	44,473	38,431	36,533	36,842	18,165	17,689	1,037	1,178	45	44.4	36.3	18.1	1.0									
	Atlanta, Ga.	154,839	91,987	47,146	6,464	4,486	4,410	2,438	51,902	35,727	76	59.4	4.2	2.8	33.5									
	Baltimore, Md.	358,485	261,474	236,053	134,870	125,225	77,043	67,849	84,759	79,258	349	46.8	24.1	13.8	15.2									
	Birmingham, Ala.	132,685	66,312	17,186	8,357	2,885	5,700	1,761	52,305	16,575	11	50.0	6.3	4.3	29.4									
	Boston, Mass.	670,285	157,570	146,193	257,104	206,937	240,722	194,953	13,564	11,591	1,325	23.5	38.3	35.9	2.0									
	Bridgeport, Conn.	102,064	27,156	21,885	37,314	25,693	36,180	22,197	1,332	1,149	72	26.6	39.6	35.5	1.3									
	Buffalo, N. Y.	423,715	119,692	90,860	183,673	155,716	118,444	104,010	1,773	1,698	133	28.2	43.3	28.0	0.4									
	Cambridge, Mass.	104,839	25,615	25,220	39,794	32,731	34,008	29,924	4,707	3,888	115	24.4	39.0	33.0	0.5									
	Chicago, Ill.	2,188,283	445,139	354,379	912,701	727,341	781,217	585,430	44,103	30,150	2,123	20.4	41.8	35.7	2.0									
	Cincinnati, Ohio.	363,591	154,537	115,750	132,190	139,817	56,792	57,887	19,639	14,482	33	42.6	36.4	15.6	5.4									
	Cleveland, Ohio.	560,663	132,314	87,740	223,908	163,570	195,703	124,354	8,448	5,988	290	23.6	39.9	34.9	1.5									
	Columbus, Ohio.	181,511	116,846	75,036	35,578	30,907	10,285	12,292	12,739	8,201	63	64.4	19.6	9.0	7.0									
	Dayton, Ohio.	116,577	72,301	48,322	25,559	23,567	13,847	10,024	4,842	3,387	38	62.0	21.9	11.9	4.2									
	Denver, Colo.	213,381	106,945	66,810	61,185	37,837	38,941	24,962	5,426	3,923	884	50.1	28.7	18.2	2.5									
	Detroit, Mich.	465,706	115,108	61,309	188,255	124,215	156,265	96,051	5,741	4,111	59	24.7	40.4	33.6	1.2									
	Fall River, Mass.	119,295	15,858	14,300	52,125	40,197	50,874	49,961	355	324	87	13.3	43.7	42.6	0.3									
	Grand Rapids, Mich.	112,571	40,777	29,634	42,767	33,460	28,325	23,858	665	604	23	36.2	38.0	25.2	0.6									
	Indianapolis, Ind.	233,650	150,993	97,772	41,420	38,359	19,767	17,070	21,816	15,931	54	64.5	17.7	8.5	9.3									
	Jersey City, N. J.	267,779	74,861	57,197	109,101	87,152	77,697	58,161	5,960	3,704	160	28.0	40.7	29.0	2.2									
	Kansas City, Mo.	245,881	153,717	94,377	45,638	33,426	25,327	18,287	26,566	17,567	138	61.9	18.4	10.2	9.5									
	Los Angeles, Cal.	319,198	169,967	54,060	74,756	26,105	60,584	17,917	7,599	2,131	6,292	53.2	23.4	19.0	2.4									
	Louisville, Ky.	223,928	113,543	88,449	32,411	55,744	17,436	21,397	40,622	39,139	16	50.7	23.4	7.8	18.1									
	Lowell, Mass.	106,294	20,763	20,828	41,942	33,031	43,457	40,915	133	136	59	19.5	39.5	49.9	0.1									
	Memphis, Tenn.	131,105	59,985	36,556	12,138	10,755	6,467	5,069	52,441	49,910	74	45.8	9.3	4.9	40.0									
	Milwaukee, Wis.	373,857	78,823	48,598	182,530	146,885	111,456	88,948	860	862	68	21.1	48.8	29.8	0.3									
	Minneapolis, Minn.	301,468	96,186	61,269	116,548	78,561	85,939	60,983	2,592	1,548	144	31.9	38.7	28.5	0.9									
	Nashville, Tenn.	110,364	63,687	40,620	7,151	7,174	2,993	3,002	36,523	30,044	10	57.7	6.5	2.7	33.1									
	New Haven, Conn.	133,605	37,726	36,385	49,434	37,999	42,784	30,654	3,561	2,887	100	28.2	37.0	32.0	2.7									
	New Orleans, La.	339,075	147,473	103,186	74,244	76,191	27,686	29,569	89,262	77,714	410	43.5	21.9	8.2	26.3									
	New York, N. Y.	4,766,883	921,318	737,477	1,820,141	1,371,503	1,927,703	1,260,918	91,709	60,666	6,012	19.3	33.2	40.4	1.9									
	Manhattan Borough.	2,851,542	544,351	512,507	818,208	715,947	1,104,019	782,714	60,681	59,245	4,480	14.8	35.1	47.4	2.6									
	Bronx Borough.	430,580	52,969	60,535	185,146	86,422	148,955	61,858	4,117	2,970	218	21.6	45.0	34.6	1.0									
	Brooklyn Borough.	1,631,851	875,548	810,501	608,688	438,658	671,596	355,740	22,708	18,367	1,156	25.0	49.6	55.0	1.4									
	Queens Borough.	254,041	60,607	41,658	120,969	65,962	79,115	44,615	3,198	2,611	162	28.1	42.7	27.9	1.7									
	Richmond Borough.	83,969	28,248	22,718	32,255	24,604	24,878	18,581	1,153	1,072	61	32.9	57.5	28.2	1.3									
	Newark, N. J.	347,469	94,737	71,522	132,350	96,306	110,655	71,050	9,475	6,694	252	27.3	38.1	31.8	2.7									
	Oakland, Cal.	150,174	55,198	24,790	49,936	23,775	36,822	16,223	3,655	1,026	513	36.8	33.3	24.5	2.0									
	Omaha, Neb.	124,096	52,947	42,752	39,595	32,822	27,068	23,429	4,426	3,443	90	42.6	31.9	21.8	3.6									
	Paterson, N. J.	125,600	28,392	23,897	50,179	41,296	45,398	38,666	1,539	1,182	92	22.6	40.0	36.1	1.2									
	Philadelphia, Pa.	1,549,008	584,008	521,911	496,781	444,093	382,578	293,609	84,459	62,613	1,178	37.7	32.1	24.7	5.5									
	Pittsburgh, Pa.	533,905	176,089	147,296	191,483	168,832	140,436	114,845	25,623	20,355	274	33.0	35.9	26.3	4.4									
	Portland, Ore.	207,214	104,163	38,170	51,099	24,710	43,780	17,734	1,045	775	7,217	50.3	24.6	21.1	0.5									
	Providence, R. I.	224,226	59,960	54,420	62,354	60,775	76,303	55,310	5,316	4,817	153	38.7	26.7	34.0	2.4									
	Richmond, Va.	122,828	59,130	43,660	7,664	6,104	4,083	2,334	46,738	32,820	6	34.2	6.0	3.2	36.6									
	Rochester, N. Y.	218,149	74,525	52,478	83,687	68,798	58,993	40,718	879	601	65	34.2	38.4	27.0	0.4									
	St. Louis, Mo.	687,029	269,836	189,249	246,946	239,170	125,706	110,966	43,960	35,516	581	39.3	35.9	18.3	6.4									
	St. Paul, Minn.	214,744	61,594	42,454	93,938	71,562	56,524	46,748	3,114	2,263	84	28.7	43.5	26.3	1.5									
	San Francisco, Cal.	416,912	115,359	83,558	153,781	137,550	130,874	104,264	1,642	1,654	15,266	27.7	36.9	31.4	0.8									
	Scranton, Pa.	129,867	38,745	27,299	55,431	45,229	35,112	28,959	567	521	12	29.8	42.7	27.0	0.4									
	Seattle, Wash.	237,194	105,784	38,810	61,134	19,349	60,835	18,656	2,966	406	7,145	44.6	25.8	25.6	1.0									
	Spokane, Wash.	104,402	54,574	18,756	27,277	9,883	21,220	7,462	728	376	608	52.3	26.1	20.3	0.7									
	Syracuse, N. Y.	137,249	58,408	43,817	46,912	39,787	30,781	23,705	1,124	1,034	24	42.6	34.2	22.1	0.8									
	Toledo, Ohio.	168,397	75,147	52,222	59,383	50,128	32,037	27,729	1,877	1,710	53	44.6	35.2	19.0	1.1									
	Washington, D. C.	331,069	166,711	134,073	45,066	37,939	24,831	19,520	94,466	86,702	495	50.4	13.6	7.4	28.5									
	Worcester, Mass.	145,986	41,421	37,261	54,751	42,417	48,492	37,528	1,241	1,104	81	28.4	37.5	33.2	0.9									

<sup>1</sup> Includes population of Allegheny for 1900.

COLOR OR RACE, NATIVITY, AND PARENTAGE IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910.

Table 20		Total population.	NATIVE WHITE.								FOREIGN-BORN WHITE.	NEGRO.				Ind., Chi., Jap., and all other.	CITY.	Total population.	NATIVE WHITE.								FOREIGN-BORN WHITE.	NEGRO.				Ind., Chi., Jap., and all other.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
CITY.	Native parentage.		Foreign or mixed par.		Native parentage.		Foreign or mixed par.		Native parentage.			Foreign or mixed par.		Native parentage.					Foreign or mixed par.		Native parentage.		Foreign or mixed par.		Native parentage.			Foreign or mixed par.		Native parentage.			Foreign or mixed par.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Num-ber.		Per- cent.	Num-ber.	Per- cent.	Num-ber.	Per- cent.	Num-ber.	Per- cent.	Num-ber.		Per- cent.	Num-ber.	Per- cent.	Num-ber.				Per- cent.	Num-ber.	Per- cent.	Num-ber.	Per- cent.	Num-ber.	Per- cent.	Num-ber.		Per- cent.	Num-ber.	Per- cent.	Num-ber.		Per- cent.	Num-ber.	Per- cent.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Alabama																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									</



## CLASSIFICATION OF THE POPULATION BY SEX.

## UNITED STATES AS A WHOLE.

**General summary: 1910 and 1900.**—Table 21 gives for the United States the sex distribution of the total population and of each of the principal color or race, nativity, and parentage classes in 1910 and 1900.

CLASS OF POPULATION.	1910			1900		
	Male.	Female.	Males to 100 females.	Male.	Female.	Males to 100 females.
<b>Total population.</b>	<b>47,332,277</b>	<b>44,639,989</b>	<b>106.0</b>	<b>38,816,448</b>	<b>37,178,127</b>	<b>104.4</b>
White.	42,178,245	39,553,712	106.6	34,201,735	32,607,461	104.9
Negro.	4,885,881	4,941,882	98.9	4,386,547	4,447,447	98.6
Other colored races:						
Indian.	135,133	130,550	103.5	119,484	117,712	101.5
Chinese.	66,856	4,675	1,430.1	85,341	4,522.1	887.2
Japanese.	63,076	9,087	694.1	23,341	985	2,369.6
All other.	3,092	83	( <sup>1</sup> )			
<b>Total white.</b>	<b>42,178,245</b>	<b>39,553,712</b>	<b>106.6</b>	<b>34,201,735</b>	<b>32,607,461</b>	<b>104.9</b>
Native.	34,654,457	33,731,955	102.7	28,686,450	27,908,929	102.8
Native parentage.	25,229,218	24,259,327	104.6	20,849,847	20,099,515	103.7
Foreign parentage.	6,456,793	6,459,518	100.0	5,341,550	5,290,930	101.0
Mixed parentage.	2,968,446	3,013,080	98.5	2,495,257	2,518,484	99.1
Foreign born.	7,523,788	5,821,757	129.2	5,515,287	4,698,532	117.4

<sup>1</sup> Ratio not shown, the number of females being less than 100.

There were in the United States in 1910, 47,332,277 males and 44,639,989 females, or 106 males to each 100 females. In most European countries females outnumber males, the number of males to 100 females, according to recent censuses, being 93.7 in England and Wales, 96.7 in France, 97.4 in the German Empire, 97 in Switzerland, 99 in Italy, 96.5 in Austria, 99.1 in Hungary, and 98.9 in Russia.

The excess of males in the United States is partly due to extensive immigration, a much larger proportion of the immigrants being males than females. In the native white population of the United States, however, there is also an excess of males over females. The number of males in this class in 1910 was 34,654,457 and the number of females 33,731,955, the ratio being 102.7 males to each 100 females.

Considerable differences in sex distribution appear among the several classes of population in the United States. There is a great excess of males in the Chinese and Japanese population, and among the foreign-born whites in 1910 there were 129.2 males to 100 females. The variations in sex distribution among the several native groups—the negroes, the Indians (these two classes being practically all native), and the three parentage groups of native whites—are not easily explained. They may in some degree reflect variations in the ratio between male and female births combined with differences in the death rates, particularly of young children, in the respective groups. Among the native whites of native parentage in 1910 there were 104 males to 100 females, but among those of foreign parentage there was an almost exact equality of the sexes. Among native whites of mixed parentage the females outnumbered the males,

and this was also the case among the negroes, the ratio for the negroes being 98.9 males to 100 females. Among the Indians the males were in the majority.

Males increased more rapidly than females in the United States from 1900 to 1910. The former increased from 38,816,448 to 47,332,277, an increase of 8,515,829, or 21.9 per cent; the latter from 37,178,127 to 44,639,989, an increase of 7,461,862, or 20.1 per cent. There were 106 males to 100 females in 1910 as compared with 104.4 in 1900. The increasing predominance of males among immigrants largely accounts for this difference in the rate of increase of the two sexes. Little change occurred in the sex ratio for the native population, but among the foreign-born whites the ratio increased from 117.4 males to 100 females in 1900 to 129.2 in 1910.

**Comparison with earlier censuses.**—Table 22 shows, for each census from 1820 to 1910, the number of males and females in the total population, and the ratio of males to females for the total population, and for the whites and negroes separately; and also, for each census from 1850 to 1910, the ratio for the native whites and the foreign-born whites.

Table 22  CENSUS YEAR.	POPULATION.		Total popu- lation.	MALES TO 100 FEMALES.			
	Male.	Female.		White.			Ne- gro.
				Total.	Native.	Foreign born.	
1910.....	47,332,277	44,639,989	106.0	106.6	102.7	129.2	98.9
1900.....	38,816,448	37,178,127	104.4	104.9	102.8	117.4	98.6
1890.....	32,237,161	30,710,613	105.0	105.4	102.9	118.7	99.5
1880.....	25,518,820	24,536,953	103.6	104.0	102.1	115.9	97.8
1870.....	19,493,565	19,064,806	102.2	102.8	100.6	115.3	96.2
1860.....	16,085,204	15,338,117	104.7	105.3	103.7	115.1	99.6
1850.....	11,837,660	11,754,216	104.3	105.2	103.1	123.8	99.1
1840.....	8,688,532	8,380,921	103.7	104.5	.....	.....	99.5
1830.....	6,532,489	6,333,531	103.1	103.8	.....	.....	100.3
1820.....	4,896,605	4,741,848	103.3	103.2	.....	.....	103.4

The sex ratio of the total population, while it has not varied greatly since 1820, reveals a tendency to an increasing preponderance of males, largely accounted for, no doubt, by increasing immigration. The rather marked decline in the ratio of males to females revealed by the census of 1870 probably reflects the effects of the Civil War. The decline between 1890 and 1900 is attributable to the check to immigration consequent upon the financial crisis of 1893. On the other hand, the enormous immigration between 1900 and 1910 resulted in a relative excess of males in 1910 greater than recorded by any previous census. The excess of males over females has, at every census since 1830, been confined to the whites, there being a slight excess of females over males in the negro population. The sex of the negro population was not reported prior to 1820. For the whites the number of males to 100 females in 1790 was 103.8, and both in 1800 and 1810 it was 104.

There has been little variation in the ratio of males to females in the native white population since 1880,

but the ratio in 1870—100.6 males to 100 females—was appreciably lower than at the subsequent censuses. Among foreign-born whites the ratio of males to females was higher in 1910 than at any of the preceding censuses for which figures are available.

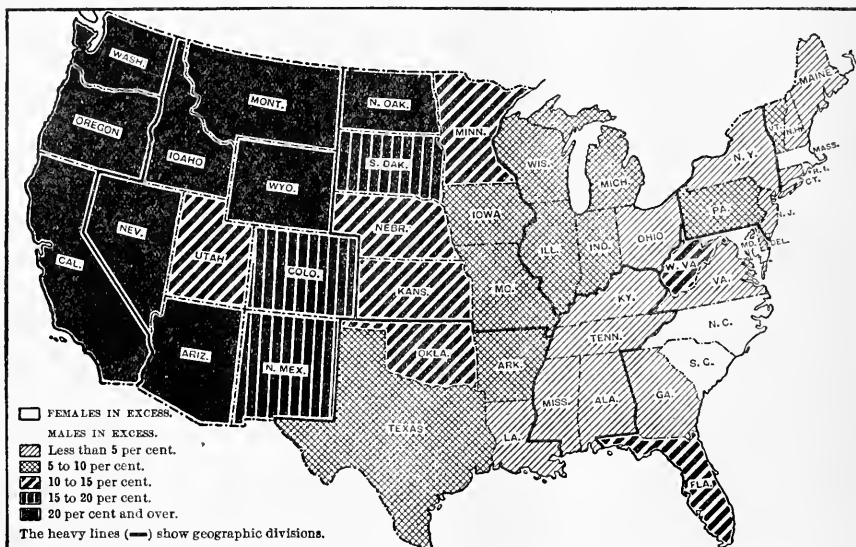
#### DIVISIONS AND STATES.

The population of each geographic division for the principal color or race, nativity, and parentage elements, in 1910 and 1900, is classified by sex

in Table 23. Similar data for each state are given in Tables 25 and 26 on subsequent pages, except that the 1900 figures are given only for the aggregate and for the foreign-born white population, the latter being the only large class in which there has been a material change in sex distribution since 1900.

The accompanying map shows graphically the differences among the states in the ratio of males to females in the total population for 1910.

RATIO OF MALES TO FEMALES IN THE TOTAL POPULATION: 1910.



The preponderance of males in the aggregate population in 1910 was most marked in the Pacific and Mountain divisions, with ratios, respectively, of 129.5 and 127.9 males to 100 females. The proportion of males was lowest in New England, where there was a slight excess of females over males, and in the South Atlantic and East South Central divisions. Except in the East South Central division, where the ratio of males to females was the same in 1900 as in 1910, and in the Mountain division, where it decreased slightly (from 128 to 127.9), the proportion of males in each division was greater in 1910 than in 1900. The proportion of males increased in every state east of the Mississippi except in Kentucky and Tennessee, where the changes were insignificant. West of the Mississippi the proportion increased in 9 states, decreased in 12 states, and remained unchanged in 1 state.

The sex distribution of the total population in any state is more or less affected by immigration from foreign countries and by migratory movements from or to other states. The ratio of males to females among

the native whites of native parentage is considerably affected by interstate migration. In general, men are more apt to migrate than women. As in the case of the aggregate population, the excess of males among native whites of native parentage was greatest in the Mountain and Pacific divisions, which have grown rapidly through migration from farther east, the ratios in 1910 being, respectively, 119.8 and 117.4 males to 100 females. In two of the eastern divisions, the New England and Middle Atlantic, there was an excess of females over males in this class. The number of males to 100 females in 1910 in the District of Columbia was lower than in any of the states. Among the states it was lowest in Massachusetts (95.2) and highest in Nevada (161.3), Wyoming (151.8), Montana (139.6), and Arizona (135).

In every division, and in every state except Massachusetts, Virginia, Arkansas, Oklahoma, and New Mexico, the proportion of males among the native whites of foreign or mixed parentage was lower than it was among the native whites of native parentage. In

each of the five divisions east of the Mississippi the males in the former class were outnumbered by the females. The lowest ratio shown for any division was that for the East South Central, 94.5 males to 100 females.

Table 23 DIVISION AND CLASS OF POPULATION.	1910			1900		
	Male.	Female.	Males to 100 females.	Male.	Female.	Males to 100 females.
<b>UNITED STATES.</b>						
Total.....	47,332,277	44,639,969	106.0	38,816,446	37,178,127	104.4
Native white.....	34,654,457	33,731,955	102.7	28,686,456	27,908,929	102.8
Native parentage.....	35,229,218	34,239,557	104.0	30,849,847	29,999,515	103.7
Foreign or mixed par.....	9,125,859	9,472,598	99.5	7,836,603	7,899,418	100.3
Foreign-born white.....	7,523,788	8,821,757	129.2	5,515,285	4,698,527	117.4
Negro.....	4,885,881	4,941,882	98.9	4,386,547	4,447,447	98.6
<b>New England</b>						
Total.....	3,265,114	3,287,567	99.3	2,763,795	2,828,221	97.7
Native white.....	2,209,269	2,366,359	97.1	2,020,861	2,069,263	97.7
Native parentage.....	1,293,890	1,319,629	98.1	1,243,718	1,267,392	98.1
Foreign or mixed par.....	1,005,579	1,047,330	96.0	777,143	801,901	96.9
Foreign-born white.....	928,337	886,049	104.8	709,260	727,612	97.5
Negro.....	32,783	34,529	97.8	28,579	30,520	93.6
<b>Middle Atlantic</b>						
Total.....	9,813,266	9,802,626	103.3	7,761,081	7,693,597	100.9
Native white.....	6,954,755	7,069,518	98.0	5,538,471	5,950,275	98.5
Native parentage.....	4,208,191	4,254,770	98.9	3,687,384	3,719,195	99.1
Foreign or mixed par.....	2,746,564	2,844,748	96.5	2,171,087	2,231,090	97.3
Foreign-born white.....	2,641,593	2,184,584	130.9	1,728,495	1,573,623	109.8
Negro.....	205,466	214,404	94.9	159,711	166,210	96.1
<b>East North Central</b>						
Total.....	9,392,638	8,857,782	106.0	8,177,308	7,808,273	104.7
Native white.....	7,482,146	7,378,256	101.4	6,612,063	6,477,693	102.1
Native parentage.....	4,945,547	4,806,421	102.9	4,311,913	4,176,109	103.3
Foreign or mixed par.....	2,536,596	2,571,835	98.6	2,300,150	2,301,590	99.9
Foreign-born white.....	1,741,015	1,526,305	131.3	1,420,884	1,199,919	118.4
Negro.....	156,451	144,408	108.3	134,445	123,397	109.0
<b>West North Central</b>						
Total.....	6,092,855	5,545,066	109.7	5,412,014	4,935,409	109.7
Native white.....	4,909,117	4,739,273	105.5	4,401,385	4,133,327	106.5
Native parentage.....	3,365,357	3,158,330	106.6	2,933,804	2,727,099	107.6
Foreign or mixed par.....	1,633,760	1,580,943	103.3	1,467,581	1,406,228	104.4
Foreign-born white.....	944,767	668,464	141.3	860,985	664,120	128.3
Negro.....	125,834	116,798	107.8	121,272	116,637	104.0
<b>South Atlantic</b>						
Total.....	6,134,695	6,060,290	101.2	5,222,555	5,220,685	100.0
Native white.....	3,955,706	3,855,342	101.8	3,266,609	3,230,596	101.1
Native parentage.....	3,708,417	3,632,788	102.1	3,073,951	3,033,363	101.3
Foreign or mixed par.....	217,289	222,554	97.6	192,658	197,203	97.7
Foreign-born white.....	172,872	117,085	146.9	115,360	88,525	129.3
Negro.....	2,029,808	2,082,680	97.5	1,835,521	1,838,492	98.9
<b>East South Central</b>						
Total.....	4,245,169	4,154,732	101.8	3,809,666	3,734,091	101.9
Native white.....	2,577,060	2,790,409	103.1	2,514,132	2,441,033	103.0
Native parentage.....	2,772,592	2,679,900	103.5	2,400,720	2,325,054	103.3
Foreign or mixed par.....	104,468	110,509	94.5	113,412	115,979	97.8
Foreign-born white.....	50,542	36,315	139.2	50,706	38,976	130.1
Negro.....	1,315,792	1,356,731	98.4	1,243,082	1,256,804	98.9
<b>West South Central</b>						
Total.....	4,544,505	4,240,029	107.2	3,372,256	3,169,034	106.7
Native white.....	3,307,345	3,035,287	107.9	2,539,975	2,167,080	108.0
Native parentage.....	2,997,129	2,770,320	108.2	2,065,999	1,932,945	108.4
Foreign or mixed par.....	310,216	246,067	103.1	243,976	234,135	104.2
Foreign-born white.....	202,742	195,017	138.8	151,353	112,677	134.3
Negro.....	994,023	990,401	100.4	846,797	847,309	99.9
<b>Mountain</b>						
Total.....	1,478,018	1,155,499	127.9	940,038	734,619	128.0
Native white.....	1,126,126	857,419	117.6	704,452	587,042	120.0
Native parentage.....	799,336	667,294	119.8	471,222	383,879	123.8
Foreign or mixed par.....	326,790	290,125	112.6	233,230	203,163	114.8
Foreign-born white.....	286,022	150,888	189.6	179,990	108,371	166.1
Negro.....	11,706	9,701	121.3	9,104	6,486	140.4
<b>Pacific</b>						
Total.....	2,365,996	1,826,398	129.5	1,357,894	1,056,998	128.2
Native white.....	1,682,633	1,479,492	113.8	968,502	822,020	113.6
Native parentage.....	1,138,705	970,005	117.4	631,136	534,455	118.1
Foreign or mixed par.....	544,168	509,487	106.8	337,366	318,135	106.0
Foreign-born white.....	555,898	505,550	181.9	292,775	179,716	162.9
Negro.....	15,946	15,249	120.4	8,052	6,332	121.1

In the foreign-born white population the number of males to 100 females in 1910 was highest in the Mountain division (189.6), almost as high in the Pacific division (181.9), and lowest in New England (104.8). In the other divisions it ranged from 120.9 in the Middle

Atlantic to 146.9 in the South Atlantic. The highest state ratios were for Nevada (331.4 to 100), Wyoming (287.2), West Virginia (261.8), Montana (238.4), Idaho (227.5), and Oregon (209.9); the lowest was that for Massachusetts (99.5). In every division, and in every state except Virginia, Alabama, Mississippi, and Arkansas, the proportion of males among foreign-born whites was greater in 1910 than it was in 1900.

The negro population in 1910 showed an excess of females in the South Atlantic and East South Central divisions, the two divisions where negroes are most numerous, but a slight excess of males appeared in the West South Central division. Among the other divisions females were in excess in the New England and Middle Atlantic divisions only, the excess of males in the other four divisions being doubtless due to a preponderance of males among negroes migrating from the South.

The sex distribution of the Indian, the Chinese, and the Japanese population in 1910 is shown in Table 24 for the United States and for the states in which these elements are relatively numerous.

Table 24 STATE.	Male.	Female.	Males to 100 females.
<b>INDIAN.</b>			
United States.....	135,133	130,550	103.5
Oklahoma.....	37,690	37,145	101.5
Arizona.....	15,056	14,145	106.4
New Mexico.....	10,429	10,153	102.6
South Dakota.....	9,540	9,697	99.4
California.....	8,356	8,015	104.3
Washington.....	5,487	5,510	99.6
Montana.....	5,384	5,061	106.4
Wisconsin.....	5,231	4,911	106.5
Minnesota.....	4,578	4,475	102.3
Michigan.....	3,968	3,551	111.7
North Carolina.....	3,964	3,887	102.0
North Dakota.....	3,224	3,262	98.8
New York.....	3,075	2,971	103.5
Nevada.....	2,633	2,607	101.0
Nebraska.....	2,534	2,556	99.1
Idaho.....	1,767	1,721	102.7
Utah.....	1,673	1,450	115.4
Kansas.....	1,394	1,050	132.8
All other states.....	7,382	6,468	114.1
<b>CHINESE.</b>			
United States.....	66,650	4,675	1,430.1
California.....	33,003	3,245	1,017.0
Oregon.....	7,043	1,688	2,200.9
New York.....	5,065	201	2,519.9
Washington.....	2,519	190	1,325.8
Massachusetts.....	2,818	64	( <sup>1</sup> )
Illinois.....	2,030	73	( <sup>1</sup> )
Pennsylvania.....	1,749	35	( <sup>1</sup> )
Arizona.....	1,242	63	( <sup>1</sup> )
Montana.....	1,227	58	( <sup>1</sup> )
New Jersey.....	1,089	50	( <sup>1</sup> )
All other states.....	9,371	376	2,492.3
<b>JAPANESE.</b>			
United States.....	63,070	9,687	664.1
California.....	35,116	6,240	562.8
Washington.....	11,241	1,688	663.9
Oregon.....	3,124	294	1,032.6
Colorado.....	2,192	108	2,020.6
Utah.....	2,021	89	( <sup>1</sup> )
Montana.....	1,859	26	( <sup>1</sup> )
Wyoming.....	1,649	47	( <sup>1</sup> )
Idaho.....	1,293	70	( <sup>1</sup> )
New York.....	1,080	167	646.7
All other states.....	3,895	358	1,088.0

<sup>1</sup> Ratio not shown, the number of females being less than 100.



## ABSTRACT OF THE CENSUS—POPULATION.

## MALES AND FEMALES, BY STATES: 1910.

Table 25

DIVISION AND STATE.	TOTAL POPULATION.									WHITE: 1910			NEGRO: 1910			INDIAN, CHINESE, JAPANESE, AND ALL OTHER: 1910		
	1910			1900														
	Male.	Female.	Males to 100 fe- males.	Male.	Female.	Males to 100 fe- males.	Male.	Female.	Males to 100 fe- males.	Male.	Female.	Males to 100 fe- males.	Male.	Female.	Males to 100 fe- males.	Male.	Female.	Males to 100 fe- males.
<b>United States</b> .....	47,332,277	44,639,989	106.0	38,816,448	37,178,127	104.4	42,178,245	39,553,712	106.6	4,885,881	4,941,882	98.9	268,151	144,335	185.7			
<b>NEW ENGLAND:</b>																		
Maine.....	377,052	365,319	103.2	350,965	343,471	102.2	375,766	364,229	103.2	700	663	105.6	586	427	137.2			
New Hampshire.....	216,290	214,282	100.9	205,379	206,269	99.6	215,918	213,988	100.9	288	276	104.3	84	18	(1)			
Vermont.....	182,568	173,388	105.3	175,138	168,593	103.9	181,372	172,926	104.9	1,173	448	261.8	23	14	(1)			
Massachusetts.....	1,655,248	1,711,168	96.7	1,367,474	1,437,872	95.1	1,633,487	1,691,439	96.6	18,748	19,307	97.1	3,013	422	714.0			
Rhode Island.....	270,314	272,296	99.3	210,516	218,940	96.5	265,242	267,250	99.2	4,645	4,884	95.1	427	162	263.6			
Connecticut.....	563,642	551,114	102.3	454,294	454,126	100.0	555,821	543,076	102.3	7,229	7,945	91.0	582	93	(1)			
<b>MIDDLE ATLANTIC:</b>																		
New York.....	4,584,597	4,529,017	101.2	3,614,780	3,654,111	98.9	4,511,327	4,455,518	101.2	64,034	70,157	91.3	9,236	3,342	276.4			
New Jersey.....	1,286,493	1,250,704	102.9	941,769	941,909	100.0	1,241,482	1,204,412	103.1	43,602	46,158	94.5	1,379	134	1,029.1			
Pennsylvania.....	3,942,296	3,722,905	105.9	3,204,541	3,097,574	103.5	3,843,539	3,624,174	106.1	95,830	98,089	97.7	2,837	642	441.9			
<b>EAST NORTH CENTRAL:</b>																		
Ohio.....	2,434,758	2,332,363	104.4	2,102,655	2,054,890	102.3	2,376,082	2,278,815	104.3	57,995	53,457	108.5	681	91	(1)			
Indiana.....	1,383,295	1,317,581	105.0	1,285,404	1,231,058	104.4	1,351,792	1,288,169	104.9	31,044	29,276	106.0	459	136	337.5			
Illinois.....	2,911,674	2,726,917	106.8	2,472,782	2,348,768	105.3	2,852,386	2,674,576	106.6	56,909	52,140	109.1	2,379	201	1,183.6			
Michigan.....	2,144,534	1,355,639	107.3	1,248,905	1,172,077	106.6	1,441,281	1,343,966	107.2	9,007	8,108	111.1	4,246	3,565	119.1			
Wisconsin.....	1,208,578	1,125,282	107.4	1,067,562	1,001,430	106.6	1,201,620	1,118,933	107.4	1,476	1,424	103.7	5,482	4,923	111.4			
<b>WEST NORTH CENTRAL:</b>																		
Minnesota.....	1,108,511	967,197	114.6	932,490	818,994	113.9	1,099,425	959,802	114.5	4,183	2,901	144.2	4,903	4,494	109.1			
Iowa.....	1,148,171	1,076,600	106.6	1,136,819	1,075,004	107.6	1,139,621	1,069,570	106.5	8,120	6,853	118.5	430	177	242.9			
Missouri.....	1,687,813	1,605,522	105.1	1,595,716	1,519,955	105.0	1,606,556	1,528,376	105.1	80,489	76,963	104.6	768	183	419.7			
North Dakota.....	317,554	239,022	122.4	177,493	111,633	125.3	313,851	256,004	122.6	381	236	161.4	3,322	3,262	101.8			
South Dakota.....	317,112	266,776	118.9	216,164	185,406	116.6	306,952	256,819	119.5	468	349	134.2	9,692	9,608	100.9			
Nebraska.....	627,782	564,432	111.2	564,592	501,708	112.5	621,042	559,251	111.0	4,259	3,430	124.2	2,481	1,751	141.7			
Kansas.....	885,912	805,037	110.0	768,716	701,779	109.5	856,437	777,915	110.1	27,954	26,006	107.3	1,511	1,056	143.1			
<b>SOUTH ATLANTIC:</b>																		
Delaware.....	103,435	98,887	104.6	94,158	90,577	104.0	87,387	83,715	104.4	16,011	15,170	105.5	37	2	(1)			
Maryland.....	644,225	651,121	98.9	589,275	598,769	98.4	529,072	533,367	99.2	114,749	117,501	97.7	404	53	(1)			
District of Columbia.....	158,050	173,019	91.3	132,004	146,714	90.0	115,001	121,127	94.9	42,615	51,831	82.2	434	61	(1)			
Virginia.....	1,035,348	1,026,264	100.9	925,897	928,287	99.7	704,363	685,446	102.8	330,542	349,554	97.1	443	264	167.8			
West Virginia.....	644,041	577,075	111.6	499,242	459,558	108.6	607,328	549,941	110.5	36,607	27,566	132.8	111	18	(1)			
North Carolina.....	1,098,476	1,107,811	99.2	938,677	955,133	98.3	754,852	745,659	102.2	339,581	358,262	94.8	4,043	3,890	103.9			
South Carolina.....	751,842	763,558	98.5	664,895	675,421	98.4	343,544	335,617	102.4	408,078	427,765	95.4	220	176	125.0			
Georgia.....	1,305,019	1,304,102	100.1	1,103,201	1,113,130	99.1	724,488	707,314	102.4	580,263	596,724	97.2	268	64	(1)			
Florida.....	394,166	358,453	110.0	275,246	253,296	108.7	232,545	211,089	110.2	161,362	147,307	109.5	259	57	(1)			
<b>EAST SOUTH CENTRAL:</b>																		
Kentucky.....	1,161,709	1,128,196	103.0	1,090,227	1,056,947	103.1	1,030,033	997,918	103.2	131,492	130,164	101.0	184	114	161.4			
Tennessee.....	1,103,491	1,081,288	102.1	1,021,224	999,392	102.2	869,622	841,510	103.3	233,710	239,378	97.6	159	110	144.5			
Alabama.....	1,074,209	1,063,584	101.0	916,764	911,933	100.5	628,891	602,941	103.8	447,794	460,488	97.2	524	455	115.2			
Mississippi.....	905,760	891,354	101.6	781,451	769,819	101.5	402,056	384,055	104.7	502,796	506,691	99.2	908	608	149.3			
<b>WEST SOUTH CENTRAL:</b>																		
Arkansas.....	810,026	764,423	106.0	675,312	636,252	106.1	586,420	544,606	107.7	223,323	219,568	101.7	283	249	113.7			
Louisiana.....	835,275	821,113	101.7	694,733	686,892	101.1	480,460	460,626	104.3	353,824	360,050	98.3	991	437	226.8			
Oklahoma <sup>1</sup> .....	881,578	775,577	113.7	423,311	367,080	115.3	771,770	672,761	114.7	71,937	65,675	109.5	37,871	37,141	102.0			
Texas.....	2,017,626	1,878,916	107.4	1,578,900	1,469,810	107.4	1,671,437	1,533,411	109.0	344,941	345,108	100.0	1,248	397	314.4			
<b>MOUNTAIN:</b>																		
Montana.....	226,872	149,181	152.1	149,812	93,187	160.3	217,620	142,960	152.2	1,068	776	136.3	8,194	5,445	150.5			
Idaho.....	185,546	140,048	132.5	93,367	68,405	136.5	181,237	137,984	131.3	398	253	157.3	3,911	1,811	216.0			
Wyoming.....	91,670	54,295	168.8	58,184	34,347	169.4	87,497	52,821	165.6	1,544	691	223.4	2,629	783	335.8			
Colorado.....	430,697	368,327	116.9	295,332	244,368	120.9	421,473	361,944	116.4	5,566	5,566	100.0	3,359	797	421.5			
New Mexico.....	175,245	152,056	115.3	104,228	91,082	114.4	163,442	141,152	115.8	891	737	120.9	10,912	10,167	107.3			
Arizona.....	118,574	85,780	138.2	71,795	51,136	140.4	100,857	70,597	142.9	1,054	955	110.4	16,649	14,228	117.0			
Utah.....	196,863	176,488	111.5	141,687	135,068	104.9	192,118	174,365	110.1	691	453	152.5	4,054	1,570	258.2			
Nevada.....	52,551	29,324	179.2	25,603	16,732	153.0	47,892	26,384	181.5	263	250	105.2	4,396	2,690	163.4			
<b>PACIFIC:</b>																		
Washington.....	658,693	483,327	136.3	304,178	213,925	142.2	635,496	473,615	134.2	3,736	2,322	160.9	19,431	7,390	262.9			
Oregon.....	384,265	288,500	133.2	232,985	180,551	129.0	370,345	284,745	130.1	907	585	155.0	13,013	3,170	410.5			
California.....	1,322,978	1,054,571	125.5	820,531	664,522	123.5	1,232,990	1,026,682	120.1	11,303	10,342	109.3	78,685	17,547	448.4			

<sup>1</sup> Ratio not shown, the number of females being less than 100.<sup>2</sup> Includes population of Indian Territory for 1900.



# CLASSIFICATION OF POPULATION BY SEX.

101

## WHITE MALES AND FEMALES, BY STATES: 1910.

Table 26

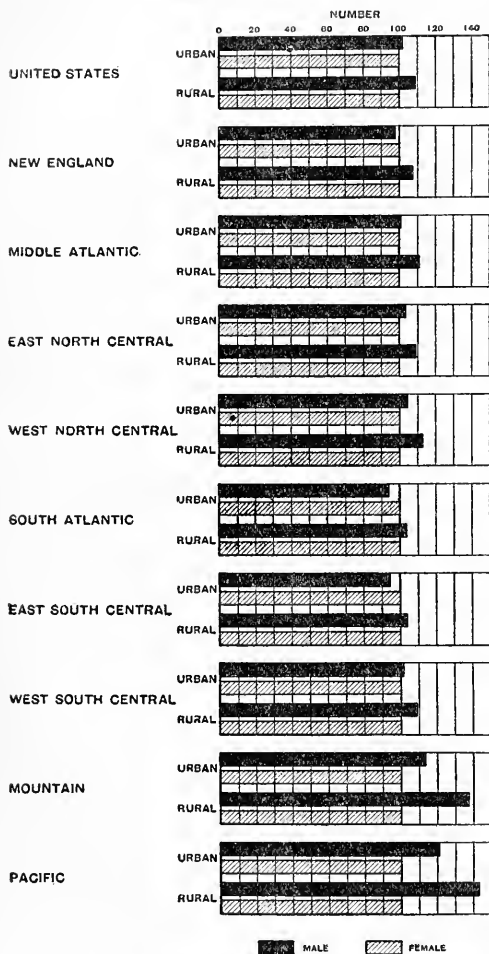
DIVISION AND STATE.	NATIVE WHITE: 1910									FOREIGN-BORN WHITE.					
	Total.			Native parentage.			Foreign or mixed parentage.			1910			1900		
	Male.	Female.	Males to 100 females.	Male.	Female.	Males to 100 females.	Male.	Female.	Males to 100 females.	Male.	Female.	Males to 100 females.	Male.	Female.	Males to 100 females.
<b>United States</b> .....	34,654,457	33,731,955	102.7	25,229,218	24,259,357	104.0	9,425,239	9,472,598	99.5	7,524,788	5,821,757	129.2	5,515,285	4,698,532	117.4
<b>NEW ENGLAND:</b>															
Maine.....	317,798	312,064	101.8	249,738	245,169	101.9	68,060	66,895	101.7	57,968	52,165	111.1	47,976	44,959	106.7
New Hampshire.....	165,250	168,098	98.3	114,628	115,603	99.2	50,622	52,495	96.4	50,668	45,890	110.4	44,387	43,574	101.9
Vermont.....	153,450	150,987	101.6	116,227	113,155	102.7	37,223	37,832	98.4	27,922	21,939	127.3	24,508	20,186	121.4
Massachusetts.....	1,109,359	1,164,517	95.3	538,094	565,335	95.2	571,265	599,182	95.3	524,128	526,922	99.6	404,001	436,113	92.6
Rhode Island.....	174,659	179,808	97.1	79,735	80,086	99.6	94,924	99,722	95.2	90,583	87,442	103.6	65,571	68,201	96.1
Connecticut.....	378,753	391,385	96.8	195,408	200,181	97.6	183,285	191,204	95.9	177,908	151,691	116.7	122,817	114,579	107.2
<b>MIDDLE ATLANTIC:</b>															
New York.....	3,078,904	3,158,609	97.5	1,606,624	1,623,701	98.9	1,472,280	1,534,908	95.9	1,432,423	1,296,849	110.5	953,785	935,738	101.9
New Jersey.....	884,946	902,760	98.0	502,171	507,738	98.9	382,775	395,022	96.9	356,536	301,652	118.2	223,116	206,934	107.8
Pennsylvania.....	2,900,905	3,038,089	98.4	2,099,396	2,123,331	98.9	891,509	914,758	97.5	852,634	586,065	145.5	551,591	430,952	128.0
<b>EAST NORTH CENTRAL:</b>															
Ohio.....	2,029,941	2,027,711	100.1	1,527,978	1,505,281	101.5	501,963	522,430	96.1	346,141	251,104	137.8	246,664	211,236	116.8
Indiana.....	1,254,609	1,226,030	102.3	1,079,947	1,050,141	102.8	174,662	175,889	99.3	97,183	62,139	156.4	78,487	63,374	123.8
Illinois.....	2,178,791	2,145,611	101.5	1,324,922	1,275,633	103.9	853,869	869,978	98.1	673,595	528,965	127.3	517,648	446,987	115.8
Michigan.....	1,107,624	1,082,099	102.4	625,032	599,909	104.2	482,592	482,290	100.1	333,657	261,867	127.4	295,192	245,004	120.5
Wisconsin.....	911,181	896,805	101.6	387,668	375,357	103.2	523,513	521,248	100.4	290,439	222,130	130.8	282,393	233,312	121.0
<b>WEST NORTH CENTRAL:</b>															
Minnesota.....	778,944	737,273	105.7	301,552	273,529	110.2	477,392	463,744	102.9	320,481	222,529	144.0	287,473	217,462	132.2
Iowa.....	982,192	953,515	103.0	663,909	639,617	103.8	318,283	313,898	101.4	157,429	116,055	135.7	170,863	134,899	126.7
Missouri.....	1,474,700	1,431,336	103.0	1,218,566	1,169,269	104.2	256,134	262,067	97.7	131,856	97,040	135.9	119,565	96,210	124.3
North Dakota.....	221,221	192,487	114.9	89,162	73,299	121.6	132,059	119,177	110.8	92,630	63,528	145.8	66,145	46,445	142.4
South Dakota.....	247,256	215,877	114.5	133,071	112,581	118.2	114,185	103,306	110.5	59,696	40,932	145.8	50,967	37,362	136.4
Nebraska.....	519,461	484,967	107.1	334,144	307,931	108.5	185,317	177,036	104.7	101,581	74,284	136.7	99,712	77,405	128.8
Kansas.....	775,343	723,819	107.1	624,953	582,104	107.4	150,390	141,715	106.1	81,094	54,096	149.9	72,240	54,337	132.9
<b>SOUTH ATLANTIC:</b>															
Delaware.....	77,463	76,219	101.6	64,680	63,129	102.5	12,783	13,090	97.7	9,924	7,496	132.4	7,530	6,199	121.5
Maryland.....	474,755	483,710	98.1	381,395	385,232	99.0	93,360	98,478	94.8	54,317	49,857	108.9	47,005	46,139	101.9
Dist. of Columbia.....	102,084	109,693	93.1	80,507	86,204	93.4	21,577	23,489	91.9	12,917	11,434	110.9	10,213	9,307	109.7
Virginia.....	687,635	675,546	101.8	667,946	657,292	101.6	19,689	18,254	107.9	16,728	9,900	169.0	12,664	7,034	177.1
West Virginia.....	566,027	533,718	106.1	536,985	505,122	106.3	29,042	28,596	101.6	41,299	15,773	261.8	14,164	8,215	172.4
North Carolina.....	751,107	743,462	101.0	746,715	739,043	101.0	4,392	4,459	98.5	3,745	2,197	170.5	2,712	1,682	161.2
South Carolina.....	359,825	333,282	107.9	334,338	327,632	102.0	5,487	5,650	97.1	3,719	2,335	159.3	3,159	2,212	142.8
Georgia.....	714,970	701,760	101.9	702,049	689,009	101.9	12,921	12,751	101.3	9,518	5,554	171.4	7,283	4,738	153.7
Florida.....	211,840	197,952	107.0	193,802	180,165	107.6	18,038	17,787	101.4	20,705	13,137	157.6	11,260	7,997	140.8
<b>EAST SOUTH CENTRAL:</b>															
Kentucky.....	1,008,422	979,476	102.9	948,864	914,330	103.8	59,558	65,146	91.4	21,611	18,442	117.2	26,440	23,693	111.6
Tennessee.....	858,475	834,498	102.9	839,497	815,109	103.0	18,978	19,389	97.9	11,147	7,312	152.4	10,201	7,255	141.1
Alabama.....	614,065	595,811	103.1	597,894	579,565	103.2	16,171	16,246	99.5	11,826	7,130	165.9	8,949	5,389	166.1
Mississippi.....	396,098	350,624	113.1	386,337	370,896	104.2	9,761	9,728	100.3	5,958	3,431	173.7	5,026	2,599	193.4
<b>WEST SOUTH CENTRAL:</b>															
Arkansas.....	575,813	538,304	107.0	556,409	521,100	106.8	19,404	17,204	112.8	10,607	6,302	168.3	8,911	5,275	168.9
Louisiana.....	450,817	438,487	102.8	396,356	380,231	104.2	54,461	58,256	93.5	23,643	22,139	103.9	28,834	23,019	125.3
Oklahoma.....	746,100	658,347	113.3	695,556	614,847	113.1	50,544	43,500	116.2	25,670	14,414	178.1	12,678	7,712	164.4
Texas.....	1,534,615	1,430,249	107.3	1,348,808	1,254,142	107.5	185,807	176,107	105.5	136,822	103,162	132.6	100,910	76,671	131.6
<b>MOUNTAIN:</b>															
Montana.....	153,060	115,870	132.1	94,467	67,660	139.6	58,593	48,216	121.5	64,560	27,084	238.4	43,209	19,164	225.5
Idaho.....	153,155	125,639	121.9	112,310	91,289	123.0	40,845	34,350	118.9	28,082	12,345	227.5	14,525	7,365	197.2
Wyoming.....	67,382	45,181	147.1	48,652	32,944	151.8	18,730	13,774	136.0	20,115	7,003	287.2	11,386	4,966	231.9
Colorado.....	243,397	213,167	109.7	250,989	224,147	112.0	92,408	89,020	103.8	78,074	48,777	160.1	55,422	35,053	158.1
New Mexico.....	148,610	133,330	111.5	134,528	121,081	111.1	14,082	12,249	115.0	14,832	7,822	189.6	8,270	4,991	165.7
Arizona.....	70,285	54,359	129.3	47,370	35,098	135.0	22,915	19,261	119.0	30,586	16,238	188.4	14,119	8,206	172.9
Utah.....	156,172	147,018	106.2	89,205	82,458	108.2	66,967	64,560	103.7	35,946	27,447	131.0	26,728	26,076	102.5
Nevada.....	34,065	22,212	153.4	21,809	13,517	161.3	12,256	8,095	141.0	13,827	4,172	331.4	6,061	2,520	240.5
<b>PACIFIC:</b>															
Washington.....	474,773	393,139	120.8	324,335	261,051	124.2	150,440	132,088	113.9	160,721	80,476	199.7	67,078	35,077	191.6
Oregon.....	300,585	251,904	119.5	228,772	188,079	121.6	71,813	63,825	113.2	69,760	33,241	209.9	33,885	19,976	169.4
California.....	907,573	834,849	108.7	585,638	520,875	112.4	321,915	313,974	102.5	325,417	191,833	169.6	191,812	124,693	153.8

\* Includes population of Indian Territory for 1900.

## URBAN AND RURAL POPULATION.

Table 27 gives the ratio of males to females in the total population and the principal color or race, nativity, and parentage classes in urban and in rural communities, respectively, for the country as a whole and for each division separately. Table 28 shows the corresponding classification by sex. The accompanying diagram shows graphically the ratios for each geographic division.

MALES TO 100 FEMALES IN URBAN AND RURAL COMMUNITIES: 1910.



Of the aggregate urban population of the United States in 1910, 21,496,181 were males and 21,127,202 females, the number of males to 100 females being 101.7. Of the aggregate rural population, 25,836,096

were males and 23,512,787 females, the number of males to 100 females being 109.9. In each class of the population the proportion of males increased between 1900 and 1910—in the urban, from 98.7 to 101.7 males to 100 females, and in the rural, from 108.5 to 109.9.

In every division also the proportion of males, both in the urban and in the rural population, increased between 1900 and 1910; and in every division, as in the country as a whole, the proportion of males in rural communities was greater than in urban. In the rural population of each division the males outnumbered the females, but in the urban population of three divisions—the New England, South Atlantic, and East South Central—the females outnumbered the males.

The fact that females form a larger proportion of the population in urban than in rural communities throughout the United States exists despite the fact that the foreign-born whites—a class in which, as previously noted, males are greatly in the majority—are largely concentrated in cities.

The higher proportion of females in the cities is generally attributed, at least in part, to the fact that the city as compared with the country affords more opportunities for women to find employment. Differences in birth and death rates also probably affect it.

Table 27

MALES TO 100 FEMALES.

DIVISION AND CLASS OF COMMUNITY.	Total population.		Native white: 1910		Foreign- born white: 1910	Negro: 1910
	1910	1900	Native parent- age.	Foreign or mixed parent- age.		
United States.....	106.0	104.4	104.0	99.5	129.2	98.9
Urban.....	101.7	98.7	99.3	94.8	118.9	90.8
Rural.....	109.9	108.5	106.7	109.6	161.1	102.1
NEW ENGLAND.....	99.3	97.7	98.1	96.0	104.8	97.8
Urban.....	97.8	95.7	95.5	95.2	103.1	95.2
Rural.....	107.4	106.1	104.6	104.6	128.1	131.8
MIDDLE ATLANTIC.....	103.3	100.9	98.9	96.5	120.9	94.9
Urban.....	100.6	98.0	96.1	94.9	114.0	90.8
Rural.....	110.1	106.6	102.5	104.8	165.9	114.8
EAST NORTH CENTRAL.....	106.0	104.7	102.9	98.6	131.3	108.3
Urban.....	103.2	99.7	99.3	93.4	127.7	104.6
Rural.....	109.3	109.1	105.5	107.9	140.7	121.4
WEST NORTH CENTRAL.....	109.9	109.7	106.5	103.3	141.3	107.8
Urban.....	104.5	102.8	102.5	93.2	134.8	104.1
Rural.....	112.7	112.5	108.4	109.0	145.7	115.8
SOUTH ATLANTIC.....	101.2	100.0	102.1	97.6	146.9	97.5
Urban.....	94.1	91.6	95.0	93.1	121.1	86.0
Rural.....	103.8	102.5	103.9	109.8	219.3	101.0
EAST SOUTH CENTRAL.....	101.9	101.9	103.5	94.5	139.2	98.4
Urban.....	94.5	94.0	97.9	88.6	128.2	87.9
Rural.....	103.7	103.4	104.5	110.1	179.2	101.1
WEST SOUTH CENTRAL.....	107.2	106.7	108.2	105.1	138.8	100.4
Urban.....	101.2	96.5	104.2	95.1	124.9	90.6
Rural.....	109.0	108.8	109.2	112.1	148.8	103.3
MOUNTAIN.....	127.9	128.0	119.8	112.6	189.6	121.3
Urban.....	113.3	111.7	110.3	99.6	141.0	105.2
Rural.....	137.0	136.6	124.9	123.2	233.7	177.1
PACIFIC.....	129.5	128.2	117.4	106.8	181.9	120.4
Urban.....	120.2	118.0	111.2	99.2	155.8	110.3
Rural.....	143.0	137.9	124.9	120.4	236.6	190.1

## MALES AND FEMALES IN URBAN AND RURAL COMMUNITIES, BY DIVISIONS: 1910.

Table 28 DIVISION AND CLASS OF COMMUNITY.	TOTAL POPULATION.				NATIVE WHITE: 1910				FOREIGN-BORN WHITE: 1910		NEGRO: 1910	
	1910		1900		Native parentage.		Foreign or mixed parentage.		Male.	Female.	Male.	Female.
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.				
United States.....	47,322,277	44,639,989	38,816,448	37,178,127	25,229,218	24,259,357	9,425,239	9,472,598	7,523,788	5,821,757	4,885,881	4,941,532
Urban.....	21,436,181	21,127,202	15,298,189	15,499,996	8,893,553	8,956,091	6,001,484	6,345,416	5,234,642	4,400,727	1,279,454	1,469,745
Rural.....	25,886,096	23,512,787	23,518,259	21,679,131	16,335,665	15,303,266	3,423,755	3,127,182	2,289,146	1,421,030	3,606,397	3,532,137
New England.....	3,265,114	3,287,567	2,763,796	2,828,221	1,293,890	1,319,529	1,005,379	1,047,330	928,337	886,049	32,783	33,523
Urban.....	2,096,799	2,758,546	2,186,391	2,283,878	902,295	945,189	909,877	956,016	850,950	825,640	29,696	31,181
Rural.....	568,315	529,021	577,405	544,343	391,595	374,340	95,502	91,314	77,387	60,409	3,087	2,342
Middle Atlantic.....	9,813,266	9,502,626	7,761,081	7,693,597	4,208,191	4,254,770	2,746,564	2,844,748	2,641,593	2,184,586	203,466	214,404
Urban.....	6,882,582	6,840,791	4,986,332	5,089,551	2,312,444	2,406,019	2,242,400	2,363,581	2,156,963	1,892,514	161,453	177,793
Rural.....	2,930,684	2,661,835	2,774,749	2,604,046	1,895,747	1,848,751	504,164	481,167	484,630	292,072	42,013	36,611
East North Central.....	9,392,839	8,857,782	8,177,398	7,898,273	4,945,547	4,806,421	2,536,599	2,571,835	1,741,015	1,326,205	156,431	144,405
Urban.....	4,885,609	4,732,232	3,604,509	3,615,436	2,000,500	2,014,169	1,534,565	1,643,127	1,227,819	961,472	117,883	112,659
Rural.....	4,507,800	4,125,550	4,572,769	4,192,837	2,945,047	2,792,252	1,002,034	928,708	513,196	364,733	38,548	31,746
West North Central.....	6,092,855	5,545,066	5,412,014	4,935,409	3,365,357	3,158,330	1,633,760	1,589,943	944,767	668,464	125,864	116,798
Urban.....	1,979,084	1,894,632	1,493,490	1,453,054	1,004,257	980,070	525,789	504,280	362,667	269,029	83,809	80,492
Rural.....	4,113,771	3,650,434	3,918,524	3,482,355	2,361,100	2,178,260	1,107,971	1,016,663	582,100	399,435	42,065	36,306
South Atlantic.....	6,134,605	6,060,290	5,222,595	5,220,885	3,708,417	3,632,788	217,289	222,554	172,872	117,683	2,029,808	2,082,689
Urban.....	1,499,281	1,592,872	1,067,304	1,165,328	821,025	854,794	151,125	162,290	105,016	86,740	420,619	438,601
Rural.....	4,635,324	4,467,418	4,155,291	4,055,557	2,887,392	2,777,994	166,164	60,264	67,856	30,943	1,609,189	1,593,779
East South Central.....	4,245,169	4,164,732	3,809,666	3,732,091	2,772,582	2,679,900	104,463	110,509	50,542	36,315	1,315,792	1,336,721
Urban.....	764,684	809,545	548,048	583,008	423,701	433,035	70,406	79,576	31,978	25,954	238,203	270,894
Rural.....	3,480,485	3,355,187	3,261,618	3,149,083	2,348,881	2,246,865	34,062	30,933	18,564	10,361	1,077,589	1,065,827
West South Central.....	4,544,505	4,240,629	3,372,256	3,160,034	2,997,129	2,770,320	310,216	295,067	202,742	146,017	994,025	990,491
Urban.....	984,724	972,732	519,087	538,110	582,979	559,657	115,165	121,124	78,964	60,844	207,124	228,714
Rural.....	3,559,781	3,267,897	2,853,169	2,621,924	2,414,150	2,210,663	195,051	173,943	126,778	85,173	786,901	761,687
Mountain.....	1,478,018	1,155,499	1,040,038	734,619	799,330	667,294	326,796	290,125	280,022	150,888	11,766	9,701
Urban.....	503,331	441,189	255,668	255,095	257,949	233,880	129,305	129,826	101,420	71,911	7,918	7,528
Rural.....	974,687	714,310	784,370	479,524	541,381	433,414	197,491	160,299	184,602	78,977	3,848	2,173
Pacific.....	2,365,906	1,826,398	1,357,694	1,058,998	1,138,765	970,005	544,168	509,487	555,898	305,550	15,946	13,249
Urban.....	1,300,657	1,081,672	607,420	514,936	588,313	529,278	322,852	325,596	321,865	206,623	12,779	11,583
Rural.....	1,065,249	744,726	750,274	544,062	550,452	440,727	221,316	183,891	234,033	98,927	3,167	1,666

The proportion of males is lower in urban than in rural communities not only for the total population, but also for each of the principal color or race, nativity, and parentage groups. Thus in 1910 in the native white population of native parentage there were 99.3 males to 100 females in urban communities as compared with 106.7 in rural. For the native whites of foreign or mixed parentage the ratios were, respectively, 94.6 to 100 for urban and 109.5 to 100 for rural communities. A still greater disparity appeared in the case of the foreign-born whites, there being 118.9 males to 100 females (itself a high ratio) in this class in urban communities and 161.1 in rural communities. Foreigners the corresponding ratios were 90.8 and 102.1 to 100.

Especially striking are the very high ratios of males to females among the foreign-born whites in the rural population of the South Atlantic, Mountain, and Pacific divisions. The total number of foreign-born whites in the rural districts of these divisions, however, is comparatively small.

In the three southern divisions, where negroes are the most numerous, there was only a slight excess of males among the negroes in the rural population. The ratio of males to females among negroes in the urban communities of the South, however, was particularly low, ranging in 1910 from 86 males to 100 females in the South Atlantic division to 90.6 in the West South Central.

## PRINCIPAL CITIES.

Table 29 classifies by sex the total population and the principal color or race, nativity, and parentage classes in each of the 50 principal cities in 1910, and Table 31 shows the corresponding ratios of males to females. The total number of persons of each sex in cities of 25,000 to 100,000 inhabitants is shown in Table 30.

In 28 of the 50 cities of over 100,000 inhabitants the males outnumbered the females in 1910. In 39 of the cities the proportion of males was greater in 1910 than it was in 1900, and in 11 it was less. The number of males to 100 females in 1910 was greatest in Seattle (136.2) and only slightly less in Portland, Ore. (134.5). Nashville showed the smallest proportion of males, or 89.6 males to 100 females.

Of the eight cities of 500,000 inhabitants or more, Baltimore had the lowest number of males to 100 females (92.4) in 1910 and Cleveland the highest (106.6). The population of New York City was almost evenly divided by sex; in Philadelphia the females outnumbered the males; and in Chicago the males outnumbered the females.

Among the negro population in 1910 the females outnumbered the males in 28 of the cities, the proportion of males being very low in the southern cities generally.

## MALES AND FEMALES IN THE POPULATION OF CITIES OF 100,000 INHABITANTS OR MORE: 1910.

CITY.	TOTAL POPULATION.				NATIVE WHITE: 1910				FOREIGN-BORN WHITE: 1910		NEGRO: 1910	
	1910		1900		Native parentage.		Foreign or mixed parentage.		Male.	Female.	Male.	Female.
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.				
Albany, N. Y.	48,270	51,983	45,031	49,120	21,462	23,011	17,242	19,291	9,031	9,134	497	540
Albany, Ga.	54,501	50,398	48,495	45,495	48,482	46,505	3,080	3,384	2,449	2,219	28,383	28,835
Baltimore, Md.	268,195	290,290	243,280	265,677	125,702	135,772	64,478	70,392	38,636	38,407	39,054	45,985
Birmingham, Ala.	67,268	65,417	19,626	18,789	34,008	32,304	4,206	4,151	3,381	2,319	25,662	26,643
Boston, Mass.	329,703	340,882	274,922	285,970	77,368	80,502	126,648	130,456	117,786	122,036	6,664	6,900
Bridgeport, Conn.	52,549	49,505	35,381	35,615	13,723	13,433	18,202	19,112	19,005	16,275	657	675
Buffalo, N. Y.	212,502	211,213	174,931	177,456	59,915	59,777	88,755	94,918	62,796	55,648	933	840
Cambridge, Mass.	50,161	54,678	44,477	47,409	12,047	13,568	19,370	20,424	16,412	18,196	2,227	2,480
Chicago, Ill.	1,125,519	1,059,519	863,408	855,167	226,666	218,475	443,584	466,117	427,800	353,357	22,655	21,418
Cincinnati, Ohio.	177,511	186,089	157,140	168,762	76,659	78,278	61,706	70,481	29,216	27,570	9,856	9,734
Cleveland, Ohio.	289,262	271,491	192,616	189,152	66,668	65,046	109,419	114,489	108,573	87,130	4,341	4,107
Columbus, Ohio.	91,432	90,059	67,301	62,259	58,339	58,507	16,899	15,679	9,374	6,911	6,754	5,855
Dayton, Ohio.	58,848	57,729	42,142	43,191	39,129	39,172	12,045	13,514	8,173	5,674	2,867	2,771
Denver, Colo.	107,395	105,986	66,592	67,267	53,529	53,416	29,535	31,650	20,895	18,046	2,652	2,774
Detroit, Mich.	240,354	225,412	139,242	146,462	59,063	56,043	91,905	96,520	86,332	70,233	2,985	2,756
Fall River, Mass.	57,627	61,668	50,260	54,603	7,637	8,221	25,345	26,780	24,391	26,463	174	181
Grand Rapids, Mich.	55,639	57,032	42,470	45,095	19,960	20,817	19,967	22,800	15,240	13,093	347	318
Indianapolis, Ind.	116,699	117,541	83,523	85,641	74,209	76,384	19,675	21,745	11,334	8,433	10,803	11,013
Jersey City, N. J.	137,451	130,322	104,027	102,406	37,937	36,924	53,802	55,201	44,436	35,241	3,029	2,940
Kansas City, Mo.	126,414	121,967	82,729	81,023	77,891	75,856	22,132	23,509	14,426	10,901	11,881	11,651
Los Angeles, Cal.	162,699	156,529	50,519	51,960	84,881	85,086	35,446	39,310	33,275	27,309	3,682	3,917
Louisville, Ky.	198,548	115,880	99,531	105,039	55,978	57,865	24,388	28,023	8,868	8,568	19,662	20,920
Lowell, Mass.	51,525	54,769	44,949	50,030	9,767	10,336	20,208	21,734	21,434	22,023	62	71
Memphis, Tenn.	66,270	64,835	52,284	50,036	31,210	28,775	5,903	6,235	3,853	2,614	25,259	27,182
Milwaukee, Wis.	189,488	184,369	140,536	144,779	39,021	39,502	87,348	95,182	62,579	48,877	478	502
Minneapolis, Minn.	157,345	144,063	103,122	99,506	50,676	45,510	56,026	60,522	49,017	36,921	1,499	1,093
Nashville, Tenn.	52,155	58,209	38,356	42,509	31,054	32,633	3,287	3,864	1,577	1,416	16,229	20,294
New Haven, Conn.	66,695	66,910	53,842	54,185	18,385	19,368	23,991	25,443	22,541	20,243	1,711	1,850
New Orleans, La.	163,239	175,836	136,063	151,036	72,859	74,614	34,423	39,821	14,634	13,052	40,946	48,316
New York, N. Y.	2,382,482	2,384,401	1,705,705	1,731,497	456,111	465,267	896,781	920,360	987,052	939,751	42,143	49,566
Manhattan Borough.	1,166,659	1,164,883	918,259	931,834	171,437	172,914	401,134	416,774	561,081	542,338	28,024	32,510
Bronx Borough.	277,120	213,890	101,756	98,751	46,431	36,138	90,631	94,515	77,948	70,887	1,911	2,206
Brooklyn Borough.	869,791	824,560	673,735	642,819	183,324	192,214	323,987	339,082	269,614	273,713	10,245	12,483
Queens Borough.	144,205	139,836	77,617	75,452	40,430	40,117	64,851	61,115	42,338	36,779	1,440	1,758
Richmond Borough.	44,707	41,262	34,410	32,611	14,489	13,744	16,265	15,970	13,373	10,505	583	629
Newark, N. J.	173,389	174,080	121,027	125,043	46,420	45,761	64,146	68,204	58,114	52,541	4,477	4,988
Oakland, Cal.	78,222	71,952	32,921	34,639	27,592	27,606	24,904	26,032	20,854	15,968	1,614	1,441
Omaha, Neb.	64,802	59,294	54,043	48,462	27,578	25,339	19,683	19,112	15,081	11,987	2,379	2,047
Paterson, N. J.	62,439	63,161	51,839	53,282	13,775	14,617	24,401	25,778	23,468	21,930	710	828
Philadelphia, Pa.	709,463	788,545	634,485	669,212	284,690	299,318	241,243	255,542	195,964	188,384	39,431	45,028
Pittsburgh, Pa.	273,589	290,316	232,313	219,199	87,002	88,487	93,353	98,139	79,024	61,412	13,351	12,272
Portland, Ore.	118,508	88,346	55,128	37,298	46,567	46,567	26,132	24,877	27,724	16,656	698	437
Providence, R. I.	110,288	114,038	85,072	90,525	28,933	31,033	29,727	42,627	38,768	37,535	2,577	2,639
Richmond, Va.	69,915	66,723	39,936	45,114	33,429	35,701	3,703	3,961	2,287	1,798	21,472	25,261
Rochester, N. Y.	108,352	109,797	77,520	85,088	36,779	37,746	39,864	43,823	31,241	27,752	424	455
St. Louis, Mo.	346,065	340,961	288,197	287,041	134,850	134,986	118,245	128,701	70,297	55,409	22,168	21,792
St. Paul, Minn.	111,809	102,935	84,405	78,669	32,522	29,672	45,782	47,616	31,532	24,992	1,904	1,240
San Francisco, Cal.	236,901	190,011	184,866	157,916	64,527	50,832	77,307	76,474	80,995	49,879	1,025	617
Scranton, Pa.	65,391	64,275	51,216	50,810	19,051	19,694	26,565	28,806	19,691	15,551	305	292
Seattle, Wash.	136,713	109,421	91,521	29,150	39,097	46,777	31,178	29,856	39,073	21,757	1,394	802
Spokane, Wash.	57,513	46,889	21,167	15,681	29,226	25,348	13,939	13,338	13,044	7,816	391	332
Syracuse, N. Y.	68,806	68,443	52,538	55,816	28,958	29,459	22,259	24,633	16,993	13,788	579	545
Toledo, Ohio.	84,601	85,806	65,044	66,218	37,392	37,735	28,822	30,361	17,491	14,546	957	940
Washington, D. C.	158,059	173,019	132,004	146,714	80,507	86,214	21,577	23,489	12,017	11,434	42,615	51,831
Worcester, Mass.	73,424	72,562	59,082	59,339	20,205	21,216	26,626	28,125	25,948	22,544	570	671

Includes population of Allegheny for 1900.

## MALES AND FEMALES IN THE POPULATION OF CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910.

CITY.	Male.		Female.	Males to 100 females.	CITY.	Male.		Female.	Males to 100 females.
	Male.	Female.				Male.	Female.		
Alabama					Connecticut				
Mobile.	24,317	27,204	89.4		Hartford.	49,211	49,704	99.0	
Montgomery.	17,805	20,331	87.6		Meriden town.	16,143	15,923	101.1	
Arkansas					Middletown.	14,717	15,548	104.2	
Little Rock.	23,035	22,906	100.6		New Britain.	23,212	20,704	112.1	
California					Norwich town.	13,567	14,652	92.6	
Berkeley.	19,518	20,016	93.3		Stamford town.	14,327	14,309	101.5	
Pasadena.	13,684	16,617	82.1		Stromford city.	16,535	15,600	107.1	
Sacramento.	25,332	19,364	130.8		Waterbury.	38,015	35,123	108.2	
San Diego.	20,736	18,852	109.9		Delaware				
San Jose.	14,399	14,547	99.0		Wilmington.	43,938	43,473	101.1	
Colorado					Florida				
Colorado Springs.	14,042	15,036	93.4		Jacksonville.	29,340	28,359	103.5	
Pueblo.	24,855	19,540	127.2		Tampa.	19,554	18,228	107.3	

# CLASSIFICATION OF POPULATION BY SEX.

105

MALES AND FEMALES IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910—Continued.

Table 30—Contd.

CITY.	Male.	Female.	Males to 100 females.	CITY.	Male.	Female.	Males to 100 females.
<b>Georgia</b>				<b>New Jersey—Continued.</b>			
Augusta.....	19,237	21,803	88.2	Perth Amboy.....	17,339	14,792	117.6
Macon.....	19,513	21,132	92.3	Trenton.....	50,231	46,884	107.8
Savannah.....	31,081	33,983	91.5	West Hoboken town.....	17,638	17,745	99.5
<b>Illinois</b>				<b>New York</b>			
Aurora.....	15,118	14,689	102.9	Amsterdam.....	15,279	15,788	95.6
Bloomington.....	12,321	13,417	91.6	Auburn.....	17,587	17,081	103.0
Danville.....	13,721	14,130	97.0	Binghanton.....	23,105	25,338	91.2
Decatur.....	15,443	15,607	98.4	Elmira.....	18,553	18,623	99.6
East St. Louis.....	31,363	26,134	123.6	Jamestown.....	15,950	15,447	104.0
Joliet.....	12,249	13,886	88.8	Kingston.....	12,250	13,658	89.7
Peoria.....	18,417	16,253	113.3	Mount Vernon.....	14,844	16,075	92.3
Quincy.....	34,362	32,588	105.4	New Rochelle.....	14,686	14,181	103.6
Rockford.....	17,879	18,708	95.6	Newburgh.....	13,435	14,370	93.5
Springfield.....	23,925	22,669	105.4	Niagara Falls.....	19,086	14,359	112.0
<b>Indiana</b>				Poughkeepsie.....	13,378	14,358	91.9
Evansville.....	34,429	35,218	97.8	Schenectady.....	38,821	34,065	114.2
Fort Wayne.....	31,433	32,500	96.7	Troy.....	35,387	32,126	110.4
South Bend.....	27,531	26,053	105.7	Watertown.....	13,066	13,694	95.6
Terre Haute.....	29,287	28,870	101.4	Yonkers.....	40,103	39,700	101.0
<b>Iowa</b>				<b>North Carolina</b>			
Cedar Rapids.....	16,300	16,511	98.7	Charlotte.....	16,275	17,739	91.7
Clinton.....	13,067	12,510	104.5	Wilmington.....	12,282	18,466	91.2
Council Bluffs.....	15,154	14,138	107.2	<b>Ohio</b>			
Davenport.....	21,539	21,408	100.1	Akron.....	36,604	32,463	112.8
Des Moines.....	43,135	43,233	99.8	Canton.....	26,110	24,107	108.3
Dubuque.....	18,977	19,517	97.2	Hamilton.....	17,825	17,434	102.1
Sioux City.....	25,718	22,110	116.3	Lima.....	13,419	13,919	96.5
Waterloo.....	13,775	12,918	106.6	Lorain.....	16,291	12,622	128.8
<b>Kansas</b>				Newark.....	12,988	12,416	104.6
Kansas City.....	42,773	39,558	108.1	Springfield.....	24,808	23,083	103.3
Topeka.....	21,710	21,974	98.8	Uniontown.....	45,649	42,510	108.5
Wichita.....	26,964	25,486	105.8	Zanesville.....	13,550	14,476	93.6
<b>Kentucky</b>				<b>Oklahoma</b>			
Covington.....	25,628	27,642	92.7	Muskogee.....	13,398	11,880	112.8
Lexington.....	16,829	18,270	92.1	Oklahoma City.....	35,742	28,463	125.6
Newport.....	14,674	15,635	93.9	<b>Pennsylvania</b>			
<b>Louisiana</b>				Allentown.....	25,068	26,815	93.6
Shreveport.....	13,760	14,255	96.5	Altoona.....	26,164	25,243	100.5
<b>Maine</b>				Chester.....	19,765	18,769	105.3
Lewiston.....	12,529	13,718	91.3	Easton.....	13,823	14,700	94.0
Portland.....	27,956	30,615	91.3	Erie.....	33,515	33,010	101.5
<b>Massachusetts</b>				Harrisburg.....	31,183	33,093	94.5
Brockton.....	28,293	28,565	99.0	Hazleton.....	12,695	12,757	99.5
Brockton town.....	11,028	10,734	102.9	Johnstown.....	30,340	24,542	126.1
Chelsea.....	16,709	15,743	106.1	Lancaster.....	22,098	25,129	87.3
Chicopee.....	12,756	12,665	100.6	McKeesport.....	22,510	20,114	111.3
Everett.....	16,313	17,171	95.0	New Castle.....	19,134	17,146	111.6
Fitchburg.....	15,062	15,062	98.4	Norristown borough.....	13,255	14,617	90.7
Haverhill.....	21,607	22,508	96.0	Reading.....	47,576	48,405	98.1
Holyoke.....	27,671	30,039	92.1	Shenandoah borough.....	14,855	13,253	112.3
Lawrence.....	42,859	45,034	95.1	Wilkes-Barre.....	38,589	33,246	101.8
Lynn.....	48,985	44,791	109.6	Williamsport.....	14,932	16,928	88.2
Malden.....	20,937	24,477	88.1	York.....	21,569	22,881	95.6
New Bedford.....	47,531	48,921	97.6	<b>Rhode Island</b>			
Newton.....	17,801	22,065	80.9	Newport.....	14,784	12,265	119.6
Pittsfield.....	16,139	15,091	106.9	Pawtucket.....	25,351	20,271	125.0
Quincy.....	18,454	16,188	101.6	Warwick town.....	13,182	13,447	98.0
Salem.....	21,291	22,406	95.0	Woonsocket.....	18,732	19,353	96.6
Somerville.....	36,728	40,608	90.2	<b>South Carolina</b>			
Springfield.....	47,921	48,745	94.6	Charleston.....	27,334	31,499	86.8
Taunton.....	16,722	17,337	95.4	Columbia.....	12,616	13,703	92.1
Waltham.....	12,949	14,885	87.0	<b>Tennessee</b>			
<b>Michigan</b>				Chattanooga.....	22,429	22,175	101.1
Battle Creek.....	12,374	12,893	96.0	Knoxville.....	17,621	18,725	94.1
Bay City.....	22,505	22,601	99.3	<b>Texas</b>			
Flint.....	21,779	16,771	129.9	Austin.....	14,390	15,470	93.0
Jackson.....	15,854	15,579	101.8	Dallas.....	46,199	45,635	101.2
Kalamazoo.....	19,197	20,240	94.8	El Paso.....	22,339	22,333	100.9
Lansing.....	36,801	14,428	116.4	Fort Worth.....	39,007	34,305	113.7
Saginaw.....	24,850	25,660	96.8	Galveston.....	19,886	17,585	112.0
<b>Minnesota</b>				Houston.....	40,126	38,674	103.8
Duluth.....	44,866	33,000	133.5	San Antonio.....	17,885	18,749	95.2
<b>Missouri</b>				Waco.....	12,861	13,564	94.8
Joplin.....	16,231	15,842	102.5	<b>Utah</b>			
St. Joseph.....	39,695	37,738	105.1	Ogden.....	13,334	12,246	108.9
Springfield.....	17,401	17,800	97.8	Salt Lake City.....	47,583	45,194	105.3
<b>Montana</b>				<b>Virginia</b>			
Butte.....	22,314	16,851	132.4	Lynchburg.....	13,775	15,719	87.6
<b>Nebraska</b>				Norfolk.....	32,907	34,585	95.0
Lincoln.....	21,870	22,103	98.9	Portsmouth.....	17,639	15,581	113.0
South Omaha.....	14,561	11,698	124.5	Roanoke.....	17,314	17,360	100.9
<b>New Hampshire</b>				<b>Washington</b>			
Manchester.....	34,148	35,915	95.1	Tacoma.....	47,488	36,255	131.0
Nashua.....	13,016	12,989	100.2	<b>West Virginia</b>			
<b>New Jersey</b>				Huntington.....	16,020	15,141	105.5
Atlantic City.....	22,997	23,153	99.3	Wheeling.....	20,583	21,038	97.7
Bayonne.....	29,527	26,018	113.5	<b>Wisconsin</b>			
Camden.....	47,396	47,112	100.5	Green Bay.....	12,253	12,983	94.4
East Orange.....	15,287	19,084	80.1	La Crosse.....	14,649	15,768	92.6
Elizabeth.....	38,971	35,458	109.9	Madison.....	12,282	13,298	92.7
Hoboken.....	38,675	33,649	109.0	Oshkosh.....	16,199	16,866	96.0
Orange.....	14,406	15,104	95.4	Racine.....	20,031	17,671	111.5
Passaic.....	26,549	28,224	94.1	Sheboygan.....	13,711	12,657	108.1
				Superior.....	23,415	16,969	138.0

## MALES TO 100 FEMALES IN THE POPULATION OF CITIES OF 100,000 INHABITANTS OR MORE: 1910.

CITY.	TOTAL POPULATION.		NATIVE WHITE: 1910		Foreign-born white: 1910	Negro: 1910	CITY.	TOTAL POPULATION.		NATIVE WHITE: 1910		Foreign-born white: 1910	Negro: 1910
	1910	1900	Native parent-age.	Foreign or mixed parent-age.				1910	1900	Native parent-age.	Foreign or mixed parent-age.		
Albany, N. Y.	92.9	91.7	93.3	89.4	98.9	92.0	New Haven, Conn.	99.7	99.4	94.8	94.3	111.4	92.5
Atlanta, Ga.	92.7	85.3	97.8	91.0	150.4	81.0	New Orleans, La.	92.8	90.1	97.6	86.4	112.1	84.7
Baltimore, Md.	92.4	91.6	92.6	91.6	100.6	85.5	New York, N. Y.	99.9	98.5	98.0	95.8	105.1	85.0
Birmingham, Ala.	102.8	104.5	105.3	101.3	145.8	96.3	Manhattan Borough.	100.2	98.5	99.1	95.3	105.6	86.2
Boston, Mass.	96.7	96.1	96.1	97.1	95.8	96.6	Brooklyn Borough.	101.6	103.0	100.6	96.9	109.8	86.6
Bridgeport, Conn.	106.1	99.3	102.2	95.2	122.3	97.3	Queens Borough.	103.1	102.8	100.6	97.9	115.1	81.9
Buffalo, N. Y.	100.6	98.6	100.2	93.5	112.8	111.1	Richmond Borough.	108.3	105.6	105.3	101.8	122.6	83.1
Cambridge, Mass.	91.7	93.8	88.8	94.8	90.2	89.8	Newark, N. J.	99.6	96.8	96.1	94.1	110.6	89.6
Chicago, Ill.	106.3	103.4	103.8	95.8	121.1	105.9	Oakland, Cal.	108.7	96.7	99.9	91.8	130.6	112.0
Cincinnati, Ohio.	95.4	95.1	97.9	87.5	105.9	101.8	Omaha, Nebr.	109.3	111.6	108.8	98.8	125.8	116.2
Cleveland, Ohio.	106.6	101.8	101.6	95.6	124.6	105.7	Pulerson, N. J.	98.9	97.4	94.2	94.7	107.0	85.6
Columbus, Ohio.	101.5	101.7	99.7	96.5	135.6	113.9	Philadelphia, Pa.	96.4	96.2	95.1	94.4	102.9	87.6
Dayton, Ohio.	101.9	97.6	96.9	89.1	144.0	104.6	Pittsburgh, Pa.	105.1	106.0	99.0	95.1	128.7	108.8
Denver, Colo.	101.3	99.0	100.2	93.3	115.8	95.6	Portland, Oreg.	134.5	142.4	123.7	105.0	172.7	139.1
Detroit, Mich.	106.6	95.1	105.4	95.4	122.9	105.3	Providence, R. I.	96.7	94.0	93.2	93.2	103.3	94.1
Fall River, Mass.	93.4	92.0	92.9	94.6	92.1	90.1	Richmond, Va.	91.3	88.5	93.6	93.5	127.2	85.0
Grand Rapids, Mich.	97.4	94.2	95.9	87.6	116.4	109.1	Rochester, N. Y.	98.7	91.1	97.4	91.0	112.6	93.2
Indianapolis, Ind.	98.7	97.5	97.2	90.5	131.4	98.1	St. Louis, Mo.	101.5	100.4	99.9	91.9	126.9	101.7
Jersey City, N. J.	105.5	101.6	102.7	97.6	120.5	102.7	St. Paul, Minn.	108.6	107.3	111.9	96.1	125.2	153.5
Kansas City, Mo.	103.6	102.1	105.6	94.2	132.3	101.7	San Francisco, Cal.	131.6	117.1	126.9	101.1	162.4	166.1
Los Angeles, Cal.	103.9	97.2	99.8	90.2	121.8	94.0	Saratoga, Pa.	102.0	100.8	96.7	92.0	127.2	116.4
Louisville, Ky.	94.1	94.6	96.2	87.0	103.5	93.7	Seattle, Wash.	136.2	176.7	126.1	104.1	179.6	154.5
Lowell, Mass.	94.1	83.9	83.0	97.3	97.3	91.0	Spokane, Wash.	122.7	135.0	115.3	104.5	171.1	117.8
Memphis, Tenn.	102.2	104.5	108.5	94.7	147.4	92.9	Syracuse, N. Y.	100.5	94.1	98.3	90.3	123.2	106.2
Milwaukee, Wis.	102.8	97.1	98.0	91.8	128.0	93.2	Toledo, Ohio.	101.1	99.1	99.0	94.3	120.2	99.7
Minneapolis, Minn.	109.2	103.5	111.4	92.6	138.3	137.1	Washington, D. C.	91.3	96.0	93.4	94.9	113.0	82.2
Nashville, Tenn.	89.6	90.2	95.2	85.1	111.4	80.0	Worcester, Mass.	101.2	99.6	95.2	94.7	115.1	84.9

<sup>1</sup> Ratio not shown, the number of females being less than 100.<sup>2</sup> Includes population of Allegheny for 1900.

## POPULATION 21 YEARS OF AGE AND OVER.

## ALL PERSONS 21 YEARS OF AGE AND OVER.

**General summary: 1910.**—Persons 21 years of age and over have certain special legal rights with reference to property, the elective franchise, and other matters. This class of the population is further significant from the social and economic standpoint, in that it includes the great majority of breadwinners and also the great majority of married men and women. From the political standpoint particular interest attaches to statistics regarding males 21 years of age and over, although in several states women of that age also now have the right to vote at all elections.

For the United States, exclusive of Alaska, Hawaii, Porto Rico, and other outlying possessions, the total population 21 years of age and over in 1910 was 51,554,905, representing 56.1 per cent of the total population of all ages.

This total includes 26,999,151 males and 24,555,754 females, the number of males being 10 per cent greater than the number of females. Table 32, showing the number of each sex in 1910 for each of the principal classes of population, discloses an excess of males in each specified class except that made up of native whites of foreign or mixed parentage. Of a total excess of males amounting to 2,443,397, the foreign-born whites contributed 1,639,709.

As regards color or race, nativity, and parentage, the composition of the female population 21 years of age and over differs from that of the male in having smaller percentages of foreign-born whites, Chinese, and

Japanese, and larger percentages of the other race and nativity classes, these differences being attributable mainly to the fact, previously noted, that immigrants include many more males than females. Thus 20.4 per cent of the adult female population in 1910 were foreign-born whites, as compared with 24.6 per cent of the male, while 69.4 per cent of the former and 65.6 per cent of the latter were native whites and 9.9 and 9.1 per cent, respectively, were negroes.

CLASS OF POPULATION.	MALES 21 YEARS OF AGE AND OVER.		FEMALES 21 YEARS OF AGE AND OVER.		Males to 100 females.
	Number.	Percent of total.	Number.	Percent of total.	
Total.	26,999,151	100.0	24,555,754	100.0	110.0
Native white—Native parentage	13,211,731	48.9	12,484,481	50.8	105.8
Native white—Foreign or mixed parentage.	4,498,966	16.7	4,567,647	18.6	96.5
Foreign-born white.	3,648,817	24.6	5,007,108	20.4	132.7
Negro.	2,458,873	9.1	2,427,742	9.9	101.3
Indian.	62,967	0.2	60,169	0.2	104.7
Chinese, Japanese, and all other.	119,797	0.4	8,607	(1)	1,391.9

<sup>1</sup> Less than one-tenth of 1 per cent.

**Sex ratios, by divisions and states.**—Table 33 gives, for 1910 and 1900, the total number of each sex, and also the number of males to 100 females, in the population 21 years of age and over, by geographic divisions and states.

Considered by geographic divisions, the number of men to 100 women in 1910 ranged from 98.8 in New England—the only division in which women outnumbered men—to 144.9 in the Pacific division and 148.6

in the Mountain division. The ratios for the divisions last named were exceptionally high, the highest ratio elsewhere being 116.2 to 100 for the West North Central division.

Table 33

DIVISION OR STATE.	POPULATION 21 YEARS OF AGE AND OVER.					
	1910			1900		
	Male.	Female.	Males to 100 females.	Male.	Female.	Males to 100 females.
United States.....	28,959,151	24,555,754	110.0	21,134,299	19,647,708	107.6
<b>GEOGRAPHIC DIVISIONS:</b>						
New England.....	2,019,096	2,043,998	98.8	1,707,955	1,762,289	96.9
Middle Atlantic.....	5,920,501	5,608,188	105.6	4,557,812	4,465,941	102.1
East North Central.....	5,604,500	5,133,680	109.2	4,624,078	4,294,362	107.7
West North Central.....	3,493,637	3,065,774	116.2	2,921,551	2,501,239	116.8
South Atlantic.....	3,071,528	3,007,118	102.1	2,496,785	2,499,908	99.9
East South Central.....	2,096,186	2,037,064	102.9	1,794,415	1,752,742	102.4
West South Central.....	2,261,206	1,987,760	113.8	1,584,099	1,397,960	113.3
Mountain.....	915,558	614,736	148.6	583,499	372,124	157.1
Pacific.....	1,618,879	1,117,436	144.9	884,105	601,653	141.4
<b>NEW ENGLAND:</b>						
Maine.....	235,727	225,736	104.4	217,663	211,960	102.7
New Hampshire.....	136,668	135,372	101.0	130,987	131,453	99.6
Vermont.....	113,508	106,853	106.2	108,356	103,819	104.4
Massachusetts.....	1,021,609	1,074,435	95.1	843,465	902,534	93.5
Rhode Island.....	163,834	166,391	98.5	127,141	133,314	95.4
Connecticut.....	347,092	335,131	103.7	286,340	279,187	100.4
<b>MIDDLE ATLANTIC:</b>						
New York.....	2,836,773	2,757,521	102.9	2,184,965	2,193,675	99.6
New Jersey.....	774,702	736,659	105.2	555,008	548,092	101.3
Pennsylvania.....	2,309,426	2,114,008	109.2	1,817,239	1,723,574	105.4
<b>EAST NORTH CENTRAL:</b>						
Ohio.....	1,484,265	1,398,341	106.1	1,212,223	1,175,167	103.2
Indiana.....	822,434	770,658	106.7	720,206	677,572	106.3
Illinois.....	1,743,182	1,567,491	111.2	1,401,456	1,280,144	109.5
Michigan.....	870,876	786,033	110.8	719,478	650,571	110.6
Wisconsin.....	683,743	611,157	111.9	570,715	510,998	111.7
<b>WEST NORTH CENTRAL:</b>						
Minnesota.....	642,669	512,411	125.4	508,794	403,320	125.7
Iowa.....	663,672	603,644	109.9	635,298	565,203	112.4
Missouri.....	973,062	896,152	108.6	856,684	780,687	109.7
North Dakota.....	173,890	122,406	142.1	95,217	63,357	150.3
South Dakota.....	178,189	134,187	132.8	112,681	86,570	130.2
Nebraska.....	353,626	298,040	118.7	301,091	245,075	122.9
Kansas.....	508,529	438,934	115.9	413,786	357,027	115.9
<b>SOUTH ATLANTIC:</b>						
Delaware.....	61,887	58,442	105.9	54,018	51,286	105.3
Maryland.....	367,908	373,819	98.4	321,903	328,531	98.0
District of Columbia.....	103,761	116,148	89.3	83,823	94,454	88.7
Virginia.....	523,532	518,473	101.0	477,815	452,543	99.0
West Virginia.....	338,349	284,969	118.7	247,970	218,894	113.3
North Carolina.....	506,134	519,475	97.4	417,582	438,094	95.2
South Carolina.....	335,046	343,958	97.4	283,325	292,567	96.8
Georgia.....	620,616	613,149	101.2	500,752	504,381	99.3
Florida.....	214,195	178,685	119.9	139,601	118,648	117.7
<b>EAST SOUTH CENTRAL:</b>						
Kentucky.....	603,454	579,756	104.1	543,990	520,921	104.4
Tennessee.....	552,668	542,408	101.9	497,380	477,892	102.0
Alabama.....	513,111	501,959	102.2	413,862	414,313	99.9
Mississippi.....	426,953	412,941	103.4	349,177	339,616	102.8
<b>WEST SOUTH CENTRAL:</b>						
Arkansas.....	395,824	351,994	112.5	313,836	278,542	112.7
Louisiana.....	414,919	393,949	105.3	325,943	318,065	102.5
Oklahoma.....	477,266	356,199	134.0	206,552	158,543	130.3
Texas.....	1,003,357	884,218	113.5	737,768	642,866	114.8
<b>MOUNTAIN:</b>						
Montana.....	155,017	81,741	189.6	101,931	45,548	210.0
Idaho.....	110,603	69,818	158.8	53,932	31,310	172.2
Wyoming.....	103,201	28,840	216.1	37,808	16,019	238.1
Colorado.....	271,648	213,425	127.3	185,708	136,462	136.1
New Mexico.....	94,637	73,152	129.4	55,067	43,304	127.2
Arizona.....	74,653	45,891	164.7	44,081	25,197	174.9
Utah.....	104,115	85,728	121.4	67,172	61,212	109.7
Nevada.....	40,026	18,140	220.7	17,710	9,472	187.0
<b>PACIFIC:</b>						
Washington.....	441,294	577,727	158.9	195,572	111,043	176.1
Oregon.....	257,188	168,323	153.8	144,446	95,062	151.9
California.....	120,397	671,386	137.1	544,087	394,945	137.8

<sup>1</sup> Includes population of Indian Territory for 1900.

Massachusetts, Rhode Island, Maryland, North Carolina, and South Carolina were the only states in 1910 in which women outnumbered men. The District of Columbia, however, showed a larger proportion of women than any of the states.

There were two states, Nevada and Wyoming, in which men outnumbered women by more than 2 to 1

and five other states in which there were more than 150 men to every 100 women. These states are all in the Mountain and Pacific divisions.

In a majority of the states, as indicated by the sex ratios, as well as in the United States as a whole, the number of men increased between 1900 and 1910 faster than the number of women. For the United States the number of men to every 100 women increased from 107.6 in 1900 to 110 in 1910. The states in which the ratio increased include all those east of the Mississippi River except Kentucky and Tennessee, but only six states west of that river.

# MALES 21 YEARS OF AGE AND OVER.

United States as a whole.—Table 34 shows, for 1910 and 1900, the number of males 21 years of age and over by color or race, nativity, and parentage groups, in comparison with the corresponding groups of the total population.

Table 34

CLASS OF POPULATION.	MALES 21 YEARS OF AGE AND OVER.					
	TOTAL POPULATION.		Number.			
	1910	1900	1910	1900	1910	1900
<b>Total.....</b>	<b>91,972,266</b>	<b>75,994,575</b>	<b>26,999,151</b>	<b>21,134,299</b>	<b>29.4</b>	<b>27.6</b>
White.....	81,731,957	66,809,196	24,357,514	18,918,697	29.8	28.3
Negro.....	9,827,753	8,835,994	2,458,873	2,080,302	25.0	23.3
Indian.....	265,633	237,196	62,967	57,077	23.7	24.1
Chinese.....	71,531	89,863	60,421	81,018	84.5	90.2
Japanese.....	72,157	24,326	56,638	17,265	78.5	70.7
All other.....	8,175	—	2,738	—	86.2	—
<b>Native white.....</b>	<b>68,356,412</b>	<b>56,595,379</b>	<b>17,710,697</b>	<b>14,014,427</b>	<b>25.9</b>	<b>24.8</b>
Native parentage.....	49,488,575	40,943,362	13,211,731	10,569,743	26.7	25.8
Foreign par.....	19,116,311	10,632,290	3,215,082	2,335,751	24.9	23.8
Mixed parentage.....	5,981,526	5,013,737	1,283,884	908,933	21.5	18.1
Foreign-born white.....	13,345,545	10,213,817	6,646,817	4,904,270	49.8	48.0

In 1910 there were in the United States 26,999,151 men 21 years of age and over, constituting 29.4 per cent of the total population, as compared with 21,134,299, constituting 27.8 per cent of the population, in 1900. Men of 21 and over formed 57 per cent of the total male population in 1910 and 54.4 per cent in 1900.

It should not be assumed that these statistics show the number of men having the right to vote. Aside from the fact that the totals given include unnaturalized persons of foreign birth, there are in some of the states restrictions, chiefly based on property and education, which further limit the number of men 21 years of age and over who can vote.

In 1910 men of 21 and over constituted 29.8 per cent of the white population, as compared with 25 per cent of the negro. This difference is mainly due to the fact that many of the whites are foreign born, and the foreign born consist more largely of adults and of males than the natives. Nearly one-half (49.8 per cent) of the foreign-born white population in 1910 consisted of men 21 years of age and over, while of the native white population hardly more than one-fourth (25.9 per cent) were men of that age.

In each of the color or race, nativity, and parentage groups shown in Table 34 (except the relatively unimportant groups of Indians and Chinese) males of 21 and over constituted a larger proportion of the population in 1910 than in 1900. In the case of the foreign-born whites this change indicates a larger proportion of males among the immigrants than formerly. In the other classes it reflects a change in the age distribution of the population, the exact nature and cause of which can only be determined by a detailed study of the age statistics.

Table 35 shows the number of males 21 years of age and over in specified classes of the population in 1910 and 1900, with the citizenship of foreign-born whites, and the increase during the decade.

Table 35

MALES 21 YEARS OF AGE AND OVER.

CLASS OF POPULATION AND CITIZENSHIP.	1910	1900	INCREASE: 1900-1910		Per cent of total.	
			Number.	Per cent.	1910	1900
					(1910)	(1900)
<b>Total</b> .....	26,999,151	21,134,296	5,864,852	27.8	100.0	100.0
White.....	24,357,514	18,918,697	5,438,817	28.7	90.2	89.5
Negro.....	2,458,823	2,660,302	398,571	19.3	9.1	9.7
Indian.....	62,967	57,077	5,890	10.3	0.2	0.3
Chinese.....	60,421	81,018	-20,597	-25.4	0.2	0.4
Japanese.....	56,638	17,205	39,433	229.2	0.2	0.1
All other.....	2,738	.....	2,738	(*)	.....	.....
Native white.....	17,710,697	14,014,427	3,696,270	26.4	65.6	66.3
Native parentage..	13,211,731	10,569,743	2,641,988	25.0	48.9	50.0
Foreign parentage..	3,215,062	2,335,751	679,311	26.8	11.9	12.0
Mixed parentage..	1,283,884	908,933	374,951	41.3	4.8	4.3
Foreign-born white..	6,646,817	4,904,270	1,742,547	35.5	24.6	23.2
Naturalized.....	3,034,117	2,345,473	688,644	6.6	11.2	13.3
Having first papers..	570,752	411,898	158,854	38.6	2.1	1.9
Alien.....	2,266,535	914,917	1,351,618	147.7	8.4	4.3
Citizenship not reported.....	775,393	731,982	43,411	5.9	2.9	3.5

\* A minus sign (—) denotes decrease.  
\* Less than one-tenth of 1 per cent.

The number of males 21 and over increased 5,864,852, or 27.8 per cent, between 1900 and 1910. This is a much higher rate of increase than that in the total population, which was 21 per cent. Chiefly on account of the marked predominance of adult males among the foreign-born whites, the distribution of the total number of men of 21 and over among the several color or race, nativity, and parentage groups, as shown in the above table, differs considerably from the distribution of the total population among those groups, as shown in a preceding table (Table 1). Practically one-fourth (24.6 per cent) of the male population 21 years of age and over in 1910 were foreign-born whites, as compared with 14.5 per cent of the total population. Native whites of native parentage constituted 48.9 per cent of the total adult male population and 53.8 per cent of the total population. The corresponding percentages for native whites of foreign or mixed parentage were 16.7 and 20.5, respectively. The percentage of negroes in the male population of 21 and over was 9.1, as compared with 10.7 in the total population. The proportion of

foreign-born whites in the whole number of males 21 years of age and over was higher in 1910 than in 1900, while that of the two principal native white groups and of all colored races except the Japanese was lower.

Of the 6,646,817 foreign-born whites in 1910, 3,034,117, or 45.6 per cent, were returned as naturalized; in 1900 the percentage naturalized was 58. The naturalized foreign-born whites in 1910 constituted 11.2 per cent of the total male population 21 years of age and over. Those reported as aliens in 1910 numbered 2,266,535, or considerably more than twice the number so reported in 1900. It is probable that most of the considerable number of foreign-born whites whose condition as to citizenship was not reported were also aliens. The increase in the proportion of aliens reflects the fact that a larger proportion of the foreign-born whites in 1910 were recent arrivals than was the case in 1900.

**Divisions and states.**—Statistics regarding males 21 years of age and over, by divisions and states, are presented in Table 36 on a subsequent page. The relative importance of the principal color or race, nativity, and parentage classes in the adult male population is graphically shown in the diagram on the opposite page.

Marked differences appear among the divisions and states with respect to the proportion which men of 21 and over form of the total population. These differences are due to differences in the ratio of males to females (compare Tables 23, 25, and 26) or to differences in the age distribution of the population, or to both causes combined. States which receive large accessions to their population, either from foreign countries or from other parts of the United States, have in general a materially larger proportion of men of 21 and over in their population than the other states. Among the geographic divisions, the Pacific and the Mountain divisions showed the highest proportions in 1910 (38.6 per cent and 34.7 per cent, respectively). Very little difference appears among the four northern divisions, in each of which the proportion was practically three-tenths, while in each of the three divisions of the South the proportion was about one-fourth. In every division, and in fact in every state except New Hampshire, Montana, and Colorado, the proportion of males 21 years of age and over was higher in 1910 than in 1900.

In the three southern divisions, where there are comparatively few foreign born, the distribution of males 21 years of age and over among the several color or race, nativity, and parentage groups is not materially different from the corresponding distribution of the total population. (Compare percentages in the last ten columns of Table 36 with percentages in Table 14.) In the North and West, however, chiefly because



of the high proportion of adult males among the foreign-born whites, the distribution of the men of 21 and over among the several classes differs materially from the distribution of the total population. In the New England and Middle Atlantic divisions native whites of native parentage constituted in 1910 not more than two-fifths of the men of 21 and over and only slightly exceeded the foreign-born whites in number. Nearly three-fifths of the total number of men 21 years of age and over in these two divisions were either born abroad or had one or both parents born abroad. In the East North Central, West North Central, Mountain, and Pacific divisions, also, less than half the males of 21 and over were native whites of native parentage.

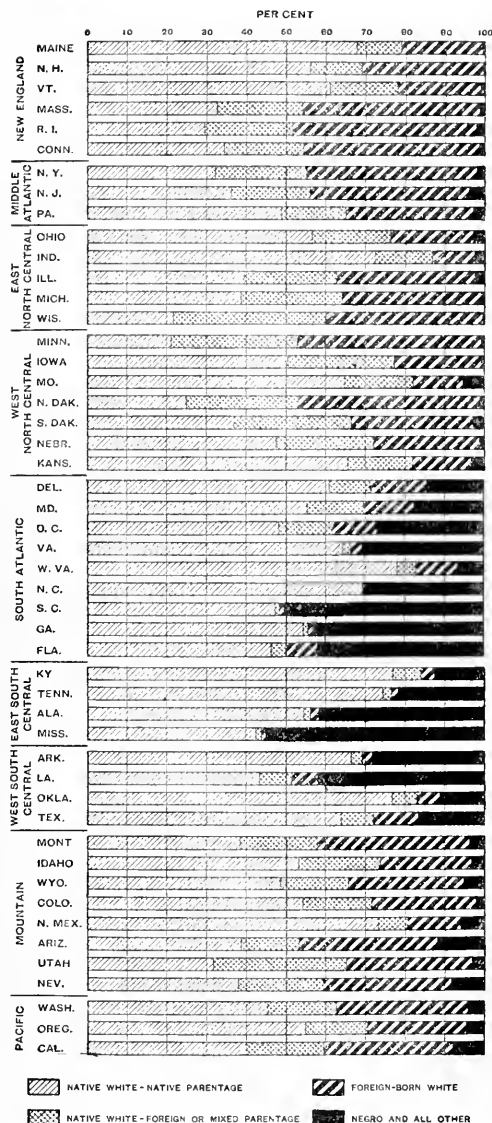
In Massachusetts, Rhode Island, New York, Wisconsin, Minnesota, North Dakota, and Utah less than one-third of the men of 21 and over in 1910 were native whites of native parentage. In each of the states just named except Utah, and also in Connecticut, New Jersey, Illinois, Michigan, Montana, Arizona, and Washington, more than one-third of the total number were foreign-born whites, the proportion in fact exceeding two-fifths in 7 out of the 13 states.

Taking the United States as a whole, the percentage of foreign-born whites in the total male population 21 years of age and over increased from 23.2 in 1900 to 24.6 in 1910. This, however, was the net result of diverse changes in different parts of the country, the changes in some sections being much more pronounced.

In all the New England and Middle Atlantic states there was an increase, and in most cases a marked increase, in the percentage of foreign-born whites in the total male population 21 years of age and over. In New York the percentage increased from 38 in 1900 to 43 in 1910; in Massachusetts, from 40.7 to 44.4; and in Pennsylvania, from 26.7 to 32.1. In three of the East North Central states—Ohio, Indiana, and Illinois—the percentage of foreign-born whites in this class of the population increased; in Michigan and Wisconsin, on the other hand, the percentage decreased. It decreased also in every West North Central state—from 58.3 to 45.8 in North Dakota, from 40.3 to 30.6 in South Dakota, and from 51.5 to 46.4 in Minnesota, the other states of the division showing less striking decreases. The percentage either remained practically stationary or decreased somewhat in every Mountain state except Arizona. In two of the Pacific states, Washington and Oregon, the percentage increased, while in California it declined slightly. In none of the Southern states were the changes in the percentage of foreign-born whites among males 21 years and

over very notable except in West Virginia, where the percentage increased from 5.2 in 1900 to 10.3 in 1910.

COLOR OR RACE, NATIVITY, AND PARENTAGE OF MALES 21 YEARS OF AGE AND OVER: 1910.



## MALES 21 YEARS OF AGE AND OVER,

[Per cent not shown where base is less than 100.]

Table 36	DIVISION AND STATE.	MALES 21 YEARS OF AGE AND OVER.																	
		Total.		Increase, 1900-1910		Per cent of total population.		White.			Negro.			Indian: 1910	Chinese: 1910	Japanese: 1910			
		1910	1900	Number.	Per cent.	1910	1900	1910	1900	Per cent of increase.	1910	1900	Per cent of increase.						
1	United States.....	26,992,151	21,134,299	5,857,852	27.8	29.4	27.8	24,357,514	18,918,697	28.7	2,458,873	2,060,302	19.3	62,967	60,421	58,638			
2	GEOGRAPHIC DIVISIONS:																		
3	New England.....	2,019,096	1,707,955	311,141	18.2	30.8	30.5	1,992,996	1,684,707	18.3	22,074	18,761	17.7	635	3,166	219			
4	Middle Atlantic.....	5,920,501	4,557,812	1,362,689	29.9	30.7	29.5	5,770,811	4,441,289	29.9	136,750	104,567	30.7	2,116	1,301	1,301			
5	East North Central.....	5,694,500	4,624,078	980,422	21.2	30.7	28.9	5,489,013	4,532,027	21.1	107,170	85,382	25.5	4,969	3,020	382			
6	West North Central.....	3,493,637	2,921,551	572,086	19.6	30.0	28.2	3,398,100	2,839,845	19.7	83,219	70,319	18.3	10,348	1,079	865			
7	South Atlantic.....	3,071,428	2,496,785	574,643	23.0	25.2	23.9	2,112,547	1,676,493	26.0	955,364	817,224	16.9	2,001	1,404	106			
8	East South Central.....	2,096,186	1,794,415	301,771	16.8	24.9	23.1	1,452,776	1,227,076	18.4	642,460	566,371	13.4	577	345	22			
9	West South Central.....	2,261,366	1,584,099	677,267	42.8	25.7	24.3	1,755,641	1,183,844	48.3	488,815	385,353	26.8	15,333	1,166	321			
10	Mountain.....	915,558	563,499	352,059	62.1	34.7	33.6	871,401	528,651	64.8	8,992	6,824	31.8	18,454	5,060	9,481			
11	Pacific.....	1,618,579	884,105	734,474	83.1	38.6	36.6	1,514,229	804,805	88.1	12,029	5,501	118.7	8,594	37,675	43,941			
12	NEW ENGLAND:																		
13	Maine.....	235,727	217,663	18,064	8.3	31.8	31.3	234,855	216,856	8.3	476	445	7.0	288	101	7			
14	New Hampshire.....	136,608	130,987	5,621	4.3	31.7	31.8	136,393	130,648	4.4	209	230	-13.0	11	63	1			
15	Vermont.....	113,596	108,355	5,241	4.8	31.9	31.5	112,513	108,027	4.2	975	289	237.4	9	8	1			
16	Massachusetts.....	1,021,659	843,465	178,204	21.1	30.3	30.1	1,006,431	830,049	21.2	12,591	10,546	20.4	207	2,310	124			
17	Rhode Island.....	163,834	127,144	36,690	28.9	30.2	29.7	160,412	124,001	29.2	3,067	2,765	10.9	74	253	28			
18	Connecticut.....	347,692	280,340	67,352	24.0	31.2	30.9	342,392	275,126	24.4	4,705	4,576	4.1	46	431	58			
19	MIDDLE ATLANTIC:																		
20	New York.....	2,836,773	2,184,965	651,808	29.8	31.1	30.1	2,783,371	2,145,057	29.8	45,877	31,425	46.0	1,706	4,817	987			
21	New Jersey.....	774,702	555,608	219,094	39.4	30.5	29.5	744,843	532,750	39.8	28,601	21,474	33.2	73	1,033	132			
22	Pennsylvania.....	2,309,026	1,817,239	491,787	27.1	30.1	28.8	2,245,597	1,763,482	27.2	64,272	51,668	24.4	357	1,656	162			
23	EAST NORTH CENTRAL:																		
24	Ohio.....	1,484,265	1,212,223	272,042	22.4	31.1	29.2	1,444,477	1,180,599	22.4	39,188	31,235	25.5	41	501	58			
25	Indiana.....	822,434	720,206	102,228	14.2	30.4	28.6	801,431	701,761	14.2	20,651	18,156	13.6	74	243	33			
26	Illinois.....	1,743,182	1,401,456	341,726	24.4	30.9	29.1	1,701,042	1,370,269	24.1	39,983	29,762	34.3	68	1,587	229			
27	Michigan.....	876,876	719,478	157,398	21.0	31.0	29.0	862,222	712,245	21.1	6,266	5,193	20.2	2,125	229	33			
28	Wisconsin.....	683,743	570,715	113,028	19.8	29.3	27.6	673,841	567,213	19.9	1,082	1,006	7.6	2,601	190	29			
29	WEST NORTH CENTRAL:																		
30	Minnesota.....	642,669	506,794	135,875	26.8	31.0	28.9	636,903	502,384	26.8	3,390	2,168	56.4	2,075	248	51			
31	Iowa.....	603,672	635,298	-32,626	-4.5	29.8	28.5	637,914	630,065	4.3	5,443	4,441	22.6	206	80	27			
32	Missouri.....	973,022	856,684	116,338	13.6	29.5	27.6	919,480	809,797	13.6	52,921	46,448	14.0	79	499	80			
33	North Dakota.....	173,890	95,217	78,673	82.6	30.1	29.8	171,941	93,237	84.4	311	115	170.4	1,551	35	52			
34	South Dakota.....	178,189	112,681	65,508	58.1	30.5	28.1	172,722	107,353	60.9	341	184	85.3	4,991	96	37			
35	Nebraska.....	353,626	301,091	52,535	17.4	29.7	28.2	348,915	297,817	17.2	3,225	2,298	40.0	835	108	527			
36	Kansas.....	598,529	413,786	184,743	22.9	30.1	28.1	490,225	393,552	23.0	17,588	14,695	19.7	612	13	91			
37	SOUTH ATLANTIC:																		
38	Delaware.....	61,887	54,018	7,869	14.6	30.6	29.2	52,804	45,992	15.8	9,050	8,374	8.1	.....	29	4			
39	Maryland.....	367,908	321,903	46,005	14.3	28.4	27.1	363,561	309,979	16.3	63,993	60,406	5.9	13	359	12			
40	District of Columbia.....	103,761	83,823	19,938	23.8	31.3	30.1	75,765	60,318	25.6	27,621	23,072	19.7	22	312	36			
41	Virginia.....	523,532	447,815	75,717	16.9	25.4	24.2	363,659	301,379	20.7	159,953	146,122	9.2	133	136	11			
42	West Virginia.....	338,349	247,970	90,379	36.4	27.7	25.9	315,498	234,129	35.3	22,757	14,786	53.5	8	84	2			
43	North Carolina.....	506,134	417,578	88,556	21.2	22.9	22.0	537,611	289,263	23.6	146,732	127,114	15.4	1,703	66	2			
44	South Carolina.....	335,046	235,325	100,721	42.8	22.1	21.1	188,769	130,575	27.1	169,155	152,860	10.7	71	49	2			
45	Georgia.....	620,616	500,752	119,864	23.9	23.8	22.6	583,569	277,496	27.4	266,814	223,073	19.6	24	206	3			
46	Florida.....	214,195	139,601	74,594	53.4	28.5	26.4	124,311	77,962	59.5	89,659	61,417	46.0	27	163	34			
47	EAST SOUTH CENTRAL:																		
48	Kentucky.....	603,454	543,996	59,458	10.9	26.4	25.3	527,661	469,206	12.5	75,694	74,728	1.3	43	42	9			
49	Tennessee.....	552,608	487,380	65,228	13.4	25.3	24.1	433,431	375,046	15.6	119,142	112,236	6.2	46	40	8			
50	Alabama.....	513,111	413,862	99,249	24.0	24.0	22.6	298,943	232,294	28.7	218,923	181,471	17.9	181	374	4			
51	Mississippi.....	426,563	349,177	77,386	22.3	23.8	22.5	192,741	150,530	28.0	233,701	197,696	18.1	302	206	1			
52	WEST SOUTH CENTRAL:																		
53	Arkansas.....	395,824	313,836	81,988	26.1	25.1	23.9	284,301	226,597	25.5	111,365	87,157	27.8	95	54	9			
54	Louisiana.....	414,919	325,943	88,976	27.3	25.0	23.6	240,001	177,878	34.9	174,211	147,348	18.2	154	441	25			
55	Oklahoma.....	447,266	266,552	180,714	116.5	27.0	26.1	395,377	179,408	120.4	36,841	13,973	163.7	14,880	129	39			
56	Texas.....	1,003,357	737,768	265,589	36.0	25.7	24.2	835,902	599,961	39.3	136,875	116,875	21.6	204	542	248			
57	MOUNTAIN:																		
58	Montana.....	155,017	101,931	53,086	52.1	41.2	41.9	148,733	94,873	56.8	851	711	19.7	2,766	1,168	1,486			
59	Idaho.....	110,863	53,932	56,931	105.6	34.0	33.3	107,469	50,328	113.5	328	130	152.3	1,039	811	1,306			
60	Wyoming.....	63,201	37,498	25,703	66.8	43.3	41.0	59,698	36,379	64.6	1,325	481	175.5	419	219	1,463			
61	Colorado.....	271,448	185,708	85,740	46.3	34.0	34.4	264,603	181,616	45.7	4,883	3,215	50.9	324	341	2,066			
62	New Mexico.....	94,637	55,067	39,570	71.9	28.9	28.2	88,733	50,804	74.7	644	775	-16.9	4,793	290	287			
63	Arizona.....	74,051	44,081	29,970	68.0	36.2	35.9	65,097	34,811	86.5	764	1,084	-29.5	6,701	1,166	323			
64	Utah.....	104,115	67,172	36,943	55.0	27.9	24.3	94,436	65,265	54.0	568	358	58.7	374	1,880	584			
65	Nevada.....	40,626	17,710	22,916	129.0	48.9	41.8	36,682	14,652	150.0	229	70	.....	1,527	801	782			
66	PACIFIC:																		
67	Washington.....	441,294	195,572	245,722	125.6	38.6	37.7	422,679	183,999	129.7	3,129	1,230	153.7	2,858	2,304	10,165			
68	Oregon.....	257,188	144,446	112,742	78.1	38.2	34.9	245,343	131,261	86.9	766	560	36.8	1,235	610	2,884			
69	California.....	920,397	544,087	376,310	69.2	38.7	36.6	846,207	489,545	72.9	8,143	3,711	119.4	4,501	28,661	30,942			

\*Includes population of Indian Territory for 1900.

BY DIVISIONS AND STATES: 1910 AND 1900.

A minus sign (—) denotes decrease.]

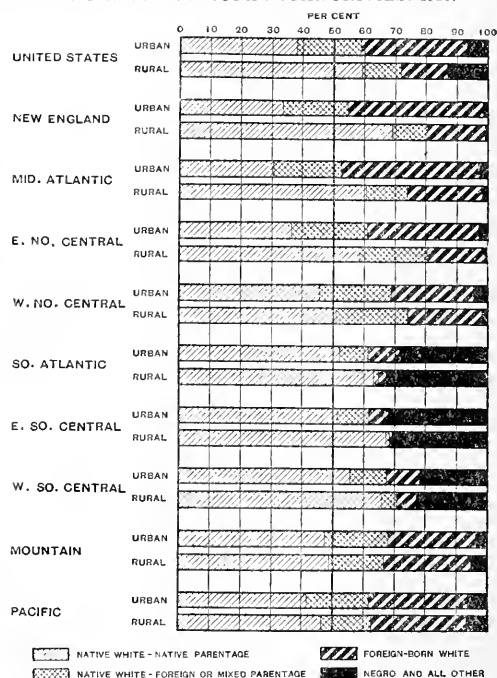
	MALES 21 YEARS OF AGE AND OVER.										PER CENT OF TOTAL.									
	Native white.					Foreign-born white.					Native white.					Foreign-born white.				
	Native parentage.			Foreign or mixed parentage.		1910			1900		White.		Negro.		Native parentage.		Foreign or mixed parentage.		Foreign-born white.	
	1910	1900	Per cent of increase.	1910	1900	Per cent of increase.	1910	1900	Per cent of increase.	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	
	13,211,731	10,569,743	25.0	4,498,966	3,444,684	30.6	6,646,817	4,904,270	35.5	90.2	89.5	9.1	9.7	48.9	50.0	16.7	16.3	24.6	23.2	
1	13,211,731	10,569,743	25.0	4,498,966	3,444,684	30.6	6,646,817	4,904,270	35.5	90.2	89.5	9.1	9.7	48.9	50.0	16.7	16.3	24.6	23.2	
2	808,405	788,221	2.6	357,744	298,663	29.8	796,847	597,823	33.3	98.7	98.6	1.1	1.1	40.0	46.1	19.2	17.5	39.5	33.0	
3	2,320,175	1,971,882	17.7	1,178,365	968,532	22.9	2,272,271	1,510,875	50.4	97.5	97.4	2.3	2.3	39.2	43.3	19.9	21.0	38.4	33.1	
4	2,613,162	2,207,411	18.4	1,302,508	1,039,999	25.2	1,573,343	1,284,617	22.5	97.9	98.0	1.9	1.8	46.6	47.7	23.2	22.5	28.1	27.8	
5	1,711,122	1,448,882	18.1	817,570	693,944	36.1	869,408	730,000	16.1	97.3	97.2	2.4	2.4	49.0	49.6	23.4	20.6	24.9	27.0	
6	1,841,213	1,466,882	25.5	129,669	105,484	14.4	150,665	104,183	44.6	68.8	67.1	31.1	32.7	59.9	58.7	3.9	4.2	4.9	4.2	
7	1,337,122	1,111,980	20.2	69,346	67,451	2.5	46,308	47,445	-2.4	69.3	68.4	30.6	31.6	63.8	62.0	3.3	3.8	2.2	2.6	
8	1,428,856	943,578	51.4	154,484	109,035	42.0	171,940	130,913	31.3	77.6	74.7	21.6	24.5	61.2	59.6	9.8	6.9	7.6	8.3	
9	442,848	237,507	71.9	171,016	106,192	61.0	257,537	164,802	56.2	95.4	93.8	1.0	1.2	4.5	4.5	18.7	18.8	28.2	29.3	
10	708,828	373,066	90.0	296,903	158,214	57.7	508,498	273,525	85.9	93.5	91.0	0.7	0.6	43.8	42.2	18.3	17.9	31.4	30.9	
11	159,769	157,377	1.5	26,622	20,964	27.0	48,464	38,515	25.8	99.6	99.6	0.2	0.2	67.8	72.3	11.3	9.6	29.6	17.7	
12	76,639	82,383	-7.0	17,798	13,496	31.9	41,956	34,769	20.7	99.8	99.7	0.1	0.2	56.1	62.9	13.0	10.3	30.7	26.5	
13	69,387	68,857	0.8	19,367	18,324	5.7	23,759	20,846	14.0	99.1	99.7	0.9	0.3	61.1	63.5	17.1	16.9	20.9	19.2	
14	334,346	320,943	4.2	218,484	165,584	31.9	453,601	345,522	32.0	98.5	98.4	1.2	1.2	32.7	38.1	21.4	19.5	44.4	40.7	
15	48,513	44,583	8.1	36,000	25,340	42.1	75,899	53,768	41.2	97.9	97.5	1.9	2.2	29.6	35.3	22.0	19.9	46.3	42.3	
16	119,751	113,768	5.3	69,473	54,955	26.4	153,168	106,403	44.0	98.5	98.1	1.4	1.6	34.4	40.6	22.0	19.6	44.1	38.0	
17	909,494	782,487	16.2	652,864	533,096	22.5	1,221,013	829,474	47.2	98.1	98.2	1.6	1.4	32.1	35.8	23.0	24.4	43.0	38.0	
18	281,269	224,644	25.2	153,926	111,508	30.9	309,648	196,598	57.5	96.1	95.9	3.7	3.9	36.3	40.4	19.9	20.1	40.0	35.4	
19	1,129,412	964,751	17.1	313,575	213,928	18.4	741,610	484,803	53.0	97.1	97.0	2.8	2.8	48.9	53.1	16.1	17.3	32.1	26.7	
20	841,556	697,966	20.6	294,443	256,955	14.6	308,478	225,688	36.7	97.3	97.4	2.6	2.6	56.7	57.6	19.8	21.2	20.8	18.6	
21	596,119	517,446	15.2	116,885	111,228	4.6	88,927	73,087	21.7	97.4	97.4	2.5	2.5	72.5	71.8	14.2	15.4	10.8	10.1	
22	689,200	586,773	17.5	407,318	316,313	28.5	604,524	467,123	29.4	97.6	97.8	2.2	2.1	39.5	41.9	23.4	22.5	34.7	33.3	
23	337,631	283,292	17.1	222,934	162,537	36.8	302,177	261,415	15.6	99.0	99.0	0.7	0.7	38.8	40.1	23.5	22.6	34.7	36.0	
24	148,636	116,943	27.1	261,968	192,966	35.8	269,237	257,304	4.6	99.4	99.4	0.2	0.2	21.7	20.5	38.3	33.8	39.4	45.1	
25	135,494	104,577	29.6	303,127	137,054	48.2	298,282	260,753	14.4	99.1	99.1	0.5	0.4	21.1	20.6	31.6	27.9	46.4	51.9	
26	333,621	321,513	3.8	177,413	151,246	17.3	146,801	127,906	14.0	99.1	99.3	0.8	0.7	50.3	50.6	26.7	23.8	22.1	24.9	
27	630,878	551,438	14.4	167,198	145,876	14.6	121,404	112,433	7.9	94.5	94.5	5.4	5.4	64.8	64.4	17.2	17.0	12.5	13.1	
28	43,588	19,777	119.2	48,862	17,902	172.9	79,721	55,558	43.5	98.9	97.9	0.2	0.1	24.9	20.8	28.1	18.6	45.3	38.3	
29	65,769	35,381	85.9	26,526	16,520	57.6	44,528	45,446	-20.0	96.9	95.3	0.2	0.2	36.9	31.4	29.4	23.5	30.6	40.3	
30	168,550	147,508	14.3	86,011	59,384	44.8	94,345	90,925	3.8	98.7	98.9	0.9	0.8	47.7	49.0	24.3	19.7	26.7	30.2	
31	333,443	268,688	24.1	82,534	62,926	31.2	74,248	66,938	10.9	96.4	96.3	3.5	3.6	65.6	64.9	16.2	15.2	14.6	16.2	
32	37,677	33,270	13.2	6,351	5,575	13.9	8,776	6,747	30.1	85.3	84.4	14.6	15.5	60.9	61.6	10.3	10.3	14.2	12.5	
33	203,284	172,003	18.2	52,304	46,965	11.4	47,973	42,011	14.2	82.5	81.1	17.4	18.8	55.3	53.4	14.2	14.6	13.0	13.1	
34	49,949	39,557	26.3	14,078	11,161	26.1	11,738	9,660	22.3	73.0	72.0	25.6	27.5	48.1	47.2	13.6	13.3	11.3	11.5	
35	338,668	280,881	20.4	10,679	9,413	13.4	14,862	11,083	34.3	69.5	67.3	30.5	32.6	64.6	62.7	2.0	2.1	2.8	2.5	
36	264,694	205,216	29.0	16,117	15,053	7.2	34,687	12,878	169.4	93.2	94.0	6.7	6.0	78.2	82.8	4.8	6.1	10.3	5.2	
37	352,032	284,601	23.7	2,283	2,211	3.3	3,296	2,451	34.5	70.7	69.3	29.0	30.4	69.6	68.2	0.5	0.5	0.7	0.6	
38	199,009	124,097	58.1	3,405	3,299	3.2	3,355	2,979	12.6	49.5	46.0	59.5	54.0	47.5	43.8	1.0	1.2	1.0	1.1	
39	337,267	283,929	17.8	7,789	6,860	13.5	8,513	6,707	26.9	57.0	55.4	43.0	44.5	54.3	52.7	1.3	1.4	1.4	1.3	
40	99,203	63,272	56.8	7,963	4,295	54.3	17,445	9,725	79.4	58.0	55.8	41.9	44.0	45.6	45.3	2.6	3.6	8.1	7.0	
41	464,524	402,244	15.5	42,697	41,823	2.1	20,440	25,139	-18.7	87.4	86.3	12.5	13.7	77.0	73.9	7.1	7.7	3.4	4.6	
42	411,200	353,621	16.3	12,119	11,916	1.7	10,112	9,509	6.3	78.4	77.0	21.6	23.0	74.4	72.6	2.2	2.4	1.8	2.0	
43	279,957	216,050	29.6	8,465	8,162	3.7	10,521	8,082	30.2	58.3	56.1	41.7	43.8	54.6	52.2	1.6	2.0	2.1	2.0	
44	181,441	140,065	29.5	0,065	5,750	5.5	5,235	4,715	11.0	45.1	43.1	54.7	56.7	42.5	40.1	1.4	1.6	1.2	1.4	
45	263,215	208,967	26.0	11,968	9,352	21.6	9,718	8,278	17.4	71.8	72.2	28.1	27.8	66.5	66.6	2.9	3.0	2.5	2.6	
46	179,778	121,536	48.1	33,704	31,182	8.1	26,519	25,340	4.7	57.8	54.6	42.0	45.2	43.3	37.2	8.1	9.6	6.4	7.8	
47	154,399	124,692	22.9	15,176	13,427	12.5	12,551	11,540	10.4	88.4	86.9	8.2	6.8	78.9	74.9	6.4	6.4	5.3	5.0	
48	642,464	458,863	40.0	81,346	55,325	47.0	112,152	85,773	30.8	83.3	81.3	16.6	18.6	64.0	62.2	8.1	7.5	11.2	11.6	
49	50,657	35,130	43.8	29,763	19,760	50.6	59,313	39,983	48.3	95.9	93.1	0.5	0.7	38.5	34.5	19.2	19.4	38.3	39.2	
50	58,978	25,786	128.7	22,647	11,651	104.9	25,844	13,491	91.6	96.9	93.3	0.3	0.2	53.2	47.8	20.4	20.5	23.3	20.0	
51	30,706	18,012	70.5	10,729	7,619	40.5	18,263	10,611	72.1	94.5	95.7	2.1	1.3	48.6	47.5	17.0	20.2	28.9	28.0	
52	147,368	99,563	47.9	46,821	30,891	51.6	70,514	51,162	37.8	97.4	97.8	1.5	1.7	54.2	53.6	17.2	16.6	28.0	27.5	
53	99,269	39,171	76.9	6,842	4,382	58.4	12,502	7,251	72.4	93.8	92.3	0.7	1.4	73.2	71.1	7.3	8.0	12.2	13.2	
54	28,752	16,183	77.7	10,663	6,567	62.4	25,682	12,161	111.2	87.9	79.2	1.0	2.5	38.8	36.7	14.4	14.9	34.7	27.6	
55	32,979	18,321	80.0	34,805	22,478	54.8	32,652	24,406	33.8	96.5	97.1	0.5	0.5	31.7	27.3	34.3	33.5	31.4	36.3	
56	15,219	5,431	180.2	8,646	3,424	152.5	12,767	5,797	120.2	91.5	82.7	0.6	0.4	38.0	30.7	21.6	19.3	31.9	32.7	
57	199,779	92,262	116.5	75,676	29,992	152.3	147,224	61,745	13											

**Urban and rural communities.**—Table 37 shows, for each geographic division, the number of males 21 years of age and over in 1910 in urban and rural communities, respectively, classified according to color or race, nativity, and parentage. The percentages formed by the several classes of population are also shown graphically in the accompanying diagram.

In the United States as a whole males 21 years of age and over formed a larger proportion of the total population in 1910 in urban than in rural communities, but the opposite was the case in the New England, Middle Atlantic, and Mountain divisions.

In the urban communities of the United States as a whole in 1910, only 38.2 per cent of the males 21 years of age and over were native whites of native parentage, while 34.3 per cent were foreign-born whites and 20.8 per cent native whites of foreign or mixed parentage; thus considerably over one-half of the total either were born abroad or had one or both parents born abroad. In rural communities, on the other hand, nearly three-fifths (59.4 per cent) of the males of 21 years and over were native whites of native parentage, only 27.7 per cent being foreign-born whites and native whites of foreign or mixed parentage. In the Middle Atlantic and New England divisions the proportion of native whites of native parentage among males of 21 years and over in urban communities was especially low (30.2 and 33.7 per cent, respectively), and the proportion of foreign-born whites especially high (44.2 and 44 per cent, respectively).

**DISTRIBUTION OF MALES 21 YEARS OF AGE AND OVER IN URBAN AND RURAL COMMUNITIES: 1910.**



**MALES 21 YEARS OF AGE AND OVER IN URBAN AND RURAL COMMUNITIES, BY DIVISIONS: 1910.**

Table 37	MALES 21 YEARS OF AGE AND OVER.										PER CENT OF TOTAL.						
	DIVISION AND CLASS OF COMMUNITY.					Indian, Chinese, Japanese, and all other.					Native white.						
	Total.	Per cent of total population.	White.	Negro.	Foreign-born white.	Native parentage.	Foreign or mixed parentage.	White.	Negro.	Indian, Chinese, Japanese, and all other.	Native parentage.	Foreign or mixed parentage.	Foreign-born white.				
United States	26,999,151	29.4	24,357,514	2,458,873	182,764	13,211,731	4,498,966	6,646,817	80.2	9.1	0.7	48.9	15.7	24.6			
Urban	13,341,135	31.3	12,453,858	811,945	75,332	5,032,253	2,779,541	4,582,058	93.3	6.1	0.6	38.2	20.8	34.3			
Rural	13,658,016	27.7	11,903,656	1,646,928	107,432	8,119,472	1,719,425	2,064,759	87.2	12.1	0.8	59.4	12.6	15.1			
NEW ENGLAND	2,019,096	30.8	1,902,996	22,074	4,026	808,405	387,744	796,847	98.7	1.1	0.2	40.0	19.2	39.5			
Urban	1,638,155	30.4	1,634,413	20,170	3,572	559,077	346,146	729,190	98.6	1.2	0.2	37.7	20.9	44.0			
Rural	360,941	32.9	358,583	1,904	454	240,328	41,598	67,657	99.3	0.5	0.1	69.1	11.5	18.7			
MIDDLE ATLANTIC	5,920,501	30.7	5,770,811	138,750	10,940	2,320,175	1,178,365	2,272,371	97.5	2.3	0.2	39.2	19.9	38.4			
Urban	4,177,617	30.4	4,055,787	113,137	8,693	1,263,179	944,316	1,848,292	97.1	2.7	0.2	30.2	22.6	44.2			
Rural	1,742,884	31.2	1,715,024	25,013	2,347	1,056,996	234,049	423,979	98.4	1.5	0.1	60.6	13.4	24.3			
EAST NORTH CENTRAL	5,094,500	30.7	5,489,013	107,170	8,317	2,613,162	1,302,508	1,573,343	97.9	1.9	0.1	46.6	23.2	28.1			
Urban	3,042,818	31.6	2,955,156	83,991	3,671	1,115,297	742,534	1,077,325	97.1	2.8	0.1	26.7	24.4	36.1			
Rural	2,051,682	29.7	2,533,857	23,179	4,646	1,497,865	559,974	476,018	98.9	0.9	0.2	58.5	21.9	18.6			
WEST NORTH CENTRAL	3,493,637	30.0	3,398,109	83,219	12,318	1,711,122	817,570	809,408	97.3	2.4	0.4	49.0	23.4	24.9			
Urban	1,567,791	32.7	1,506,067	58,538	1,886	579,723	294,915	332,329	95.2	4.6	0.1	45.7	23.3	26.2			
Rural	2,225,846	28.7	2,191,133	24,281	10,432	1,131,399	522,655	537,079	98.4	1.1	0.5	50.8	23.5	24.1			
SOUTH ATLANTIC	3,071,428	25.2	2,112,547	955,364	3,517	1,841,213	120,669	150,665	68.8	31.1	0.1	59.9	3.9	4.9			
Urban	892,835	28.9	641,383	250,083	1,369	466,228	83,620	91,535	71.8	28.0	0.2	52.2	9.4	10.3			
Rural	2,178,593	23.9	1,471,164	705,281	2,148	1,374,985	37,049	59,130	67.5	32.4	0.1	63.1	1.7	2.7			
EAST SOUTH CENTRAL	2,096,186	24.9	1,452,776	642,460	950	1,337,122	69,346	46,308	69.3	30.6	(1)	63.8	3.3	2.2			
Urban	940,715	29.3	314,122	146,339	254	237,209	47,547	29,366	68.2	31.8	0.1	54.5	10.3	6.4			
Rural	1,635,471	23.9	1,138,654	496,121	696	1,099,913	21,799	16,942	69.6	30.3	(1)	67.3	1.3	1.0			
WEST SOUTH CENTRAL	2,261,366	25.7	1,755,641	488,815	16,910	1,428,856	154,845	171,940	77.6	21.6	0.7	63.2	6.8	7.6			
Urban	589,580	30.1	463,854	123,640	2,086	329,121	68,616	66,117	78.7	21.0	0.4	55.8	11.6	11.2			
Rural	1,671,786	24.5	1,291,787	365,175	14,824	1,099,735	86,229	105,823	77.3	21.8	0.9	65.8	5.2	6.3			
MOUNTAIN	913,558	34.7	871,401	8,992	33,165	442,848	171,016	257,337	95.4	1.0	3.6	48.5	18.7	28.2			
Urban	327,456	34.6	315,368	6,010	6,078	155,799	67,451	92,118	96.3	1.8	1.9	47.6	20.6	28.1			
Rural	586,102	34.8	556,033	2,982	27,087	287,049	103,565	165,419	94.9	0.5	4.6	49.0	17.7	28.2			
PACIFIC	1,618,879	38.6	1,514,229	12,029	92,621	708,828	256,903	508,498	93.5	0.7	5.7	43.8	18.3	31.4			
Urban	924,168	38.8	896,808	9,637	47,723	386,626	184,396	295,786	93.8	1.0	5.2	41.8	20.0	32.0			
Rural	694,711	38.4	647,421	2,392	44,898	322,202	112,507	212,712	93.2	0.3	6.5	46.4	16.2	30.6			

<sup>1</sup> Less than one-tenth of 1 per cent.

**Principal cities.**—Statistics regarding males 21 years of age and over in cities of 100,000 inhabitants or more in 1910 are presented in Table 38, and similar statistics in somewhat less detail for cities having from 25,000 to 100,000 inhabitants are presented in Table 39.

Among the cities of 100,000 inhabitants or more in 1910 there were seven in which males 21 years of age and over formed more than 35 per cent of the total population, namely, Kansas City, Mo., Los Angeles, Oakland, Portland, Oreg., San Francisco, Seattle, and Spokane. In New York City the percentage was 30.1, and in no city did the percentage fall below 26.

Foreign-born whites constituted at least one-half of the males 21 years of age and over in 1910 in Bridgeport, Chicago, Cleveland, Detroit, Fall River (63.8 per cent, the highest for any city of 100,000 inhabitants or more), Lowell, New York City (57.8 per cent), Paterson, and Worcester. On the other hand, native whites of native parentage formed less than one-fifth of the total number in Chicago, Fall River (11.3 per cent), Lowell, Milwaukee, New York City (16 per cent), and Paterson. The percentage of native whites of foreign or mixed parentage was especially high in Buffalo, Cincinnati, Milwaukee, Rochester, St. Louis, and St. Paul.

MALES 21 YEARS OF AGE AND OVER IN CITIES OF 100,000 INHABITANTS OR MORE: 1910 AND 1900.

Table 38

CITY.	MALES 21 YEARS OF AGE AND OVER.														PER CENT OF TOTAL: 1910			
	Total.		Per cent of total population.		Native white.													
					Native parentage.		Foreign or mixed parentage.		Foreign-born white.		Negro.		Indian, Chinese, Japanese, and all other.					
					1910	1900	1910	1900	1910	1900	1910	1900	1910	1900				
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	Native white.	Foreign or mixed parentage.	Foreign-born white.	Negro.
Albany, N. Y.	32,000	28,410	31.9	30.2	11,959	9,663	11,435	10,478	8,192	7,768	379	490	35	37.4	35.7	25.6	1.2	
Albany, Ga.	44,510	39,183	29.7	28.8	26,625	12,932	1,065	1,055	2,287	1,258	13,862	7,866	68	39.8	2.7	5.1	31.2	
Baltimore, Md.	168,554	141,271	29.3	27.8	68,492	57,502	34,905	31,997	33,638	29,515	26,214	21,806	315	41.9	21.3	20.6	16.0	
Birmingham, Ala.	40,699	12,246	30.7	19.9	19,493	5,255	1,811	1,702	2,944	973	16,441	4,689	10	47.9	4.4	7.2	40.4	
Boston, Mass.	208,321	176,068	31.1	31.4	47,806	47,733	51,139	41,701	103,160	81,058	5,070	5,441	1,146	22.9	24.5	49.5	2.4	
Bridgeport, Conn.	32,991	21,952	32.3	30.9	8,402	6,516	6,945	5,066	17,114	9,943	471	357	59	25.5	21.1	51.9	1.4	
Buffalo, N. Y.	128,133	97,938	30.2	27.8	30,517	20,415	40,446	31,903	56,337	44,909	740	632	93	23.8	31.6	44.0	0.6	
Cambridge, Mass.	30,202	26,864	28.9	29.2	7,048	7,636	7,063	5,985	14,636	12,004	1,384	1,151	101	23.3	23.4	48.4	4.6	
Chicago, Ill.	700,590	511,048	32.1	30.1	125,703	103,674	175,307	121,804	379,830	271,962	17,845	12,414	1,795	17.9	35.0	54.2	2.5	
Cincinnati, Ohio.	113,919	92,769	31.3	28.5	37,419	22,314	42,366	38,628	26,723	26,844	7,387	4,997	24	32.8	37.2	23.3	6.5	
Cleveland, Ohio.	177,386	111,322	31.6	29.2	36,358	23,637	43,058	28,441	94,431	56,973	3,298	2,368	241	20.5	24.8	53.2	1.9	
Columbus, Ohio.	60,071	40,071	30.9	29.2	22,286	11,244	17,428	12,860	33,838	22,960	1,047	1,047	13	38.5	13.9	48.3	8.3	
Dayton, Ohio.	38,236	25,746	32.8	30.2	21,281	12,984	7,848	6,828	7,303	4,790	1,781	1,124	23	55.7	20.5	19.1	4.7	
Denver, Colo.	71,990	42,712	33.7	31.9	34,118	20,877	15,934	8,426	19,204	11,778	1,999	1,331	735	47.4	22.1	26.7	2.8	
Detroit, Mich.	150,017	78,855	32.2	27.6	32,653	15,830	39,761	21,426	75,323	40,216	2,224	1,372	56	21.8	26.5	50.2	1.5	
Fall River, Mass.	31,647	26,842	26.5	25.6	3,561	3,582	7,699	5,379	20,181	17,732	133	71	73	11.3	24.3	63.8	0.4	
Grand Rapids, Mich.	34,295	24,906	30.5	28.4	11,792	8,279	8,527	5,745	13,689	10,683	264	192	23	34.4	24.9	39.9	0.8	
Indianapolis, Ind.	76,743	52,544	32.8	31.1	45,385	27,990	13,149	10,987	10,407	8,355	7,556	5,200	46	59.4	17.1	13.6	9.8	
Jersey City, N. J.	80,866	60,519	30.2	29.2	17,336	15,444	25,574	18,300	37,707	27,104	2,104	1,260	145	38.5	46.3	26.6	2.6	
Kansas City, Mo.	87,457	53,708	35.2	32.8	51,616	29,881	13,601	8,761	13,652	9,183	9,101	5,797	57	59.0	15.6	14.9	10.4	
Los Angeles, Cal.	114,888	33,049	36.0	32.2	57,829	16,024	20,298	5,765	29,576	8,918	2,571	632	4,083	50.3	17.6	25.7	2.2	
Louisville, Ky.	67,676	59,561	30.2	29.1	28,928	20,921	17,190	16,177	18,354	10,047	13,867	12,416	9	42.0	25.4	12.3	20.2	
Lowell, Mass.	31,800	27,059	29.4	28.5	5,859	6,259	7,156	5,392	18,191	15,305	44	47	50	17.7	22.9	58.1	0.1	
Memphis, Tenn.	44,309	31,405	33.8	30.7	19,781	11,172	8,847	3,256	3,403	2,697	17,238	14,251	40	44.6	8.7	7.7	38.9	
Milwaukee, Wis.	113,106	75,020	30.3	29.3	15,436	7,872	41,114	26,313	56,101	40,455	396	358	59	13.6	36.3	49.6	0.4	
Minneapolis, Minn.	105,305	63,711	34.9	31.4	31,749	18,401	27,053	14,422	45,159	30,227	1,227	637	117	30.1	25.7	42.7	1.2	
Nashville, Tenn.	30,774	22,191	29.7	27.4	17,422	11,178	2,196	2,061	1,435	1,457	9,713	7,476	8	56.6	7.1	4.9	31.6	
New Haven, Conn.	40,510	32,566	30.3	30.1	10,853	10,990	9,180	7,582	19,194	13,030	1,191	863	86	26.8	22.7	47.4	29.1	
New Orleans, La.	86,997	75,440	28.6	26.3	35,767	18,910	24,134	22,699	13,486	13,600	25,289	19,906	341	34.8	24.9	13.9	26.9	
New York, N. Y.	1,433,749	1,007,670	30.1	29.3	229,362	178,000	339,611	264,205	838,793	539,746	30,855	15,651	5,128	16.0	20.3	67.8	2.2	
Manhattan Borough.	1,277,655	853,726	31.2	29.9	99,114	83,850	142,087	129,091	491,245	324,651	21,279	11,638	3,828	15.6	19.6	58.4	2.9	
Brooklyn Borough.	126,825	87,802	29.5	28.6	19,417	10,059	37,560	27,109	73,679	56,346	1,269	737	187	15.4	19.6	64.0	1.0	
Queens Borough.	470,386	332,715	28.8	28.5	86,752	70,794	127,157	99,883	248,544	155,600	7,011	8,275	922	18.4	27.0	52.6	1.6	
Rochester, N. Y.	82,373	45,170	29.0	26.6	16,724	8,461	26,206	12,603	38,360	21,383	909	681	134	20.3	31.8	46.6	1.2	
Richmond Borough.	26,500	20,557	30.8	28.7	7,223	5,766	6,903	5,348	11,977	8,796	537	300	66	27.5	56.1	46.2	1.3	
Newark, N. J.	103,234	70,558	29.7	28.7	24,386	17,656	25,938	19,195	49,674	31,843	3,015	1,966	221	23.6	25.1	48.1	2.9	
Oakland, Cal.	53,967	20,851	35.9	31.1	17,406	6,987	12,783	4,863	19,334	7,701	1,238	355	3,566	31.6	23.7	33.8	2.3	
Omaha, Neb.	43,216	34,630	31.8	33.8	17,601	15,002	9,874	6,983	13,788	11,383	1,855	1,257	68	40.7	22.8	31.4	4.4	
Paterson, N. J.	36,873	29,648	29.4	28.2	7,115	5,774	9,046	6,923	20,182	16,475	356	77	19	19.3	24.5	54.7	1.2	
Philadelphia, Pa.	468,813	336,953	30.3	29.9	160,396	141,741	112,186	96,070	167,072	127,915	28,120	20,065	1,039	34.2	23.9	35.6	6.0	
Pittsburgh, Pa.	166,424	136,421	31.2	30.2	45,933	37,000	40,737	35,567	70,148	55,958	9,362	7,199	244	27.6	24.5	42.2	5.6	
Portland, Oreg.	68,903	38,353	42.9	42.4	41,908	13,889	19,283	6,312	25,230	9,836	525	6,462	46	46.8	17.2	28.4	0.6	
Providence, R. I.	93,998	53,131	30.8	30.3	17,120	16,755	16,192	11,759	32,863	22,908	1,765	1,500	241	26.0	23.5	47.6	2.6	
Richmond, Va.	37,204	23,436	29.2	27.6	19,551	12,499	2,320	1,745	2,040	1,401	13,279	8,472	14	52.6	6.2	5.5	35.7	
Rochester, N. Y.	69,544	45,336	31.9	27.9	29,167	11,759	21,683	15,508	27,067	17,242	305	175	42	29.4	31.2	38.9	0.4	
St. Louis, Mo.	221,913	171,778	32.3	29.9	67,002	42,588	74,623	61,948	132,440	55,223	16,381	11,727	467	30.2	33.6	28.6	7.4	
St. Paul, Minn.	72,073	51,027	33.6	31.3	18,559	13,102	22,832	14,407	29,048	22,455	1,573	1,051	61	25.8	31.7	40.3	2.2	
San Francisco, Cal.	175,951	128,983	42.2	37.6	41,019	37,179	46,740	33,579	75,758	56,102	831	619	10,993	23.7	28.6	45.1	0.5	
Scranton, Pa.	37,059	28,053	27.5	27.5	8,759	6,170	10,617	8,056	17,461	13,629	216	207	6	32.6	28.6	47.1	0.6	
Seattle, Wash.	101,685	39,073	42.9	49.0	41,632	19,634	17,323	5,442	36,097	11,521	1,204	169	5,429	40.9	17.0	35.5	1.2	
Spokane, Wash.	40,254	14,944	38.6	40.6	18,983	7,259	8,147	2,857	12,289	4,324	305	169	520	16.9	20.2	30.8	0.8	
Structure, N. Y.	44,713	32,499	32.6	30.1	17,377	11,856	11,949	9,883	14,944	10,404	437	356	15	38.9	26.7	33.4	1.0	
Toledo, Ohio.	52,748	38,257	31.3	29.0	21,209	13,919	14,955	10,559	15,826	12,843	719	606	39	40.2	28.4	30.0	1.4	
Washington, D. C.	103,761	83,523	31.3	30.1	49,949	39,557	14,078	11,161	11,738	9,600	27,621	23,072	375	48.1	13.6	11.3	26.6	
Worcester, Mass.	45,601	35,743	31.2	30.2	12,343	11,319	9,988	7,441	22,816	16,541	354	339	70	27.1	21.9	50.0	0.9	

1 Includes population of Allegheny for 1900.

MALES 21 YEARS OF AGE AND OVER, WITH CITIZENSHIP OF FOREIGN-BORN WHITES, IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910.

Table 39

CITY.	MALES 21 YEARS OF AGE AND OVER.						PER CENT OF TOTAL: 1910					FOREIGN-BORN WHITE MALES 21 YEARS OF AGE AND OVER: 1910				
	Total.		Native white:		Foreign- born white: 1910	Negro: 1910	Indian, Chi- nese, Japane- se, and other: 1910	Native white.					Natural- ized.	Hav- ing first papers.	Alien.	Citi- zen- ship not re- ported.
	1910	1900	Native parent- age.	Foreign or mixed parent- age.				Native parent- age.	Foreign or mixed parent- age.	Foreign- born white.	Negro.					
<b>Alabama</b>																
Mobile.....	15,014	10,645	5,376	1,815	1,228	6,578	17	35.8	12.1	8.2	43.8	652	68	328	180	
Montgomery.....	10,789	7,792	4,971	429	394	4,988	17	46.1	4.0	3.7	46.2	201	15	50	128	
<b>Arkansas</b>																
Little Rock.....	14,801	11,744	7,668	1,466	1,066	4,592	9	51.8	9.9	7.2	31.0	629	52	117	268	
<b>California</b>																
Berkeley.....	12,622	3,734	5,363	2,822	3,627	56	754	42.5	22.4	28.7	0.4	2,096	339	854	338	
Pasadena.....	9,262	2,675	5,509	1,459	1,772	227	295	59.5	15.8	19.1	2.5	1,101	125	402	144	
Sacramento.....	18,777	10,914	6,972	4,437	5,331	207	1,830	37.1	28.4	28.4	1.1	2,424	402	1,779	726	
San Diego.....	14,824	5,885	7,853	2,461	3,845	232	453	53.0	16.6	25.9	1.6	2,057	190	936	662	
San Jose.....	9,761	6,586	3,857	2,370	2,963	66	525	39.3	24.3	30.4	0.7	1,537	181	812	333	
<b>Colorado</b>																
Colorado Springs.....	9,213	6,773	5,877	1,599	1,434	338	25	63.8	16.7	15.6	3.7	748	83	279	324	
Pueblo.....	16,814	10,142	8,853	2,310	4,777	581	193	53.2	13.7	28.4	3.5	1,773	230	1,991	783	
<b>Connecticut</b>																
Hartford.....	31,121	26,631	9,615	6,945	13,975	501	85	30.9	22.3	44.9	1.6	6,294	1,112	5,751	818	
Meriden town.....	9,445	8,272	2,408	2,650	4,346	29	12	25.5	28.1	46.0	0.3	2,308	348	1,280	410	
Middletown.....	7,596	7,040	2,087	2,338	5,690	29	12	25.4	23.0	46.1	0.4	1,931	312	1,116	531	
New Britain.....	15,384	8,941	2,430	2,875	8,843	25	11	63.2	19.1	63.2	0.2	3,854	603	4,476	620	
Norwich town.....	8,292	7,035	2,499	2,026	3,558	191	18	30.1	24.4	42.9	2.3	1,456	155	1,677	240	
Stamford town.....	8,947	5,548	3,149	1,699	3,979	96	24	35.2	19.0	44.5	1.1	1,496	326	1,730	428	
Stamford city.....	7,638	4,602	2,471	1,472	5,679	95	9	32.4	19.5	46.9	1.2	1,317	281	1,690	391	
Waterbury.....	22,801	15,558	5,965	4,965	12,463	232	36	32.4	21.8	54.7	1.1	4,662	595	6,958	698	
<b>Delaware</b>																
Wilmington.....	27,519	23,157	13,253	4,511	6,754	2,981	20	48.2	16.4	24.5	10.8	2,572	520	2,671	691	
<b>Florida</b>																
Jacksonville.....	19,392	8,183	7,490	881	1,308	9,652	61	38.6	4.5	6.7	49.8	587	69	276	376	
Tampa.....	11,691	4,939	3,574	760	4,407	2,926	34	30.6	4.6	37.7	25.0	919	175	2,765	548	
<b>Georgia</b>																
Augusta.....	11,949	10,346	5,739	603	498	5,067	42	48.0	5.0	4.2	42.4	261	32	94	111	
Macon.....	11,647	6,088	5,933	340	481	4,988	5	50.9	2.9	3.3	42.9	161	21	72	127	
Savannah.....	19,557	15,994	6,329	1,329	1,706	9,992	28	32.4	7.8	8.7	50.8	938	121	337	283	
<b>Illinois</b>																
Aurora.....	9,711	7,042	3,587	2,505	3,566	100	3	36.4	25.8	36.7	1.0	1,795	171	1,160	450	
Bloomington.....	8,009	6,828	4,212	1,907	1,612	272	6	52.6	23.8	20.1	3.4	1,152	53	137	270	
Danville.....	8,514	5,016	5,553	1,437	1,905	526	13	65.0	16.9	11.8	6.2	727	46	60	172	
Decatur.....	9,703	7,057	6,761	1,540	1,127	280	10	69.7	15.9	11.6	2.7	694	50	110	270	
East St. Louis.....	21,005	9,841	8,830	4,041	5,236	190	19	42.5	19.2	27.3	10.9	1,613	374	2,701	1,041	
Elgin.....	7,910	6,353	2,788	2,404	2,651	66	11	35.2	30.4	33.5	0.7	1,608	127	280	636	
Joliet.....	11,477	8,592	2,426	2,971	5,877	195	8	21.1	25.9	51.2	1.7	2,453	284	2,671	429	
Peoria.....	11,984	10,194	11,823	6,048	4,661	694	19	49.8	37.1	20.2	2.8	2,593	109	1,620	882	
Quincy.....	11,388	10,276	4,785	4,230	1,807	555	11	42.0	37.1	15.9	4.9	1,342	21	61	393	
Rockford.....	15,014	8,856	4,497	3,333	7,102	74	8	30.0	22.2	47.3	0.5	4,094	625	1,822	561	
Springfield.....	16,090	9,913	7,747	3,992	3,566	1,021	14	48.1	24.6	20.9	6.3	1,940	242	464	720	
<b>Indiana</b>																
Evansville.....	21,443	16,756	10,818	6,090	2,280	2,242	4	50.5	28.4	10.7	10.5	1,683	122	115	359	
Fort Wayne.....	19,678	12,595	9,702	5,964	3,785	216	12	49.3	30.3	19.2	1.1	2,459	363	516	447	
South Bend.....	16,566	10,402	6,584	2,950	7,226	226	20	39.7	17.8	41.0	1.4	2,226	2,434	1,808	818	
Terre Haute.....	18,609	11,089	12,553	3,675	2,657	906	18	67.5	16.5	11.1	4.9	1,080	164	229	584	
<b>Iowa</b>																
Cedar Rapids.....	10,387	7,462	5,119	2,554	2,619	93	2	49.3	24.6	25.2	0.9	1,531	185	416	487	
Clinton.....	8,397	6,627	3,187	2,453	2,815	142	11	38.0	29.2	31.1	1.7	1,097	98	540	280	
Council Bluffs.....	9,439	7,463	4,826	2,034	2,309	160	110	51.1	21.5	24.5	1.7	1,392	94	619	394	
Davenport.....	13,709	10,372	4,336	5,007	4,132	244	4	31.6	36.5	30.2	1.6	2,597	264	488	783	
Des Moines.....	27,353	18,911	15,076	5,088	5,231	1,043	21	58.4	18.6	19.1	3.8	2,807	280	893	1,251	
Dubuque.....	11,983	10,977	5,508	5,402	5,520	47	10	46.8	37.1	20.2	0.8	2,281	139	1,620	882	
Sioux City.....	16,932	10,052	7,234	3,801	5,781	122	7	42.7	22.4	34.1	0.7	2,408	459	1,821	1,093	
Waterloo.....	8,945	3,880	5,560	2,076	1,494	14	1	59.9	23.2	16.7	0.2	650	64	416	364	
<b>Kansas</b>																
Kansas City.....	26,562	15,589	14,227	3,514	5,710	3,088	23	53.6	13.2	21.5	11.6	2,427	642	1,734	907	
Topeka.....	13,977	9,657	8,496	1,987	2,123	1,634	7	60.8	14.2	15.2	9.8	1,115	133	413	462	
Wichita.....	17,788	7,442	13,054	2,350	1,591	880	13	73.4	12.6	8.9	9.9	653	88	383	407	
<b>Kentucky</b>																
Covington.....	15,585	11,568	7,645	5,082	1,885	961	12	49.1	32.6	12.1	6.2	1,435	88	88	274	
Lexington.....	11,681	7,719	6,498	692	509	3,379	3	58.6	6.2	4.6	30.5	330	22	78	79	
Newport.....	8,786	7,702	3,483	3,662	1,534	167	.....	39.6	41.0	17.5	1.9	1,009	86	190	249	
<b>Louisiana</b>																
Shreveport.....	8,635	4,693	3,896	403	525	3,704	17	45.1	5.7	6.1	42.9	248	6	111	169	
<b>Maine</b>																
Lewiston.....	7,267	6,397	2,281	1,356	3,508	18	10	32.8	18.7	48.2	0.2	1,405	57	1,558	481	
Portland.....	18,447	15,433	10,208	3,094	5,023	80	42	55.3	16.8	27.2	0.4	2,222	252	1,811	738	
<b>Massachusetts</b>																
Brookton.....	17,905	12,357	7,198	3,494	7,063	151	29	40.2	19.5	39.3	0.8	3,167	682	2,909	275	
Brookline town.....	7,346	5,336	3,424	1,543	2,307	50	22	46.6	21.0	31.4	0.7	1,274	138	723	172	
Chelsea.....	10,112	10,198	2,536	1,039	5,883	66	28	24.1	16.8	58.8	0.7	2,133	647	2,340	263	
Chicago.....	7,072	5,476	1,121	1,612	4,230	3	6	15.9	22.8	61.2	(*)	1,280	167	2,734	149	
Everett.....	9,561	7,048	3,449	1,808	4,085	204	15	36.1	18.9	42.7	2.1	2,228	294	1,363	200	
Fitchburg.....	11,027	9,102	2,935	2,128	5,933	120	20	11	26.6	53.8	0.2	1,950	382	3,189	412	
Haverhill.....	13,623	11,182	6,069	2,377	4,936	120	31	44.8	17.6	36.5	0.4	2,305	349	2,410	141	
Holyoke.....	15,528	11,791	2,259	3,806	9,457	10	16	14.4	24.5	69.9	0.1	3,765	418	4,615	659	
Lawrence.....	25,983	17,813	3,113	5,274	17,414	128	54	12.0	20.3	67.0	0.5	6,588	678	9,608	540	
Lynn.....	29,171	21,485	11,167	5,642	12,088	218	106	38.3	19.3	41.3	0.7	4,931	978	5,522	607	

\* Less than one-tenth of 1 per cent.

MALES 21 YEARS OF AGE AND OVER, WITH CITIZENSHIP OF FOREIGN-BORN WHITES, IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910—Continued.

Table 39—Continued.

CITY.	MALES 21 YEARS OF AGE AND OVER.					PER CENT OF TOTAL: 1910										FOREIGN-BORN WHITE MALES 21 YEARS OF AGE AND OVER: 1910			
	Total.		Native white: 1910		Foreign-born white: 1910	Negro: 1910	Indian, Chinese, Japanese, and all other: 1910	Native white.					Negro.	Naturalized.	Having first papers.	Alien.	Citizenship not reported.		
	1910	1900	Native parent-age.	Foreign or mixed parent-age.				Native parent-age.	Foreign or mixed parent-age.	Foreign-born white.									
<b>Massachusetts—Continued.</b>																			
Malden.....	12,218	9,496	4,379	2,296	6,404	119	20	35.8	18.8	44.2	1.0		2,941	536	1,739	188			
New Bedford.....	28,203	17,162	5,778	4,353	17,151	934	47	20.4	15.4	60.7	3.3		5,441	738	10,084	838			
Pittsfield.....	10,817	9,265	4,615	2,011	4,061	100	30	42.7	18.6	37.5	0.9		1,829	319	10,084	233			
Quincy.....	10,236	6,187	3,869	2,988	3,176	103	36	38.5	29.2	31.9	1.0		1,549	135	1,353	129			
Salem.....	9,820	6,916	2,787	1,997	4,996	15	25	28.4	20.3	50.9	0.2		2,347	627	1,922	180			
Somerville.....	12,620	10,097	3,869	2,980	5,996	53	31	30.6	23.6	45.1	0.4		2,421	221	2,798	234			
Springfield.....	22,883	18,148	9,226	4,728	8,814	54	61	40.3	20.7	38.5	0.2		4,263	671	3,463	477			
Taunton.....	27,360	18,473	10,808	6,758	9,942	460	54	36.9	22.9	36.3	1.5		4,182	732	4,520	448			
Waltham.....	10,236	9,215	3,511	2,421	4,206	91	7	34.3	23.7	41.1	0.9		1,500	117	2,200	353			
	7,952	6,069	3,015	1,834	3,068	9	26	37.9	23.1	38.6	0.1		1,525	216	1,146	181			
<b>Michigan</b>																			
Battle Creek.....	8,429	5,798	5,599	1,396	1,259	197	8	66.1	16.6	14.9	2.3		570	64	324	301			
Bay City.....	12,654	7,259	3,000	4,376	5,213	62	3	23.7	34.6	41.2	0.5		4,009	262	634	308			
Flint.....	15,107	4,027	7,741	3,382	3,428	147	9	51.2	23.7	24.0	1.0		1,579	196	1,719	134			
Jackson.....	10,708	8,211	6,857	4,461	2,182	165	12	55.3	22.9	20.3	1.4		1,180	119	1,122	221			
Kalamazoo.....	12,588	7,451	6,514	2,662	3,199	254	9	61.7	21.1	25.0	2.0		1,505	134	719	701			
Lansing.....	10,757	4,654	6,522	2,109	2,006	113	6	68.6	19.6	18.5	1.1		1,029	137	610	230			
Saginaw.....	15,347	11,538	4,329	5,303	5,584	127	7	28.2	34.6	36.4	0.8		3,799	106	717	902			
<b>Minnesota</b>																			
Duluth.....	30,066	18,937	5,854	6,301	17,663	198	40	19.5	21.0	58.7	0.7		8,359	2,172	4,774	2,358			
<b>Missouri</b>																			
Joplin.....	9,921	8,300	8,131	978	525	282	5	82.0	9.9	5.3	2.8		350	18	53	104			
St. Joseph.....	26,051	34,374	15,745	4,401	4,281	1,698	16	60.5	16.9	16.4	6.1		2,256	305	956	764			
Springfield.....	10,516	6,469	8,183	1,107	638	583		77.9	10.5	6.1	5.5		364	16	31	227			
<b>Montana</b>																			
Butte.....	16,037	13,387	4,170	3,677	7,826	117	248	26.0	22.9	48.8	0.7		4,662	786	1,657	720			
<b>Nebraska</b>																			
Lincoln.....	13,923	12,528	8,122	2,386	3,101	302	12	58.3	17.1	22.3	2.2		1,372	803	610	316			
South Omaha.....	8,677	9,880	2,903	1,569	4,377	313	175	26.5	17.4	50.4	3.6		1,956	663	1,302	456			
<b>New Hampshire</b>																			
Manchester.....	19,720	15,395	4,768	3,444	11,486	13	19	24.2	17.5	58.2	0.1		4,566	442	4,845	1,633			
Nashua.....	7,763	6,706	2,672	1,353	3,748	5	5	34.4	17.2	48.3	0.1		1,190	75	2,199	284			
<b>New Jersey</b>																			
Atlantic City.....	15,025	9,368	7,056	1,748	2,996	3,756	70	45.2	11.2	19.2	24.0		1,176	312	822	692			
Bayonne.....	16,453	9,308	2,748	3,396	10,139	166	34	18.7	20.6	61.4	1.0		3,364	719	5,290	736			
Camden.....	28,229	22,249	14,374	5,053	7,997	1,945	57	49.9	17.5	25.7	6.7		3,041	456	2,952	918			
East Orange.....	9,764	5,774	5,106	2,132	2,079	422	25	62.3	21.8	21.3	4.3		1,187	121	436	335			
Elizabeth.....	22,606	15,191	4,970	5,488	11,713	400	26	22.0	24.3	51.8	1.8		5,036	1,077	4,572	1,028			
Hoboken.....	14,339	13,089	12,339	3,249	15,562	39	42	14.1	34.8	50.8	0.2		5,706	1,447	5,258	1,084			
Orange.....	8,453	6,549	2,019	2,073	3,660	720	21	23.8	24.4	43.1	8.5		1,822	324	1,191	323			
Passaic.....	14,924	7,552	1,861	1,961	10,920	156	26	12.5	13.1	73.2	1.0		2,967	747	5,231	1,975			
Perth Amboy.....	9,994	5,782	1,416	1,316	7,201	50	11	14.2	13.2	72.1	0.5		2,231	459	3,913	568			
West Hoboken town.....	22,110	11,629	5,479	12,838	1,124	33	33	37.3	17.6	41.5	3.6		5,253	5,790	1,006	1,006			
	10,273	6,403	1,279	2,774	6,177	20	23	12.5	27.0	60.1	0.2		2,905	789	1,728	755			
<b>New York</b>																			
Amsterdam.....	9,501	6,009	3,031	1,739	4,691	33	7	31.9	18.3	49.4	0.3		1,808	252	2,310	321			
Auburn.....	11,949	10,084	4,875	3,060	3,788	213	13	40.8	25.6	31.7	1.8		1,743	209	1,680	156			
Buffalo.....	15,666	12,189	9,460	2,644	3,310	244	8	60.4	16.9	21.1	1.0		1,200	238	1,060	752			
Elmira.....	11,991	11,349	6,398	2,705	2,494	183	11	55.0	22.6	20.8	1.5		1,648	94	669	83			
Jamestown.....	10,023	6,738	3,201	1,747	5,053	39	1	31.9	17.4	50.2	0.4		2,741	433	1,085	746			
Kingston.....	7,558	6,804	3,799	2,003	1,587	197	2	49.9	26.5	21.0	2.6		955	82	1,352	198			
Mount Vernon.....	8,854	5,758	2,849	2,136	3,012	236	21	32.2	24.1	40.8	2.7		1,980	341	1,150	171			
New Rochelle.....	8,842	4,454	2,039	2,039	2,403	245	10	33.9	21.8	44.3	1.7		1,097	378	1,359	120			
Newburgh.....	8,471	7,056	3,925	2,106	2,241	189	10	64.8	24.9	26.5	2.2		1,125	109	550	457			
Niagara Falls.....	10,352	6,478	2,397	2,078	5,755	118	4	23.2	20.1	55.6	1.1		2,082	373	2,892	408			
Poughkeepsie.....	8,682	7,190	4,374	1,969	2,122	211	6	50.4	22.7	24.4	2.4		994	130	487	511			
Schenectady.....	15,361	11,683	9,193	2,769	1,602	85	11	59.8	18.9	10.8	11.3		3,846	741	4,071	894			
Troy.....	22,483	17,038	8,007	7,682	6,554	226	14	35.6	34.2	29.2	1.0		4,388	186	1,419	561			
Utica.....	22,619	16,216	6,902	6,300	9,341	135	1	30.4	27.8	41.2	0.6		4,326	542	3,662	811			
Watertown.....	8,384	6,782	4,077	1,673	2,798	30	6	47.5	19.5	32.6	0.3		1,050	131	1,255	369			
Yonkers.....	23,533	15,355	5,464	5,215	12,205	501	88	23.2	22.2	52.2	2.1		5,629	1,110	5,680	496			
<b>North Carolina</b>																			
Charlotte.....	9,025	4,557	5,820	162	240	2,801	2	64.5	1.8	2.7	31.0		100	28	51	61			
Wilmington.....	7,129	5,373	3,566	229	259	3,066	9	50.0	3.2	3.6	43.0		142	9	38	70			
<b>Ohio</b>																			
Akron.....	23,767	12,620	11,931	4,541	7,051	238	6	50.2	29.1	29.7	1.0		2,459	317	3,198	1,677			
Canton.....	16,874	8,818	8,548	3,178	5,010	129	9	50.7	18.8	29.7	0.8		2,205	233	2,575	227			

MALES 21 YEARS OF AGE AND OVER, WITH CITIZENSHIP OF FOREIGN-BORN WHITES, IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910—Continued.

Table 39—Continued.

CITY.		MALES 21 YEARS OF AGE AND OVER.						PER CENT OF TOTAL: 1910					FOREIGN-BORN WHITE MALES 21 YEARS OF AGE AND OVER: 1910				
		Total.		Native white: 1910		Foreign-born white: 1910	Negro: 1910	Indian, Chinese, Japanese, and all other: 1910	Native white.			Naturalized.	Having first papers.	Alien.	Citizenship not reported.		
1910	1900	Native parent-age.	Foreign or mixed parent-age.	Native parent-age.	Foreign or mixed parent-age.				Native parent-age.	Foreign or mixed parent-age.	Foreign-born white.					Negro.	
Pennsylvania—Continued.																	
Hazleton.....	6,724	3,656	1,719	2,014	2,972	11	8	25.6	30.0	44.2	0.2	1,457	119	1,154	242		
Johnstown.....	18,908	10,968	6,709	2,672	9,225	185	17	35.7	14.2	49.0	1.0	1,621	190	6,951	463		
Lancaster.....	13,492	11,228	9,555	2,181	1,472	275	9	70.8	16.2	10.9	2.0	1,028	68	319	57		
McKeesport.....	12,840	9,812	3,768	2,265	6,551	248	8	29.3	17.6	51.0	1.9	2,548	410	3,196	397		
New Castle.....	11,822	8,813	5,318	1,594	4,707	189	14	45.0	13.5	39.8	1.6	1,326	292	2,800	289		
Norristown borough.....	8,619	6,714	5,149	1,462	1,691	311	6	59.7	17.0	19.6	3.6	477	80	597	537		
Reading.....	29,041	22,516	21,506	2,707	4,528	295	5	74.1	9.3	15.6	1.0	1,430	24	2,675	203		
Shenandoah borough.....	8,028	6,440	881	1,199	5,942	1	5	11.0	14.9	74.0	(1)	1,750	294	2,692	206		
Wilkes-Barre.....	18,934	13,557	5,656	5,129	7,899	246	4	29.9	27.1	41.7	1.3	3,754	396	3,108	641		
Williamsport.....	9,214	7,782	6,148	1,653	1,153	259	1	66.7	17.9	12.5	2.8	723	69	227	134		
York.....	13,331	9,492	10,964	1,163	829	373	2	82.2	8.7	6.2	2.8	508	40	215	66		
Rhode Island																	
Newport.....	8,648	6,811	3,105	2,113	2,925	480	25	35.9	24.4	33.8	5.6	1,672	310	682	261		
Pawtucket.....	15,941	11,075	3,366	4,078	7,523	68	26	22.3	27.1	50.0	0.5	4,017	562	2,201	743		
Warwick town.....	7,036	5,901	2,287	1,561	3,726	58	30	40.0	20.4	48.8	0.8	1,581	106	1,514	525		
Woonsocket.....	10,422	7,363	1,432	2,433	6,540	7	10	13.7	23.3	62.8	0.1	2,300	256	3,353	631		
South Carolina																	
Charleston.....	16,107	14,167	5,477	1,454	1,282	7,881	13	34.0	9.0	8.0	48.9	678	92	255	58		
Columbia.....	7,605	5,999	4,110	191	227	3,076	1	54.0	2.5	3.0	40.4	103	3	63	58		
Tennessee																	
Chattanooga.....	14,299	9,133	7,262	645	690	5,700	2	50.8	4.5	4.8	39.9	361	51	• 93	184		
Knoxville.....	10,591	9,015	7,429	484	380	2,297	1	70.1	4.6	3.6	21.7	193	13	50	124		
Texas																	
Austin.....	8,612	6,227	4,489	947	1,210	1,929	7	52.1	11.0	14.4	22.4	583	26	167	464		
Dallas.....	29,464	12,843	18,674	2,527	2,811	5,830	22	62.5	8.5	9.4	19.5	1,504	134	463	710		
El Paso.....	11,791	5,032	5,058	1,390	4,640	486	217	42.9	11.8	33.4	4.1	988	201	2,445	1,006		
Fort Worth.....	25,193	8,323	16,301	1,776	2,541	4,513	62	64.7	7.0	10.1	17.9	963	849	699	362		
Galveston.....	12,753	11,067	3,584	2,866	3,593	2,654	46	28.1	23.3	27.5	29.8	1,062	480	699	362		
Houston.....	25,935	13,816	11,853	3,352	3,486	7,240	24	45.7	12.9	13.4	27.9	1,754	239	746	727		
San Antonio.....	27,979	14,490	11,941	5,700	7,354	2,917	67	42.7	20.4	26.3	10.4	3,114	272	2,223	1,745		
Waco.....	7,375	5,641	4,582	484	656	1,636	17	62.1	6.6	8.9	22.2	387	27	72	170		
Utah																	
Ogden.....	7,680	4,082	2,879	2,210	2,103	110	378	37.5	28.8	27.4	1.4	1,130	141	518	311		
Salt Lake City.....	28,640	13,639	10,471	8,663	8,675	369	462	36.6	30.2	30.3	1.3	4,335	958	1,990	1,392		
Virginia																	
Lynchburg.....	7,848	4,599	5,146	217	250	2,232	3	65.6	2.8	3.2	28.4	130	15	83	22		
Norfolk.....	20,907	13,968	10,221	953	1,820	7,864	49	48.9	4.6	8.7	37.6	931	151	565	173		
Portsmouth.....	10,623	5,361	5,872	740	694	3,394	13	55.3	7.0	5.7	31.9	349	35	75	125		
Roanoke.....	10,144	5,791	7,389	271	414	2,066	4	72.8	2.7	4.1	20.4	212	30	117	55		
Washington																	
Tacoma.....	32,910	14,005	13,791	5,644	12,191	351	933	41.9	17.1	37.0	1.1	5,808	1,171	3,544	1,663		
West Virginia																	
Huntington.....	9,349	3,385	7,871	412	394	752	10	84.2	4.4	3.3	8.0	175	12	43	74		
Wheeling.....	12,822	11,122	5,748	3,927	2,679	461	7	44.8	30.6	20.9	3.6	1,413	95	743	428		
Wisconsin																	
Green Bay.....	6,884	4,766	1,459	3,319	2,078	14	14	21.2	48.2	30.2	0.2	1,524	205	131	213		
La Crosse.....	8,729	7,577	2,159	3,387	2,965	18	18	24.7	41.1	34.0	0.2	1,759	524	276	496		
Madison.....	7,825	5,708	2,582	3,021	2,105	47	70	33.0	38.6	26.9	0.6	1,174	179	338	414		
Oshkosh.....	9,440	7,513	2,225	3,382	3,598	27	8	23.6	37.9	38.1	0.3	2,106	319	419	554		
Racine.....	12,478	8,283	2,160	3,682	6,590	42	4	17.3	29.5	52.8	0.3	2,834	1,215	2,011	530		
Sheboygan.....	7,807	6,044	751	2,695	4,359	1	1	9.6	34.5	55.8	(1)	2,061	721	991	586		
Superior.....	15,378	11,320	3,853	3,206	8,201	68	50	25.1	20.8	53.3	0.4	3,735	1,323	2,220	923		

<sup>1</sup> Less than one-tenth of 1 per cent.

**Citizenship of foreign-born white males.**—Statistics as to the citizenship of foreign-born white males 21 years of age and over, as enumerated in 1910, are given in Table 40. Of the 6,646,817 foreign-born white males 21 years of age and over in the United States in 1910, 45.6 per cent were reported as naturalized, 8.6 per cent as having taken out their first naturalization papers, and 34.1 per cent as aliens, while for 11.7 per cent no report as to citizenship was secured. As already stated, it is probable that much the larger proportion of this last group are aliens. Nevertheless, on account of the marked variations in the relative numbers of those for whom there were no reports regarding citizenship in the different states and geographic divisions, comparisons of the percentages for those naturalized, those having first papers, and aliens are somewhat unsatisfactory.

It is evident, however, that in those geographic divisions in which a large part of the foreign-born population consists of recent immigrants—notably the New England, Middle Atlantic, South Atlantic, Mountain, and Pacific divisions—the proportion of the foreign-born white males of 21 years and over who are naturalized is much lower than in the divisions which have a relatively smaller proportion of recent immigrants, particularly the East North Central and West North Central. Many of these immigrants have been here too short a time to become naturalized. Among the states West Virginia had the lowest proportion naturalized (20.9 per cent), Arizona and Maine coming next. The proportion naturalized exceeded three-fifths in Kentucky, Iowa, Nebraska, and Minnesota. Among the geographic divisions the Middle Atlantic had the lowest percentage naturalized (38.7).





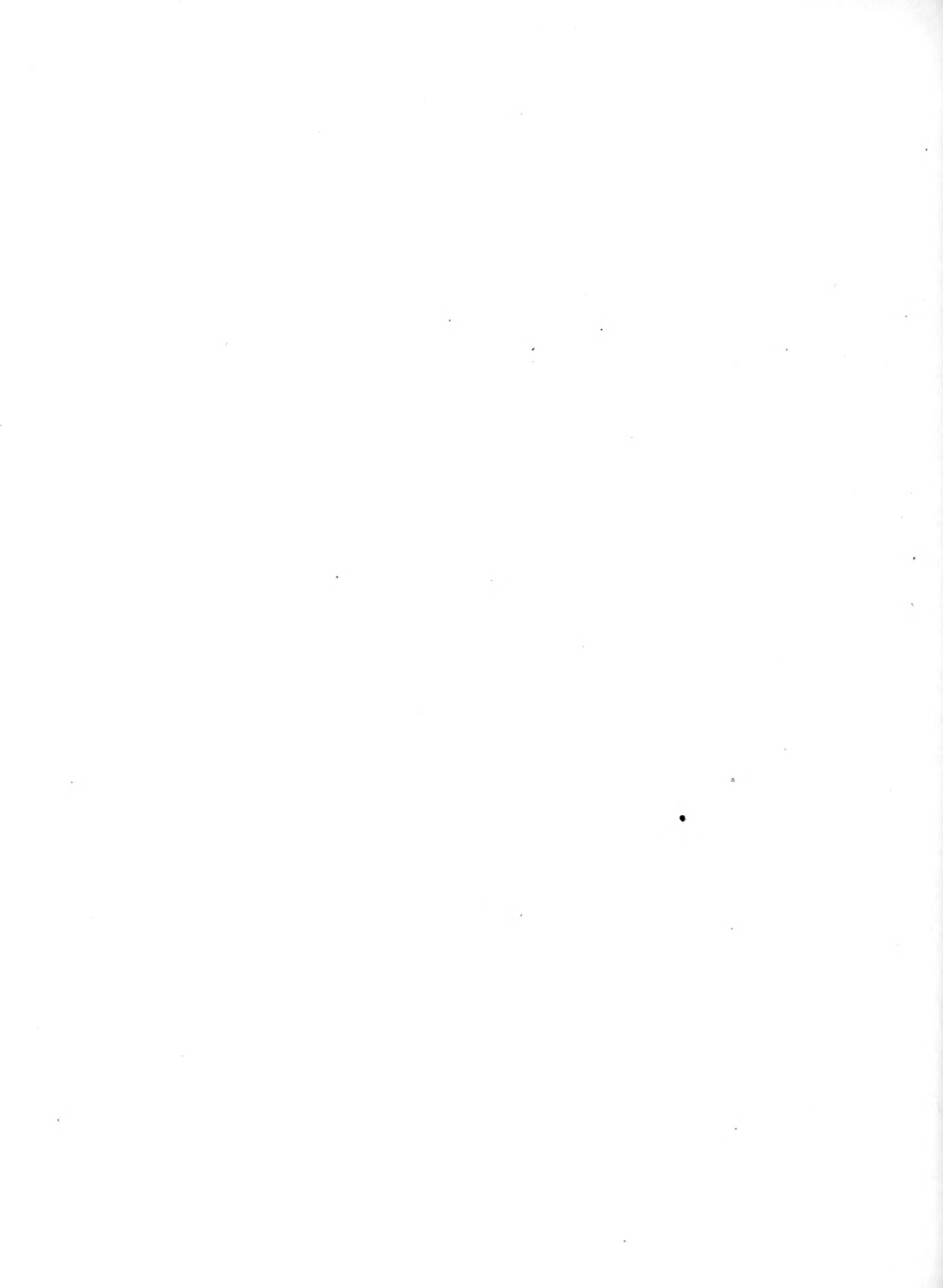
## ABSTRACT OF THE CENSUS—POPULATION.

FEMALES 21 YEARS OF AGE AND OVER, BY DIVISIONS AND STATES: 1910.

Table 12

DIVISION AND STATE.	Total females 21 years of age and over.	WHITE.		NATIVE WHITE.				FOREIGN-BORN WHITE.		NEGRO.		Indian.	Chinese, Japanese, and all other.		
		Number.	Per cent of total.	Native percentage.		Foreign or mixed parentage.		Number.	Per cent of total.	Number.	Per cent of total.				
				Number.	Per cent of total.	Number.	Per cent of total.								
United States.....	24,555,754	22,069,236	89.8	12,484,481	50.8	4,567,647	18.6	5,007,108	20.4	2,427,742	9.9	60,169	8,607		
GEOGRAPHIC DIVISIONS:															
New England.....	2,043,968	2,021,540	98.9	841,264	41.2	428,673	21.0	751,603	36.8	21,822	1.1	573	63		
Middle Atlantic.....	5,608,188	5,464,123	97.4	2,377,232	42.4	1,274,288	22.7	1,812,603	32.3	142,115	2.5	1,690	200		
East North Central.....	5,133,080	5,036,024	98.1	2,516,036	49.0	1,340,723	26.1	1,179,865	23.0	92,698	1.8	4,278	80		
West North Central.....	3,066,774	3,023,305	97.3	1,538,145	51.2	776,397	25.8	608,763	20.3	72,278	2.4	10,135	56		
South Atlantic.....	3,007,118	2,035,590	67.7	1,809,235	60.2	125,998	4.2	100,357	3.3	969,573	32.2	1,904	49		
East South Central.....	2,007,661	1,390,848	68.3	1,283,045	63.0	74,876	3.7	32,927	1.6	645,697	31.7	508	11		
West South Central.....	1,987,760	1,504,766	75.7	1,245,132	62.6	142,047	7.1	117,587	5.9	467,795	23.5	15,132	67		
Mountain.....	614,736	590,116	96.0	320,983	52.2	138,205	22.5	130,928	21.3	6,686	1.1	17,513	421		
Pacific.....	1,117,436	1,002,324	97.8	553,409	49.5	266,440	23.8	272,475	24.4	9,076	0.8	8,436	7,600		
NEW ENGLAND:															
Maine.....	225,736	225,107	99.7	156,663	69.4	25,589	11.3	42,855	19.0	401	0.2	228	.....		
New Hampshire.....	135,372	135,187	99.9	78,394	57.9	19,004	14.0	37,789	27.9	176	0.1	9	.....		
Vermont.....	106,583	106,598	99.7	67,945	63.6	20,234	18.9	18,419	17.2	277	0.3	8	.....		
Massachusetts.....	1,074,485	1,061,602	98.8	363,035	33.8	246,539	22.9	452,028	42.1	12,648	1.2	192	43		
Rhode Island.....	166,391	163,120	98.0	49,955	30.0	40,305	24.2	72,560	43.8	3,178	1.9	86	7		
Connecticut.....	335,131	329,926	98.4	125,272	37.4	77,002	23.0	127,652	38.1	5,142	1.5	50	13		
MIDDLE ATLANTIC:															
New York.....	2,757,521	2,706,523	98.2	927,995	33.7	710,145	25.8	1,068,383	38.7	49,300	1.8	1,502	196		
New Jersey.....	736,659	706,728	96.9	288,821	39.2	166,074	22.5	231,833	34.2	29,866	4.1	26	39		
Pennsylvania.....	2,114,008	2,050,872	97.0	1,160,416	54.9	398,069	18.8	492,387	23.3	62,949	3.0	162	25		
EAST NORTH CENTRAL:															
Ohio.....	1,398,341	1,364,611	97.6	830,354	59.4	314,929	22.5	219,328	15.7	33,653	2.4	33	14		
Indiana.....	770,658	752,208	97.6	577,899	75.0	117,643	15.3	56,666	7.4	18,386	2.4	61	3		
Illinois.....	1,567,491	1,533,014	97.8	647,697	41.3	421,178	26.9	464,139	29.6	34,372	2.2	56	49		
Michigan.....	786,033	778,874	99.1	319,537	40.7	224,713	28.6	234,624	29.8	5,318	0.7	1,833	8		
Wisconsin.....	611,157	607,917	99.5	140,549	23.0	202,260	42.9	205,108	33.6	939	0.2	2,295	6		
WEST NORTH CENTRAL:															
Minnesota.....	512,411	508,195	99.2	111,088	21.7	192,518	37.6	204,589	39.9	2,061	0.4	2,146	9		
Iowa.....	603,644	599,442	99.3	315,389	52.2	175,267	29.0	108,786	18.0	4,124	0.7	73	5		
Missouri.....	896,152	847,997	94.6	588,496	65.7	171,954	19.2	87,547	9.8	48,057	5.4	81	17		
North Dakota.....	122,406	120,780	98.7	29,600	24.2	37,987	31.0	53,193	43.5	158	0.1	1,468	.....		
South Dakota.....	134,187	128,772	96.0	48,349	36.0	43,530	32.4	36,893	27.5	220	0.2	5,188	7		
Nebraska.....	298,040	294,849	98.9	146,645	49.2	79,569	26.7	68,635	23.0	2,369	0.8	806	16		
Kansas.....	439,934	423,270	96.4	298,578	68.0	75,572	17.2	49,120	11.2	15,289	3.5	373	2		
SOUTH ATLANTIC:															
Delaware.....	58,422	50,160	85.8	37,070	63.4	6,573	11.2	6,517	11.2	8,281	14.2	1	.....		
Maryland.....	373,519	309,897	82.9	209,793	56.1	56,820	15.2	43,284	11.6	63,899	17.1	12	11		
District of Columbia.....	116,148	81,662	70.3	55,194	47.5	16,118	13.9	10,350	8.9	34,449	29.7	22	15		
Virginia.....	518,473	333,516	62.2	335,607	64.7	9,333	1.8	8,876	1.6	164,844	31.8	110	3		
West Virginia.....	284,969	270,298	94.9	241,703	84.8	15,872	5.6	12,723	4.5	14,667	5.1	3	1		
North Carolina.....	519,475	358,582	69.0	254,416	68.2	2,316	0.4	1,851	0.4	159,236	30.7	1,655	1		
South Carolina.....	343,958	162,025	47.3	156,965	45.6	3,577	1.0	2,083	0.6	181,264	52.7	65	4		
Georgia.....	613,149	343,187	56.0	330,779	53.9	7,579	1.2	4,829	0.8	269,937	44.0	20	5		
Florida.....	178,085	105,662	59.1	87,708	49.1	7,610	4.3	10,344	5.8	72,998	40.9	16	9		
EAST SOUTH CENTRAL:															
Kentucky.....	579,756	506,299	87.3	441,093	76.1	47,716	8.2	17,490	3.0	73,413	12.7	43	1		
Tennessee.....	542,408	419,646	77.4	400,706	73.9	12,485	2.3	6,455	1.2	122,707	22.6	54	1		
Alabama.....	501,959	284,116	56.6	269,397	53.7	8,402	1.7	6,117	1.2	217,676	43.4	167	.....		
Mississippi.....	412,941	180,787	43.8	171,849	41.6	6,073	1.5	2,565	0.7	231,901	56.2	244	9		
WEST SOUTH CENTRAL:															
Arkansas.....	351,994	248,964	70.7	234,232	66.5	9,140	2.6	5,592	1.6	102,917	29.2	112	1		
Louisiana.....	395,534	222,473	56.3	166,066	42.0	37,276	9.4	19,131	4.8	172,711	43.7	149	21		
Oklahoma.....	356,194	311,266	87.4	276,301	77.6	22,208	6.2	12,757	3.6	30,208	8.5	14,718	2		
Texas.....	884,218	722,063	81.7	568,533	64.3	73,423	8.3	80,107	9.1	161,959	18.3	153	43		
MOUNTAIN:															
Montana.....	81,741	78,331	95.8	34,086	41.7	20,289	24.8	23,956	29.3	553	0.7	2,811	46		
Idaho.....	69,818	68,543	98.2	40,258	57.7	17,043	24.4	11,242	16.1	187	0.3	1,031	57		
Wyoming.....	28,840	27,932	96.9	15,648	54.3	6,209	21.5	6,075	21.1	494	1.7	376	38		
Colorado.....	213,425	209,195	98.0	122,780	57.5	43,805	20.4	42,510	20.1	3,861	1.8	284	85		
New Mexico.....	73,152	68,276	93.3	56,719	77.5	5,494	7.5	6,063	8.3	41	0.6	4,424	11		
Arizona.....	43,391	36,885	84.0	17,337	39.5	7,475	17.0	12,073	27.5	635	1.4	6,329	42		
Utah.....	85,729	84,588	98.7	26,838	31.3	32,901	38.4	24,849	29.0	313	0.4	747	81		
Nevada.....	18,140	16,366	90.2	7,317	40.3	5,159	28.6	3,860	21.3	206	1.1	1,511	61		
PACIFIC:															
Washington.....	277,727	271,828	97.9	141,260	50.9	59,732	21.5	70,836	25.5	1,697	0.6	2,904	1,298		
Oregon.....	168,323	166,191	98.7	104,149	61.9	32,273	19.2	29,769	17.7	443	0.3	1,323	366		
California.....	671,386	634,305	97.5	308,000	45.9	174,435	26.0	171,870	25.6	6,936	1.0	4,209	5,926		





## CHAPTER 3.

### AGE AND MARITAL CONDITION.

#### AGE STATISTICS.

**Introduction.**—This chapter contains a summary of the data relative to age, and to the marital condition of the population, reported at the Thirteenth Census, taken as of April 15, 1910, with comparative figures for prior censuses. Statistics are presented for the geographic divisions, the states, and the principal cities of the United States. Alaska, Hawaii, Porto Rico, and other outlying possessions are not included.

It is impossible to claim entire accuracy for census statistics of age. Some people do not know their true ages; some people seem deliberately to report them incorrectly; and the reports for a good many persons are not made by the persons themselves, but by others who have not exact knowledge as to the age. There is a conspicuous tendency to report ages in round numbers; the number reported as 40 years of age, for example, is far greater than the number reported as either 39 or 41. In the present report, however, individual years are not shown, but only groups of years. When the ages are combined into groups of 5, 10, or more years the margin of error is probably small.

#### UNITED STATES AS A WHOLE.

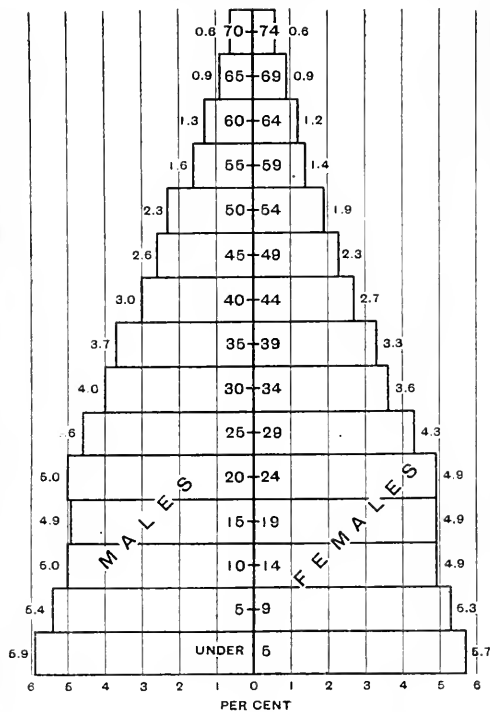
**Classification by 5-year age periods: 1910.**—Table 1, page 122, shows for 1910, by 5-year age periods, the population of the United States as a whole and of each of the principal race, nativity, and parentage classes, with a further distinction according to sex. Table 2 shows the relative importance of the different age groups by means of percentages.

The facts brought out by the tables can be much more clearly seen by means of diagrams. The diagram on this page presents the age distribution of the total population according to sex. The percentages which are shown in connection with the diagram differ from those in Table 2, in order to permit a comparison of the relative number of males and females in each age group. In Table 2 the percentage distribution by age for males is based on the total male population and for females on the total female population, but in the diagram the percentages for each sex are based upon the total population. For example, the diagram shows that males 15 to 19 years of age form 4.9 per cent of the total population while, as shown in Table 2, they form 9.6 per cent of the male population.

Where a population is maintained entirely by natural increase the number at any given year of age will, of course, be determined by the births in a corresponding earlier year, minus the deaths which have occurred among persons born in that year. Since

death claims its victims at all ages, the number of survivors will, under all ordinary conditions, diminish with advancing age, so that if the figures for the two sexes are represented on opposite sides of a vertical axis a diagram showing age distribution takes approximately the form of a pyramid or triangle. The death rate, however, is not uniform at all ages. It is very high during the first year after birth, decreases gradually until about the twelfth year, and then increases slowly until middle life, after which the acceleration is rapid. As the result of these variations, the age diagram for a normal population is not a perfect pyramid, but is slightly bell-shaped. There is also some difference between the two sexes in a normal population with respect to the number born and the death rates at different ages, so that the age diagram would not be altogether symmetrical.

DISTRIBUTION BY AGE PERIODS OF TOTAL POPULATION: 1910.



## DISTRIBUTION BY AGE PERIODS OF THE POPULATION OF THE UNITED STATES: 1910.

Table 1	AGE PERIOD.	ALL CLASSES.			WHITE.			NEGRO.			INDIAN.		
		Both sexes.	Male.	Female.	Both sexes.	Male.	Female.	Both sexes.	Male.	Female.	Both sexes.	Male.	Female.
	All ages.....	91,972,266	47,332,277	44,639,989	81,731,957	42,178,245	39,553,712	9,827,763	4,835,831	4,941,832	265,683	135,133	130,550
	Under 5 years.....	10,631,364	5,380,596	5,250,768	9,322,914	4,728,650	4,594,264	1,263,258	629,320	633,938	40,384	20,202	20,182
	Under 1 year.....	2,217,342	1,123,409	1,093,933	1,955,005	993,242	961,763	252,386	125,459	126,927	8,216	4,127	4,089
	5 to 9 years.....	9,760,632	4,924,123	4,836,509	8,475,173	4,285,366	4,189,807	1,246,553	619,175	627,378	36,541	18,349	18,192
	10 to 14 years.....	9,107,140	4,601,753	4,505,387	7,918,408	4,006,104	3,912,304	1,155,266	578,074	577,192	31,393	16,199	15,194
	15 to 19 years.....	9,063,043	4,527,282	4,536,321	7,988,391	3,999,143	3,989,248	1,060,416	507,945	552,471	28,486	14,612	13,874
	20 to 24 years.....	9,056,984	4,580,290	4,476,694	7,986,411	4,070,355	3,915,456	1,039,795	482,157	548,638	21,844	11,265	10,579
	25 to 29 years.....	8,180,003	4,244,348	3,935,655	7,257,136	3,792,224	3,464,912	881,227	421,805	459,422	18,137	9,237	8,900
	30 to 34 years.....	6,972,185	3,686,768	3,285,417	6,267,276	3,297,169	2,970,107	668,089	332,163	335,926	15,243	7,756	7,487
	35 to 39 years.....	6,396,100	3,307,016	3,029,084	5,731,845	3,024,002	2,707,843	633,449	320,439	312,999	14,834	7,721	7,113
	40 to 44 years.....	5,261,587	2,786,850	2,475,237	4,780,272	2,537,219	2,243,053	455,413	229,680	225,733	11,961	6,126	5,835
	45 to 49 years.....	4,468,197	2,378,916	2,090,281	4,061,062	2,131,848	1,899,214	383,909	199,928	183,981	9,857	5,103	4,754
	50 to 54 years.....	3,900,791	2,110,913	1,790,778	3,555,313	1,915,860	1,639,453	326,070	179,357	146,683	9,343	4,914	4,429
	55 to 59 years.....	2,786,951	1,488,437	1,298,514	2,564,206	1,363,821	1,200,385	209,622	115,090	94,532	7,171	3,706	3,465
	60 to 64 years.....	2,267,150	1,185,966	1,081,184	2,069,323	1,076,733	992,570	186,502	101,149	85,353	6,524	3,332	3,192
	65 to 69 years.....	1,679,503	863,994	815,509	1,549,954	792,310	757,644	123,550	67,956	55,594	4,482	2,259	2,223
	70 to 74 years.....	1,113,728	561,644	552,084	1,030,884	518,888	511,996	78,839	40,584	38,255	3,382	1,601	1,531
	75 to 79 years.....	667,302	331,280	336,022	620,992	307,446	313,546	44,918	22,667	21,351	2,105	883	1,222
	80 to 84 years.....	321,754	153,745	168,009	294,555	141,301	153,254	25,579	11,696	13,883	1,565	695	870
	85 to 89 years.....	122,818	56,335	66,483	110,936	50,843	60,093	11,166	5,164	6,002	691	304	387
	90 to 94 years.....	33,473	14,553	18,920	27,161	11,970	15,191	5,850	2,394	3,456	458	185	273
	95 to 99 years.....	7,391	3,045	4,346	4,757	1,935	2,822	2,447	1,017	1,430	187	93	94
	100 years and over.....	3,553	1,380	2,175	3,356	438	2,918	2,075	1,004	1,071	116	50	66
	Age unknown.....	169,055	114,443	54,612	134,224	94,112	40,112	31,040	17,076	13,964	949	481	468

Table 1—Continued.

AGE PERIOD.	CHINESE, JAPANESE, AND ALL OTHER.			NATIVE WHITE.						FOREIGN-BORN WHITE.		
	Both sexes.	Male.	Female.	Native percentage.			Foreign or mixed parentage.			Both sexes.	Male.	Female.
				Both sexes.	Male.	Female.	Both sexes.	Male.	Female.			
All ages.....	146,863	133,018	13,845	49,488,575	25,229,218	24,259,357	18,897,837	9,425,239	9,472,598	13,345,545	7,523,788	5,821,757
Under 5 years.....	4,778	2,424	2,354	6,546,282	3,326,237	3,220,045	2,674,125	1,350,473	1,323,652	102,507	51,940	50,567
Under 1 year.....	1,135	581	554	1,869,140	966,200	902,940	579,730	293,515	286,215	6,735	3,527	3,208
5 to 9 years.....	2,365	1,223	1,142	5,861,015	2,969,230	2,891,785	2,315,649	1,165,484	1,150,165	238,509	130,632	107,877
10 to 14 years.....	2,473	1,370	1,103	5,324,383	2,700,656	2,623,727	2,235,795	1,124,145	1,111,650	358,330	181,303	177,027
15 to 19 years.....	6,310	5,582	728	5,089,055	2,552,628	2,536,427	2,205,575	1,094,861	1,110,714	673,761	351,754	322,007
20 to 24 years.....	17,934	15,913	2,021	4,682,922	2,332,914	2,350,008	1,873,108	914,121	958,987	1,430,381	823,920	606,461
25 to 29 years.....	23,503	21,082	2,421	4,049,074	2,046,597	2,002,477	1,545,366	755,051	790,315	1,662,696	990,576	672,120
30 to 34 years.....	21,577	19,680	1,897	3,401,601	1,741,559	1,660,042	1,359,960	666,932	693,028	1,505,715	888,668	617,047
35 to 39 years.....	15,972	14,843	1,129	3,045,381	1,580,139	1,465,242	1,278,371	631,836	646,515	1,408,093	812,007	596,086
40 to 44 years.....	13,941	13,223	718	2,450,385	1,273,905	1,176,480	1,026,412	511,795	514,617	1,303,475	731,519	571,956
45 to 49 years.....	12,339	12,037	302	2,071,976	1,081,912	990,064	842,726	433,481	419,245	1,146,390	656,455	489,935
50 to 54 years.....	10,065	9,852	213	1,950,127	1,040,745	909,382	680,131	348,899	331,272	925,055	526,256	398,799
55 to 59 years.....	5,952	5,830	122	1,490,463	789,243	701,220	380,223	194,468	185,755	693,520	380,110	313,410
60 to 64 years.....	4,801	4,732	69	1,227,454	635,425	592,060	314,306	169,414	104,892	627,583	331,914	295,669
65 to 69 years.....	1,517	1,469	48	981,607	470,750	460,857	129,930	66,144	63,806	488,397	255,416	232,981
70 to 74 years.....	623	611	12	623,594	310,780	312,814	70,323	35,357	34,966	336,967	172,751	164,216
75 to 79 years.....	187	184	3	378,823	185,109	193,714	33,957	16,925	17,032	208,212	105,412	102,800
80 to 84 years.....	55	53	2	179,251	84,278	94,973	14,014	6,761	7,253	101,290	50,262	51,028
85 to 89 years.....	25	24	1	67,966	30,166	37,800	5,537	2,596	2,941	37,433	18,081	19,352
90 to 94 years.....	4	4	.....	16,632	7,641	9,291	1,495	756	739	9,034	4,193	4,841
95 to 99 years.....	.....	.....	.....	2,756	1,043	1,711	278	133	145	1,723	767	956
100 years and over.....	.....	.....	.....	439	180	259	32	20	12	293	126	167
Age unknown.....	2,842	2,774	68	97,509	68,769	28,740	10,504	5,637	4,867	26,211	19,706	6,505

# AGE DISTRIBUTION.

123

PER CENT DISTRIBUTION BY AGE PERIODS OF THE POPULATION OF THE UNITED STATES: 1910.

Table 2

AGE PERIOD.	ALL CLASSES.			WHITE.			NEGRO.			INDIAN.		
	Both sexes.	Male.	Female.	Both sexes.	Male.	Female.	Both sexes.	Male.	Female.	Both sexes.	Male.	Female.
All ages.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	11.6	11.4	11.8	11.4	11.2	11.6	12.9	12.9	12.8	15.2	14.9	15.5
Under 1 year.....	2.4	2.4	2.5	2.4	2.4	2.4	2.6	2.6	2.6	3.1	3.1	3.1
5 to 9 years.....	10.6	10.4	10.8	10.4	10.2	10.6	12.7	12.7	12.7	13.8	13.6	13.9
10 to 14 years.....	9.9	9.7	10.1	9.7	9.5	9.9	11.8	11.8	11.7	11.8	12.0	11.6
15 to 19 years.....	9.9	9.6	10.2	9.7	9.5	10.0	10.8	10.4	11.2	10.7	10.8	10.6
20 to 24 years.....	9.8	9.7	10.0	9.8	9.7	9.9	10.5	9.9	11.1	8.2	8.3	8.1
25 to 29 years.....	8.9	9.0	8.8	8.9	9.0	8.8	9.0	8.6	9.3	6.8	6.8	6.8
30 to 34 years.....	7.6	7.7	7.4	7.7	7.8	7.5	6.8	6.8	6.8	5.7	5.7	5.7
35 to 39 years.....	7.0	7.1	6.8	7.0	7.2	6.8	6.4	6.6	6.3	5.6	5.7	5.4
40 to 44 years.....	5.7	5.9	5.5	5.8	6.0	5.7	4.6	4.7	4.6	4.5	4.5	4.5
45 to 49 years.....	4.9	5.0	4.7	5.0	5.1	4.8	3.9	4.1	3.8	3.7	3.8	3.7
50 to 54 years.....	4.2	4.5	4.0	4.8	4.5	4.1	3.3	3.7	3.0	3.5	3.6	3.4
55 to 59 years.....	3.0	3.1	2.9	3.1	3.2	3.0	2.1	2.4	1.9	2.7	2.7	2.7
60 to 64 years.....	2.5	2.5	2.4	2.5	2.6	2.5	1.9	2.1	1.7	2.5	2.5	2.4
65 to 69 years.....	1.8	1.8	1.8	1.9	1.9	1.9	1.3	1.4	1.1	1.7	1.7	1.7
70 to 74 years.....	1.2	1.2	1.2	1.3	1.2	1.3	0.8	0.8	0.8	1.3	1.2	1.4
75 to 79 years.....	0.7	0.7	0.8	0.8	0.7	0.8	0.4	0.5	0.4	0.8	0.7	0.9
80 to 84 years.....	0.3	0.3	0.4	0.4	0.3	0.4	0.3	0.2	0.3	0.6	0.5	0.7
85 to 89 years.....	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.3	0.2	0.3
90 to 94 years.....	(1)	(1)	(1)	(1)	(1)	(1)	0.1	(1)	0.1	0.2	0.1	0.2
95 to 99 years.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	0.1	0.1	0.1
100 years and over.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	0.1
Age unknown.....	0.2	0.2	0.1	0.2	0.2	0.1	0.3	0.3	0.3	0.4	0.4	0.4

Table 2—Continued.

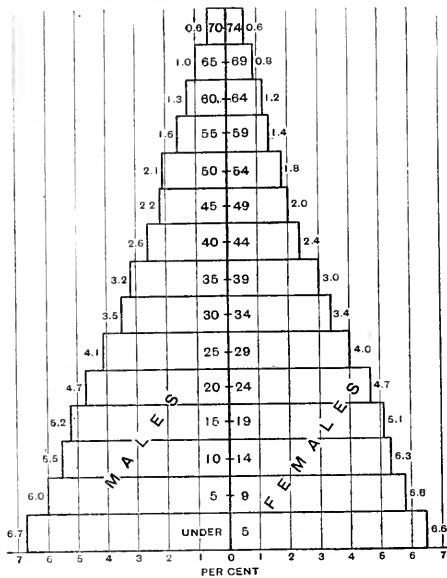
AGE PERIOD.	CHINESE, JAPANESE, AND ALL OTHER.			NATIVE WHITE.						FOREIGN-BORN WHITE.		
	Both sexes.	Male.	Female.	Native parentage.			Foreign or mixed parentage.			Both sexes.	Male.	Female.
				Both sexes.	Male.	Female.	Both sexes.	Male.	Female.			
All ages.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	3.3	1.8	17.0	13.2	13.2	13.3	14.2	14.3	14.0	0.8	0.7	0.9
Under 1 year.....	0.8	0.4	4.0	2.8	2.8	2.8	3.1	3.1	3.0	0.1	(1)	0.1
5 to 9 years.....	1.6	0.9	8.2	11.8	11.8	11.9	12.3	12.4	12.1	2.2	2.0	2.5
10 to 14 years.....	1.4	1.0	5.0	10.8	10.7	10.8	11.8	11.9	11.7	2.7	2.4	3.0
15 to 19 years.....	4.3	4.2	5.3	10.3	10.1	10.5	11.7	11.6	11.7	5.0	4.7	5.5
20 to 24 years.....	12.2	12.0	14.6	9.5	9.2	9.7	9.9	9.7	10.1	10.7	11.0	10.4
25 to 29 years.....	16.0	15.8	17.5	8.2	8.1	8.3	8.2	8.0	8.3	12.5	13.2	11.5
30 to 34 years.....	14.7	14.8	13.7	6.9	6.9	6.8	7.2	7.1	7.3	11.3	11.8	10.6
35 to 39 years.....	10.9	11.2	8.2	6.2	6.3	6.0	6.8	6.7	6.8	10.6	10.8	10.2
40 to 44 years.....	9.5	10.0	4.4	5.0	5.0	4.8	5.4	5.4	5.4	9.8	10.0	9.5
45 to 49 years.....	8.4	9.0	2.2	4.2	4.3	4.1	4.5	4.5	4.4	8.6	8.7	8.4
50 to 54 years.....	6.9	7.4	1.5	3.9	4.1	3.7	3.6	3.7	3.5	6.9	7.0	6.9
55 to 59 years.....	4.1	4.4	1.0	3.0	3.1	2.9	2.0	2.1	2.0	5.2	5.1	5.4
60 to 64 years.....	3.3	3.6	0.5	2.5	2.5	2.4	1.1	1.2	1.1	4.7	4.4	5.1
65 to 69 years.....	1.0	1.1	0.3	1.9	1.9	1.9	0.7	0.7	0.7	3.7	3.4	4.0
70 to 74 years.....	0.4	0.5	0.1	1.3	1.2	1.3	0.4	0.4	0.4	2.6	2.3	2.8
75 to 79 years.....	0.1	0.1	(1)	0.8	0.7	0.8	0.2	0.2	0.2	1.6	1.4	1.8
80 to 84 years.....	(1)	(1)	(1)	0.4	0.3	0.4	0.1	0.1	0.1	0.8	0.7	0.9
85 to 89 years.....	(1)	(1)	(1)	0.1	0.1	0.2	(1)	(1)	(1)	0.3	0.2	0.3
90 to 94 years.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	0.1	0.1	0.1
95 to 99 years.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
100 years and over.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Age unknown.....	1.9	2.1	0.5	0.2	0.3	0.1	0.1	0.1	0.1	0.2	0.3	0.1

Less than one-tenth of 1 per cent.

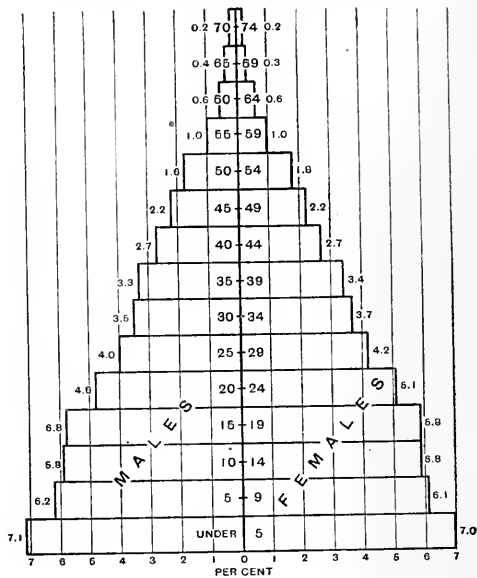
## ABSTRACT OF THE CENSUS—POPULATION.

## DISTRIBUTION BY AGE PERIODS OF THE PRINCIPAL CLASSES OF THE POPULATION: 1910.

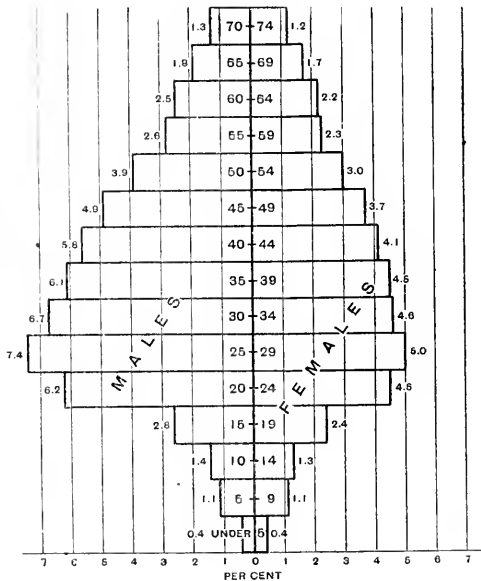
NATIVE WHITE OF NATIVE PARENTAGE.



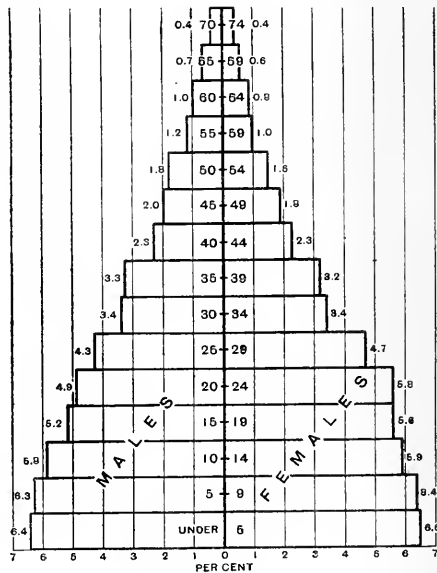
NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE.



FOREIGN-BORN WHITE.



NEGRO.





In the case of the United States the distribution by age, and more especially by sex at different ages, is materially affected by the presence of the foreign born. The immigrants are mostly of adult age when they arrive in this country and comprise more males than females. Consequently the bars in the diagram on page 124 representing the age periods of adult life are somewhat longer than they would be for a population recruited solely by natural increase, and the side of the diagram representing the males is extended disproportionately.

The wide differences in the age distribution of the principal classes of the population are best shown by the four accompanying diagrams, which relate to the native whites of native parentage, the native whites of foreign or mixed parentage, the foreign-born whites, and the negroes, respectively.

No two of these diagrams are identical in form, and the only one whose shape has not been influenced more or less by immigration is that representing the negro population. The extraordinary character of the age distribution of the foreign-born whites is obvious at a glance. The number in the older age groups actually exceeds materially the number in the younger age groups, which is not true of any of the native classes. The great excess of males over females in this class is also conspicuously shown. The sex and age distribution of the Chinese and Japanese, who are largely foreign born, is also highly abnormal, as shown by Table 2.

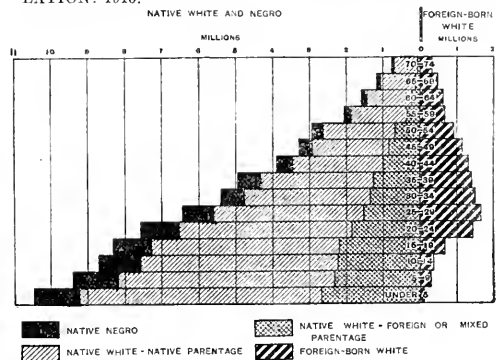
The influence of the foreign born upon the age distribution of our population does not cease upon their arrival in this country. The children born to them after their arrival are, of course, included with the native population, and if the total native population were shown by ages it would be found that the number of children was relatively somewhat greater than would be the case if the population were recruited solely by natural increase. This condition is brought out especially by the diagram showing the native white population of foreign or mixed parentage. In this group the proportion of children is somewhat larger, and the proportion of persons in the most advanced age groups much smaller, than in the case of the native white population of native parentage or the negro population. This is largely due to the fact that immigration to this country has greatly increased in volume in recent years. If immigration should fall off or cease altogether, it is obvious that after a time the age composition of the second generation, consisting of the children born of immigrants, would become abnormal in having an unduly small—instead of an unduly large—proportion of persons in the younger age periods.

Even the native white population of native parentage is indirectly affected in its age distribution by immigration, since the children of the native whites of foreign or mixed parentage are included in the class of natives of native parentage. Nevertheless, the age

distribution of the native whites of native parentage in the United States as a whole corresponds very closely to that of a normal population unaffected by migration. A comparison of the diagram for this class with that for the negroes, therefore, indicates approximately the relative tendencies of the two races with respect to birth and mortality rates. Among the native whites of native parentage the percentage of persons in the older age groups is higher than among the negroes. Doubtless this difference is partly due to a lower death rate among the native whites than among the negroes, but it may also be affected by the relative birth rate of the two classes or by changes in the birth rate within the same class. A decline in the birth rate is a factor which tends to reduce the relative importance of the younger age groups and increase that of the older. It is practically certain that the birth rate in the case of the white population of native stock has been steadily declining for many years. If there is a similar tendency among the negroes it is probably of more recent origin than in the case of the whites. The proportion of persons under 5 years of age is, however, also higher for the native whites of native parentage than for the negroes, doubtless partly because of the high infant mortality among negroes.

The diagram below, based on absolute numbers, is designed to show primarily the contrast in age distribution between the native white and native negro population and the foreign-born white population.

DISTRIBUTION BY AGE PERIODS OF NATIVE WHITE AND NEGRO AND OF FOREIGN-BORN WHITE POPULATION: 1910.



**Classification by broader age periods: 1910.**—For many purposes it is desirable to adopt an age classification which is less detailed than the one used in the preceding tables and diagrams and at the same time corresponds approximately to certain well-recognized periods of life. Thus, the years under 5 may be roughly designated as early childhood; those from 5 to 14 as the school period; those from 15 to 24 as the period of youth; those from 25 to 44 as the prime of life; those from 45 to 64 as middle or late middle life; and those 65 and over as old age.

Table 3 shows, for 1910, the distribution of the total population of the United States and of the principal race, nativity, and parentage classes by sex according to these six age periods. In this, as in most of the following tables, the insignificant number of unknown age is not shown separately, but is included in the totals upon which the percentages for the several age periods are based. The percentages would scarcely differ at all if they were based on the population of known age instead of the total population.

TABLE 3 CLASS OF POPULATION AND AGE PERIOD.	POPULATION, 1910			PER CENT.			Males to 100 fe- males.
	Total.	Male.	Female.	Total.	Male.	Female.	
<b>Total population.....</b>	<b>91,372,226</b>	<b>47,332,277</b>	<b>44,039,949</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Under 5 years.....	10,631,364	5,350,560	5,280,783	11.6	11.4	11.8	102.5
5 to 14 years.....	18,867,772	9,525,576	9,342,196	20.5	20.1	20.9	102.0
15 to 24 years.....	18,120,587	9,107,572	9,013,015	19.7	19.2	20.2	101.0
25 to 44 years.....	26,809,875	14,054,822	12,755,053	29.1	29.7	28.6	110.2
45 to 64 years.....	13,424,089	7,163,332	6,260,757	14.6	15.1	14.0	114.4
65 years and over.....	3,949,524	1,985,876	1,963,648	4.3	4.4	4.4	101.1
<b>Native white—Native parentage.....</b>	<b>48,488,575</b>	<b>25,228,218</b>	<b>24,260,357</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>104.0</b>
Under 5 years.....	6,546,282	3,326,237	3,220,045	13.2	13.2	13.3	103.3
5 to 14 years.....	11,185,298	5,699,896	5,515,412	22.6	22.5	22.7	102.8
15 to 24 years.....	9,771,977	4,985,422	4,886,555	19.7	19.4	20.1	102.0
25 to 44 years.....	15,475,241	8,646,210	6,829,031	28.6	28.6	28.6	105.4
45 to 64 years.....	6,740,000	3,547,325	3,192,675	13.6	14.1	13.2	111.1
65 years and over.....	2,201,068	1,089,349	1,111,719	4.4	4.3	4.6	98.0
<b>Native white—Foreign or mixed parentage.....</b>	<b>18,897,837</b>	<b>9,425,239</b>	<b>9,472,598</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>99.5</b>
Under 5 years.....	2,674,125	1,350,473	1,323,652	14.2	14.3	14.0	102.0
5 to 14 years.....	4,551,444	2,289,629	2,261,815	24.1	24.3	23.8	101.2
15 to 24 years.....	4,078,683	2,005,823	2,062,860	21.4	21.3	21.8	97.1
25 to 44 years.....	5,210,109	2,565,634	2,644,475	27.6	27.2	27.9	97.0
45 to 64 years.....	2,117,386	1,076,222	1,041,164	11.2	11.4	11.0	103.4
65 years and over.....	265,586	128,662	136,924	1.4	1.4	1.3	101.4
<b>Foreign-born white.....</b>	<b>13,345,545</b>	<b>7,523,783</b>	<b>5,821,762</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>129.2</b>
Under 5 years.....	1,025,507	511,940	503,567	6.8	6.7	6.9	102.7
5 to 14 years.....	659,839	325,450	334,389	4.9	4.4	5.6	102.2
15 to 24 years.....	2,104,142	1,175,674	928,468	15.8	15.6	15.9	126.6
25 to 44 years.....	5,879,979	3,442,770	2,437,209	44.1	46.8	41.9	141.3
45 to 64 years.....	3,392,818	1,894,735	1,497,783	25.4	26.2	25.7	126.5
65 years and over.....	1,183,349	607,008	576,341	8.9	8.1	9.9	105.3
<b>Negro.....</b>	<b>9,827,763</b>	<b>4,885,891</b>	<b>4,941,872</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>93.9</b>
Under 5 years.....	1,263,288	629,320	633,968	12.9	12.9	12.8	99.3
5 to 14 years.....	2,401,819	1,197,249	1,204,570	24.4	24.5	24.4	99.4
15 to 24 years.....	2,691,221	1,350,102	1,341,119	27.3	26.3	28.3	89.9
25 to 44 years.....	2,638,178	1,304,095	1,334,083	26.8	26.8	27.0	97.8
45 to 64 years.....	1,108,103	595,554	512,549	11.3	12.2	10.4	116.2
65 years and over.....	294,124	152,852	141,272	3.0	3.1	2.9	107.7
<b>Indian.....</b>	<b>265,683</b>	<b>135,133</b>	<b>130,550</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>103.6</b>
Under 5 years.....	40,384	20,202	20,182	15.2	14.9	15.5	100.1
5 to 14 years.....	67,934	34,543	33,391	25.6	25.6	25.6	103.5
15 to 24 years.....	104,559	55,977	48,582	39.4	38.1	40.7	105.9
25 to 44 years.....	60,175	30,840	29,335	22.6	22.8	22.5	105.1
45 to 64 years.....	32,925	17,055	15,870	12.4	12.6	12.2	107.5
65 years and over.....	12,986	6,130	6,856	4.9	4.5	5.3	89.4
<b>Chinese, Japanese, and all other.....</b>	<b>146,863</b>	<b>133,018</b>	<b>13,845</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>960.8</b>
Under 5 years.....	4,778	2,424	2,354	3.3	3.1	3.5	103.0
5 to 14 years.....	4,438	2,609	1,829	3.0	2.9	3.2	102.6
15 to 24 years.....	21,454	11,455	9,999	14.6	13.9	15.3	103.9
25 to 44 years.....	74,993	38,930	36,063	51.1	51.8	50.4	136.9
45 to 64 years.....	33,157	32,441	716	22.6	24.4	5.2	4,530.9
65 years and over.....	2,411	2,345	66	1.6	1.8	0.5	(1)

<sup>1</sup> Ratio not shown, the number of females being less than 100.

For convenience of comparison, the per cent distribution of the totals for the several classes shown in Table 3 is reproduced in Table 4.

TABLE 4 AGE PERIOD.	NATIVE WHITE.			Negro.	Indian.	Chinese, Japa- nese, and all other.
	Total.	Native parent- age.	Foreign or mixed parent- age.			
<b>All ages.....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Under 5 years.....	11.6	13.2	14.2	0.8	12.9	15.2
5 to 14 years.....	20.5	22.6	24.1	4.9	24.4	26.6
15 to 24 years.....	19.7	19.7	21.6	15.8	21.3	18.9
25 to 44 years.....	29.1	26.2	27.6	44.1	26.8	22.6
45 to 64 years.....	14.6	13.6	11.2	25.4	11.3	12.4
65 years and over.....	4.3	4.4	4.4	8.9	3.0	4.9

Of the population of the country as a whole in 1910, children under 5 years of age formed 11.6 per cent; children from 5 to 14, 20.5 per cent; young persons from 15 to 24, 19.7 per cent; men and women from 25 to 44, 29.1 per cent; those from 45 to 64, 14.6 per cent; and those of 65 and over, 4.3 per cent. Table 4 shows clearly the differences already noted among the several classes of the population. Thus among native whites of foreign or mixed parentage children under 5 in 1910 formed 14.2 per cent of the total, the corresponding percentage for native whites of native parentage being 13.2; on the other hand, only 12.6 per cent of the former were 45 years of age and over, as compared with 18.1 per cent of the latter. Conspicuously large is the proportion of the foreign-born whites who are in the prime of life, the percentage of this class in the age period 25 to 44 being 44.1, as compared with 26.2 per cent for the native whites of native parentage, 27.6 for the native whites of foreign or mixed parentage, and 26.8 for the negroes.

Table 3 facilitates comparisons of the relative numbers of the two sexes in different age periods. In the total population of the country males outnumber females in each of the six age periods designated, the excess being particularly great in the age periods 25 to 44 and 45 to 64, where the disparity of the sexes among immigrants has its greatest effect. While, as already stated, the general age distribution of the native whites of native parentage, and still more, that of the native whites of foreign or mixed parentage, is indirectly affected by immigration, the relative numbers of the two sexes in those classes are, of course, independent of immigration and depend solely upon differences in the numbers of males and females born and the numbers dying at different ages. Among the native whites of native parentage the males, according to the returns, somewhat exceed the females in the two youngest age periods shown in the table and are again in excess in the age period 45 to 64, but in the period 15 to 24 years the females slightly outnumbered the males.

It is not easy to explain why the figures show such a marked excess of males over females in the native white population of native parentage, and more particularly why this excess should be largely concentrated in the age groups from 25 to 64 years of age. If these conditions actually exist, they would seem to indicate a much higher death rate among females than among males in the most active period of life, followed by a higher death rate among males in the later years. It is improbable, however, that any differences in the death rates of the two sexes wholly explain these conditions. The reported age distribution of the two sexes and therefore the sex ratio by age groups may be affected by a greater tendency on the part of females to understate their age. It is not improbable, furthermore, that some persons of foreign birth or of native birth and foreign parentage are returned at the census as natives of native parentage.

This error would be more likely to occur in the case of males than of females, for the reason that the former predominate among the foreign born and for the further reason that the floating population, for which accurate information is difficult to obtain, consists mostly of males. It is possible also that the returns are affected in some slight degree by duplications, and this source of error would also be more apt to exaggerate the number of men than of women, for the reason that men are more likely to be away from home and therefore are more liable to be counted twice, once where they are and again where they reside when at home.

Among the native whites of foreign or mixed parentage the females are in excess both in the age period 15 to 24 and in that from 25 to 44, but the males are in excess in the most advanced age period as well as in the younger ages. Among negroes also the conditions are quite different from those among native whites of native parentage. Females outnumber males in all of the age periods specified up to 44 years, but males are considerably in excess in the periods 45 to 64 and 65 years and over.

Comparing the percentages in the several age groups for the two sexes, it will be seen that the greatest disparity in the case of the native whites of native parentage is in the age period 45 to 64 years, which in 1910 comprised 14.1 per cent of the males but only 13.2 per cent of the females. On the other hand, only 4.3 per cent of the males in this class were 65 years of age and over, as compared with 4.6 per cent of the females. For the negroes the most conspicuous differences between males and females were in the age period 15 to 24 years, which comprised a decidedly larger proportion of the total number of females than of the total number of males, and in the age period 45 to 64 years, in which the opposite was the case.

**Comparison with previous censuses.**—Table 5 shows the age distribution of the total population of the United States in 1910 and 1900, respectively, by five-year periods. The differences between the two censuses, while significant, are too small to be very clearly shown by means of a diagram.

The proportion of the total population in each of the age periods under 15 years was smaller in 1910 than in 1900, while the proportion for the periods from 20 to 69 years, inclusive, was greater in 1910 than in 1900. The change which is thus shown for the past decade is a continuation of a tendency manifest for some time past. In 1880, 26.7 per cent of the population was under ten years of age; in 1890, 24.3 per cent; in 1900, 23.7 per cent; and in 1910, 22.2 per cent. Such a change might be due to any one or more of three causes—a declining birth rate, a change in mor-

tality rates, or increased immigration. Doubtless the first and third causes are actually operative. Mortality statistics, however, indicate that there has been a relatively greater reduction in death rates among children than among adults; consequently unless the birth rate had fallen off considerably one would have expected, after allowing for other factors, a larger proportion of children in 1910 than in 1900.

**Table 5**

AGE PERIOD.	TOTAL POPULATION.		PER CENT OF TOTAL.	
	1910	1900	1910	1900
All ages.....	91,972,266	75,994,576	100.0	100.0
Under 5 years.....	10,631,364	9,170,628	11.6	12.1
Under 1 year.....	2,217,342	1,916,892	2.4	2.5
5 to 9 years.....	9,760,432	8,874,123	10.6	11.7
10 to 14 years.....	9,107,140	8,080,244	9.9	10.6
15 to 19 years.....	9,063,603	7,556,089	9.9	9.9
20 to 24 years.....	9,056,984	7,335,016	9.8	9.7
25 to 29 years.....	8,180,003	6,529,441	8.9	8.6
30 to 34 years.....	6,972,185	5,556,039	7.6	7.3
35 to 39 years.....	6,394,100	4,964,781	7.0	6.5
40 to 44 years.....	5,261,587	4,247,166	5.7	5.6
45 to 49 years.....	4,469,197	3,464,612	4.9	4.5
50 to 54 years.....	3,900,791	2,942,829	4.2	3.9
55 to 59 years.....	2,796,951	2,211,172	3.0	2.9
60 to 64 years.....	2,267,150	1,791,363	2.5	2.4
65 to 69 years.....	1,679,503	1,302,926	1.8	1.7
70 to 74 years.....	1,113,728	883,841	1.2	1.2
75 to 79 years.....	667,302	519,857	0.7	0.7
80 to 84 years.....	321,754	231,512	0.3	0.3
85 to 89 years.....	122,818	88,600	0.1	0.1
90 to 94 years.....	33,473	23,952	( <sup>1</sup> )	( <sup>1</sup> )
95 to 99 years.....	7,391	6,265	( <sup>1</sup> )	( <sup>1</sup> )
100 years and over.....	3,555	3,504	( <sup>1</sup> )	( <sup>1</sup> )
Age unknown.....	169,055	200,584	0.2	0.3

<sup>1</sup> Less than one-tenth of 1 per cent.

It may be noted that the proportion of centenarians, according to the census returns, was less in 1910 than in 1900. In fact, the proportion has steadily decreased from census to census for over half a century. The number of centenarians reported in 1910 was equal to 4 for each 100,000 of the total population, while the corresponding ratio in 1850 was 11. It is improbable that any such decrease in longevity has actually occurred. By no means have all those who report themselves as 100 years old or more, in fact, reached that age, and the apparent reduction in the proportion of centenarians is probably due to greater accuracy in the returns.

Table 6 compares the distribution of the population at the last two censuses, by classes, among a more limited number of age periods.

The most significant statistics in this table are those for the native whites of native parentage and the negroes, since the age distribution of these two classes is the least distorted by the influence of immigration. In both of these classes the proportion in the younger age periods was somewhat smaller in 1910 than in 1900, and the proportion in the older age periods somewhat greater.

Table 6

AGE PERIOD.	ALL CLASSES.		NATIVE WHITE.				FOREIGN-BORN WHITE.		NEGRO.	
	Native parentage.		Foreign or mixed parentage.							
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
All ages, number <sup>1</sup> .....	91,972,266	75,994,575	49,488,575	40,949,362	18,897,837	15,646,017	13,345,545	10,213,817	9,827,763	8,833,994
Under 5 years.....	10,631,364	9,170,628	5,464,282	5,464,881	2,674,125	2,402,702	102,507	52,369	1,263,288	1,215,655
5 to 14 years.....	18,867,772	16,954,357	11,185,298	9,834,010	4,551,444	4,304,197	656,839	438,757	2,401,819	2,394,748
15 to 24 years.....	18,120,587	15,891,105	9,771,977	8,940,532	4,078,683	3,356,343	2,104,142	1,481,228	2,091,211	1,951,194
25 to 44 years.....	26,809,875	21,297,427	12,946,441	10,272,124	5,210,109	4,393,428	5,879,979	4,414,590	2,638,178	2,133,989
45 to 64 years.....	13,424,089	10,399,976	6,740,000	5,569,928	2,117,386	1,039,960	3,392,518	2,831,646	1,108,103	858,234
65 years and over.....	3,949,524	3,080,498	2,201,068	1,715,226	255,586	141,146	1,183,349	950,347	294,124	261,363
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	11.6	12.1	13.2	13.3	14.2	15.4	0.8	0.5	12.9	13.8
5 to 14 years.....	20.5	22.3	22.6	24.0	24.1	27.5	4.9	4.5	24.4	26.0
15 to 24 years.....	19.7	19.6	19.7	19.6	21.6	21.5	14.5	14.5	21.3	22.1
25 to 44 years.....	29.1	28.0	26.8	25.1	27.6	28.1	44.1	43.2	26.8	23.8
45 to 64 years.....	14.6	13.7	13.6	13.5	11.2	6.6	25.4	27.7	11.3	10.8
65 years and over.....	4.3	4.1	4.4	4.2	1.4	0.9	8.9	9.3	3.0	3.0

<sup>1</sup>Includes a small number of persons of unknown age.

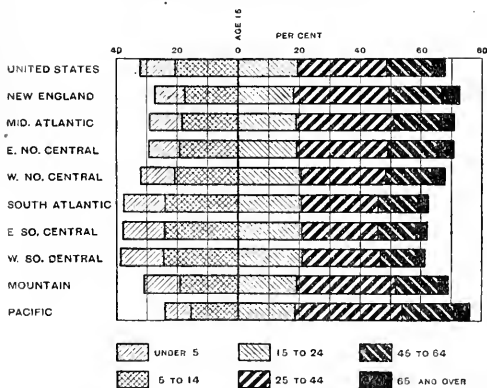
## DIVISIONS AND STATES.

Geographic divisions.—That very considerable differences exist among the divisions of the country with respect to the age distribution of the population will be seen from Table 7 and the accompanying diagram, which show, by percentages, the distribution of the total population of each of the nine geographic divisions in 1910 among certain broad age groups.

Table 7

AGE PERIOD.	PER CENT OF TOTAL POPULATION: 1910									
	New England.	Middle Atlantic.	East North-Central.	West North-Central.	South Atlantic.	East South-Central.	West South-Central.	Mountain.	Pacific.	
All ages.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Under 5 years.....	9.8	10.5	10.5	11.3	13.6	13.8	14.1	11.6	8.6	
5 to 14 years.....	17.4	18.4	19.1	20.6	24.0	24.3	24.7	19.5	15.6	
15 to 24 years.....	18.3	18.4	18.3	20.2	20.4	20.4	20.6	19.2	18.7	
25 to 44 years.....	31.4	31.7	29.8	28.4	25.8	25.4	26.0	32.4	35.1	
45 to 64 years.....	17.1	15.4	16.1	14.8	12.6	12.4	11.6	14.0	16.9	
65 years and over.....	5.9	4.4	5.1	4.6	3.6	3.5	2.8	3.0	4.5	

## DISTRIBUTION BY AGE PERIODS OF TOTAL POPULATION BY DIVISIONS: 1910.



The factors producing these differences in age distribution are complex. The racial composition of the population, the extent to which it has been recruited by immigration from abroad and the periods at which such immigration has chiefly occurred, the relative

proportions of urban and rural population, and the degree in which the population has gained or lost through interstate migration are important causes affecting the age distribution of the population of the several divisions, aside from the birth rates and death rates.

In each of the four northern divisions, persons in the younger age periods form a smaller proportion of the total population, and those in the more advanced age periods a larger proportion, than in any of the three southern divisions. In considering these differences it should be borne in mind that the northern divisions contain relatively a much larger urban population than the southern, and that they have received relatively far more foreign immigrants, while, on the other hand, the South has many more negroes than the North. The age period 25 to 44 years comprises a larger proportion of the total population in the Mountain and Pacific divisions than in any other division.

Table 11, pages 131 and 132, shows, by divisions, the age distribution of the total population and of the principal race, nativity, and parentage classes in 1910, with comparative figures for 1900. A detailed study of the absolute numbers and percentages for the several classes will help to explain the differences among the several divisions as regards the age distribution of the total population. It is of particular interest to compare these statistics with reference to the native whites of native parentage—a class which is largely represented in every geographic division, and whose age distribution is little affected by immigration from abroad, although much affected by migration from one division to another. For this class, considered by itself, differences in age distribution appear between the North, the South, and the West which correspond approximately to the differences between these sections with respect to the age distribution of the total population. There are relatively fewer children and relatively more persons in the prime of life and the older ages, in the northern divisions than in the southern. One explanation for this fact may be that the birth rate has declined in the North more than in the South. In fact, the North has lost more people in the prime of life by migration to the West than has the South, and had there been no

interstate migration a still greater disparity would probably appear between the North and the South in the age distribution of the native whites of native parentage.

The most conspicuous contrast is that between the New England division and the West South Central. In the former in 1910 only 9.6 per cent of the native whites of native parentage were children under 5 years of age, while 29.2 per cent were 45 years of age and over. In the West South Central division 15.2 per cent of the persons in this class were under 5 years of age, and only 13.5 per cent were 45 years of age and over.

Although the Mountain and Pacific divisions differ considerably from each other with respect to the age distribution of the native whites of native parentage, in both, as in the case of the total population of all classes, persons from 25 to 44 years of age—the most active ages—constitute a larger proportion of the population of this class than in any of the other divisions. This is undoubtedly due chiefly to migration, especially from the northern divisions, to the West.

**States.**—Table 12, pages 133 to 135, shows, in absolute numbers, by states, the age distribution of the total population and of each of the four most important color or race, nativity, and parentage classes. Table 13, page 136, presents percentages by age periods for the total population of each state. In interpreting the differences among the states, the causes already mentioned as affecting the conditions in the several geographic divisions should be borne in mind.

#### URBAN AND RURAL COMMUNITIES.

Urban and rural communities differ greatly with respect to the age distribution of the population, as appears from Table 8, which gives statistics for the United States as a whole in 1910, and from the accompanying diagram, which groups the ages into three main periods. Urban communities, as defined by the Census Bureau, comprise all incorporated places of 2,500 inhabitants or more, including New England towns of that size.

The absolute numbers presented in this table are quite as significant as the percentages. In the United States as a whole there are many more persons in each of the age groups comprising persons under 20 years of age in the rural communities than in the urban communities, but in each of the age groups comprising persons from 20 to 54 years of age, which embrace the most active period of life, there are more persons in urban than in rural communities. On the other hand, the rural communities contained more persons in advanced middle life and old age. The urban communities contained in 1910 considerably less than half (46.3 per cent) of the total population of the country of all ages, but they contained over half (51.8 per cent) of the persons between 20 and 54 years of age. There were 22,925,133 persons between 20 and 54

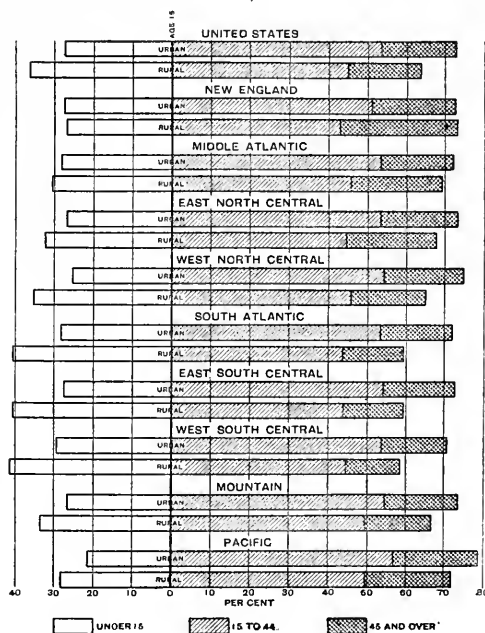
in urban communities, as compared with 21,311,714 in rural communities. Such persons constituted 53.8 per cent of the total urban population, but only 43.2 per cent of the rural.

AGE PERIOD.	POPULATION: 1910		PER CENT OF TOTAL.	
	Urban.	Rural.	Urban.	Rural.
All ages <sup>1</sup> .....	42,623,383	49,348,883	100.0	100.0
Under 5 years.....	4,200,291	6,431,073	9.9	13.0
5 to 9 years.....	3,773,917	5,986,715	8.9	12.1
10 to 14 years.....	3,627,408	5,479,732	8.5	11.1
15 to 19 years.....	4,003,271	5,060,332	9.4	10.3
20 to 24 years.....	4,570,558	4,486,426	10.7	9.1
25 to 29 years.....	4,338,392	3,841,611	10.2	7.8
30 to 34 years.....	3,697,202	3,274,983	8.7	6.6
35 to 44 years.....	6,133,259	5,524,428	14.4	11.2
45 to 54 years.....	4,181,722	4,184,206	9.8	8.5
55 to 64 years.....	2,302,142	2,751,959	5.4	5.6
65 years and over.....	1,693,010	2,256,514	4.0	4.6
Under 5 years.....	4,200,291	6,431,073	9.9	13.0
5 to 14 years.....	7,401,325	11,466,447	17.4	23.2
15 to 24 years.....	8,573,829	9,546,758	20.1	19.3
25 to 44 years.....	14,168,853	12,641,622	33.2	25.6
45 to 64 years.....	6,487,864	6,936,225	15.2	14.1
65 years and over.....	1,693,010	2,256,514	4.0	4.6

<sup>1</sup> Includes a small number of persons of unknown age.

This great disparity is due chiefly to two causes: First, the fact that the foreign born, who when they immigrate to this country are mainly of adult age, go chiefly to the cities; and, second, the fact that most of the native born who move from country to city are adults in the most active period of life. It is impossible to draw any conclusions as to the relative fecundity, or the relative longevity, of the urban and the rural population from the statistics, because of the powerful effect of these two causes on the age distribution.

#### DISTRIBUTION BY AGE PERIODS OF THE URBAN AND RURAL POPULATION, BY DIVISIONS: 1910.



The extent to which differences between urban and rural communities appear in the principal color or race, nativity, and parentage classes of the population may readily be seen from the percentages in the following table:

Table 9

Table 9	PER CENT OF TOTAL.							
	Native white.				Foreign-born white.		Negro.	
	Native parentage.		Foreign or mixed parentage.					
AGE PERIOD.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.
All ages.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	11.5	14.2	15.0	12.6	0.8	0.7	8.5	14.5
5 to 14 years.....	19.5	24.3	23.9	24.4	5.2	4.1	16.9	27.3
15 to 24 years.....	20.5	19.3	21.7	21.4	17.1	12.4	21.5	21.2
25 to 44 years.....	29.9	24.1	27.7	27.4	45.6	40.1	36.6	23.2
45 to 64 years.....	14.0	13.4	10.7	12.2	23.9	29.5	13.1	10.6
65 years and over.....	4.3	4.5	1.1	1.8	7.3	12.8	2.9	3.0

It will be seen, for example, that in the case of the native whites of native parentage in urban communities in 1910, 11.5 per cent were under 5 years of age, as compared with 14.2 per cent in rural communities; on the other hand, 29.9 per cent in urban communities were from 25 to 44 years old, but only 24.1 per cent in rural communities. In the case of the foreign-born whites the percentage under 5 years was practically the same in urban as in rural communities, but persons from 25 to 44 years of age formed 45.6 per cent of the total number in urban communities and 40.1 per cent in rural communities. Especially striking is the contrast among the negroes; 8.5 per cent of those in urban communities were under 5 years of age and 36.6 per cent between 25 and 44 years, as compared with 14.5 per cent and 23.2 per cent, respectively, of those in rural communities. In the case of the native whites of foreign or mixed parentage, however, the percentage under 5 years was higher in urban than in rural communities, and there was very little difference between the two classes of communities with respect to the percentages in the age periods from 5 to 44 years. This exceptional condition is doubtless due to the fact that a fairly large proportion of the earlier immigrants into the United

States settled in rural districts, while most of the more recent immigrants have gone to the cities and have contributed large numbers of children to the class of native whites of foreign or mixed parentage there.

The dissimilarity between urban and rural communities with respect to age distribution appears in the case of both sexes, as may be seen from the following table:

Table 10

AGE PERIOD.	POPULATION: 1910				PER CENT OF TOTAL.			
	Male.		Female.		Male.		Female.	
	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.
All ages <sup>1</sup> .....	21,496,181	25,836,096	21,127,202	23,512,787	100.0	100.0	100.0	100.0
Under 5 years.....	2,118,706	3,261,890	2,081,585	3,169,183	9.9	12.6	9.9	13.5
5 to 14 years.....	3,689,561	5,836,315	3,711,764	5,630,132	17.2	22.6	17.6	23.9
15 to 24 years.....	4,176,833	4,930,719	4,396,976	4,616,039	19.4	19.1	20.8	19.6
25 to 44 years.....	7,341,394	6,713,088	6,827,459	5,927,934	34.2	26.6	32.3	25.2
45 to 64 years.....	3,320,534	3,842,798	3,167,330	3,693,427	15.4	14.9	15.0	13.2
65 years and over.....	782,062	1,203,911	910,948	1,652,600	3.6	4.7	4.3	4.5

<sup>1</sup> Includes a small number of persons of unknown age.

Table 14, pages 137 and 138, presents age statistics for the urban and rural population of each of the nine geographic divisions in 1910. The statements with regard to conditions in the country as a whole will be found to hold true, with little modification, in most of the geographic divisions.

#### PRINCIPAL CITIES.

Table 15, pages 139 to 143, shows, for each city of 100,000 inhabitants or more, in absolute numbers and percentages, the age distribution of the total population and of the most important color or race, nativity, and parentage groups.

Table 16, pages 144 and 145, shows the age distribution of the total population of each city of 25,000 to 100,000 inhabitants.

The differences among the various individual cities with respect to age distribution are largely attributable to differences in the extent to which the growth of such cities has been due to migration from abroad or from the smaller towns and rural districts of this country. It is impossible to draw any conclusions as to relative birth rates or death rates from these statistics.

## AGE DISTRIBUTION.

131

DISTRIBUTION BY AGE PERIODS OF THE TOTAL POPULATION, BY DIVISIONS: 1910 AND 1900.

[Totals for all ages include persons of unknown age.]

Table 11 DIVISION AND AGE PERIOD.	ALL CLASSES.		NATIVE WHITE.				FOREIGN-BORN WHITE.		NEGRO.	
			Native parentage.		Foreign or mixed parentage.					
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
<b>NEW ENGLAND.</b>										
All ages, number.....	6,652,681	5,592,017	2,613,418	2,511,110	2,052,709	1,579,044	1,814,386	1,436,872	66,206	59,099
Under 5 years.....	640,825	554,254	250,425	228,461	367,949	307,059	165,105	133,158	5,876	5,582
5 to 14 years.....	1,140,498	978,968	449,916	428,923	584,678	453,674	55,218	87,007	10,201	8,983
15 to 24 years.....	1,158,566	1,021,419	430,857	414,188	426,138	322,091	328,880	271,971	11,817	12,553
25 to 44 years.....	2,057,296	1,763,017	713,822	691,520	175,298	149,453	839,418	646,365	21,690	21,267
45 to 64 years.....	1,123,675	930,127	520,495	510,033	179,502	85,491	412,109	324,068	10,219	8,779
65 years and over.....	384,027	328,992	243,514	228,459	18,434	9,596	119,540	88,848	2,356	1,969
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	9.8	9.9	9.6	9.1	17.9	19.4	9.0	9.9	8.9	9.1
5 to 14 years.....	17.4	17.5	17.2	17.1	28.5	28.7	5.2	6.1	15.4	15.2
15 to 24 years.....	18.3	18.3	16.5	16.5	20.8	20.4	18.1	18.9	17.8	20.9
25 to 44 years.....	31.4	31.5	27.3	27.5	25.4	25.4	46.3	45.0	38.7	38.0
45 to 64 years.....	17.1	16.6	19.9	20.3	8.7	5.4	22.7	22.6	15.4	14.9
65 years and over.....	5.9	5.9	9.3	9.1	0.9	0.6	6.6	6.2	3.6	3.3
<b>MIDDLE ATLANTIC.</b>										
All ages, number.....	19,315,892	15,454,678	8,462,961	7,408,573	5,691,312	4,402,167	4,826,179	3,302,116	417,870	325,921
Under 5 years.....	2,050,139	1,690,067	992,447	903,543	983,447	737,478	38,007	19,141	35,298	29,075
5 to 14 years.....	3,545,324	3,039,428	1,706,024	1,635,030	1,431,857	1,100,317	281,076	167,099	60,674	49,621
15 to 24 years.....	3,741,376	2,891,567	1,638,953	1,397,388	1,105,167	880,876	912,575	534,129	81,370	75,963
25 to 44 years.....	6,126,201	4,820,969	2,325,020	1,946,088	1,386,625	1,259,141	2,233,517	1,486,444	173,649	120,099
45 to 64 years.....	2,977,061	2,266,577	1,270,631	1,104,455	606,283	315,600	1,042,214	833,370	54,458	40,404
65 years and over.....	851,160	689,339	454,779	384,396	75,482	41,095	309,187	244,779	11,330	8,775
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	10.6	10.9	11.7	12.2	17.6	16.8	0.8	0.6	8.4	8.9
5 to 14 years.....	18.4	19.7	22.3	22.3	25.6	25.5	5.9	5.1	14.5	15.2
15 to 24 years.....	19.4	18.7	19.4	18.9	19.8	20.0	18.9	16.2	19.5	23.3
25 to 44 years.....	31.7	31.2	27.5	26.3	24.8	28.6	46.3	45.0	41.5	36.8
45 to 64 years.....	15.4	14.9	15.0	14.9	10.8	7.2	21.6	22.6	13.0	12.4
65 years and over.....	4.4	4.5	5.4	5.2	1.3	0.9	6.4	7.7	2.7	2.7
<b>EAST NORTH CENTRAL.</b>										
All ages, number.....	18,250,621	15,985,581	9,751,968	8,488,016	5,108,432	4,601,740	3,067,220	2,620,297	300,836	257,842
Under 5 years.....	1,907,713	1,774,039	1,352,251	1,110,104	1,608,706	1,311,722	29,598	8,476	23,428	21,327
5 to 14 years.....	3,480,718	3,422,521	2,168,860	2,016,739	1,135,301	1,255,734	125,826	99,131	46,047	47,145
15 to 24 years.....	3,529,212	3,052,135	1,926,247	1,648,577	1,138,916	1,014,225	402,522	332,259	57,685	54,250
25 to 44 years.....	5,436,564	4,631,029	2,533,247	2,148,467	1,303,163	1,339,399	1,280,697	1,073,871	113,107	86,767
45 to 64 years.....	2,906,198	2,315,069	1,370,689	1,164,041	642,011	318,662	872,971	791,383	46,882	36,669
65 years and over.....	929,514	742,415	479,083	379,154	77,691	42,794	359,558	310,416	12,333	9,140
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	10.5	11.1	12.8	13.1	11.9	13.7	0.7	0.3	7.8	8.5
5 to 14 years.....	19.1	21.4	22.2	23.8	22.2	27.3	4.1	3.8	15.3	18.3
15 to 24 years.....	19.3	19.1	19.8	19.4	22.3	22.0	13.1	12.7	19.2	21.0
25 to 44 years.....	29.8	29.1	26.0	25.3	29.4	29.0	41.8	41.0	37.6	33.7
45 to 64 years.....	16.1	14.5	14.1	13.7	12.6	6.9	28.5	30.2	15.6	14.2
65 years and over.....	5.1	4.6	4.9	4.5	1.5	0.9	11.7	11.8	4.1	3.5
<b>WEST NORTH CENTRAL.</b>										
All ages, number.....	11,637,921	10,347,423	6,523,687	5,660,803	3,214,703	2,873,809	1,613,231	1,531,105	242,662	237,909
Under 5 years.....	1,310,909	1,264,617	917,228	796,711	360,278	435,512	8,583	4,631	19,127	21,510
5 to 14 years.....	2,490,375	2,335,946	1,530,808	1,422,353	765,238	861,660	54,184	51,756	40,175	50,081
15 to 24 years.....	2,347,750	2,040,145	1,322,310	1,122,793	790,586	667,035	177,511	159,629	49,177	52,903
25 to 44 years.....	3,603,668	2,855,700	1,638,080	1,399,536	939,114	738,665	629,018	635,529	66,228	71,548
45 to 64 years.....	1,718,233	1,366,402	829,423	704,311	322,032	148,722	523,503	476,058	36,596	30,802
65 years and over.....	532,623	400,689	268,571	199,029	35,282	20,603	216,414	170,202	9,954	8,427
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	11.3	12.2	14.1	14.1	11.2	15.2	0.5	0.3	7.9	6.0
5 to 14 years.....	20.6	23.2	23.5	25.1	23.8	30.0	3.4	3.4	16.6	21.1
15 to 24 years.....	20.2	19.7	20.3	19.8	24.6	23.2	12.0	12.4	22.2	22.2
25 to 44 years.....	28.4	27.6	25.1	24.7	29.2	25.7	39.0	41.5	35.5	30.1
45 to 64 years.....	14.8	13.2	12.7	12.4	10.0	5.2	32.4	31.1	15.1	13.0
65 years and over.....	4.6	3.9	4.1	3.5	1.1	0.7	13.4	11.1	4.1	3.5
<b>SOUTH ATLANTIC.</b>										
All ages, number.....	12,194,935	10,443,480	7,341,205	6,107,314	439,843	389,861	290,555	208,883	4,112,488	3,729,017
Under 5 years.....	1,657,219	1,447,579	1,027,812	836,012	84,086	44,434	2,375	880	570,516	545,284
5 to 14 years.....	2,920,908	2,627,533	1,746,118	1,527,834	88,228	84,896	15,852	8,976	1,068,275	1,004,008
15 to 24 years.....	2,483,317	2,190,895	1,470,014	1,260,948	80,447	77,960	46,899	25,866	883,929	824,522
25 to 44 years.....	3,142,195	2,513,571	1,804,458	1,464,497	131,872	130,885	126,202	80,438	1,016,899	835,014
45 to 64 years.....	1,590,570	1,274,234	945,517	771,500	72,172	43,495	69,067	64,856	442,299	393,285
65 years and over.....	439,628	361,553	278,667	214,785	12,072	7,909	29,089	27,089	119,140	111,321
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	14.4	13.9	14.0	14.0	2.4	11.4	0.9	4.4	13.9	14.6
5 to 14 years.....	24.0	25.2	23.8	25.0	20.1	21.8	5.5	4.3	26.0	29.9
15 to 24 years.....	20.4	21.0	20.0	20.6	18.3	20.0	16.1	12.4	21.7	22.1
25 to 44 years.....	25.8	24.1	25.4	24.0	30.0	33.6	43.4	38.5	24.7	22.4
45 to 64 years.....	12.6	12.2	12.9	12.6	16.4	11.2	24.1	23.8	10.8	10.5
65 years and over.....	3.6	3.5	3.8	3.5	2.7	2.0	10.0	13.0	2.9	3.0

## DISTRIBUTION BY AGE PERIODS OF THE TOTAL POPULATION, BY DIVISIONS: 1910 AND 1900—Continued.

[Totals for all ages include persons of unknown age.]

DIVISION AND AGE PERIOD.	ALL CLASSES.		NATIVE WHITE.				FOREIGN-BORN WHITE.		NEGRO.	
			Native parentage.		Foreign or mixed parentage.					
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
<b>EAST SOUTH CENTRAL.</b>										
All ages, number.....	8,403,361	7,547,757	5,452,492	4,725,774	214,977	229,391	86,857	89,682	2,652,513	2,489,886
Under 5 years.....	1,190,471	1,055,964	796,697	688,544	15,048	18,696	426	299	347,803	348,061
5 to 14 years.....	2,040,195	1,939,802	1,339,639	1,226,281	32,183	44,517	3,359	2,295	664,288	665,981
15 to 24 years.....	1,719,229	1,601,614	1,102,123	1,055,975	38,975	50,840	8,430	7,759	569,118	566,132
25 to 44 years.....	2,134,484	1,791,850	1,345,897	1,105,897	79,934	86,830	29,973	29,155	680,407	569,108
45 to 64 years.....	1,043,077	891,182	670,749	561,166	43,003	24,157	28,841	34,979	390,000	270,406
65 years and over.....	297,289	242,903	193,484	147,702	5,654	4,175	15,967	15,003	82,481	75,917
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	13.8	14.0	14.6	14.6	7.0	8.2	0.5	0.2	13.1	13.9
5 to 14 years.....	24.3	25.7	24.6	25.9	15.0	19.4	3.9	2.6	25.1	26.6
15 to 24 years.....	20.4	21.2	20.2	20.9	18.1	22.2	9.7	8.6	21.5	22.3
25 to 44 years.....	25.4	23.7	24.6	23.4	37.2	37.9	34.5	32.5	25.7	22.8
45 to 64 years.....	12.4	11.8	12.3	11.9	20.0	10.5	33.3	36.0	11.3	10.8
65 years and over.....	3.5	3.2	3.5	3.1	2.6	1.8	17.9	1.7	3.1	3.0
<b>WEST SOUTH CENTRAL.</b>										
All ages, number.....	8,784,534	6,532,280	5,767,449	4,028,944	605,283	478,111	348,759	264,010	1,984,426	1,694,066
Under 5 years.....	1,235,658	960,174	877,638	632,442	79,676	71,493	6,909	2,862	258,012	242,448
5 to 14 years.....	2,171,364	1,738,339	1,467,943	1,104,329	148,061	132,535	27,435	17,987	505,974	464,426
15 to 24 years.....	1,812,549	1,359,280	1,189,485	837,607	127,928	103,465	58,406	35,988	428,272	368,800
25 to 44 years.....	2,283,659	1,564,774	1,443,297	931,310	169,275	129,619	133,434	101,620	519,967	387,871
45 to 64 years.....	1,016,938	723,989	632,834	427,889	70,917	35,466	96,022	80,640	209,554	173,389
65 years and over.....	249,477	160,983	146,523	86,022	8,847	5,652	34,246	23,709	55,973	44,970
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	14.1	14.7	15.2	15.7	13.2	15.0	1.7	1.1	13.0	14.3
5 to 14 years.....	21.7	26.6	25.5	27.4	24.5	27.7	7.9	6.8	25.5	27.4
15 to 24 years.....	20.6	20.8	20.6	20.8	21.1	21.5	14.5	13.6	21.6	21.8
25 to 44 years.....	26.0	24.0	25.0	23.1	28.0	27.1	38.3	38.5	26.2	22.9
45 to 64 years.....	11.6	11.1	11.0	10.6	11.7	7.4	27.5	30.5	10.6	10.2
65 years and over.....	2.8	2.5	2.5	2.1	1.5	1.1	9.8	9.0	2.8	2.7
<b>MOUNTAIN.</b>										
All ages, number.....	2,633,517	1,674,657	1,466,624	855,101	616,921	436,383	436,910	238,361	21,467	15,590
Under 5 years.....	365,804	203,676	207,466	122,351	81,550	69,999	4,226	1,526	1,350	981
5 to 14 years.....	513,074	338,276	327,827	204,824	143,799	124,566	19,668	10,733	2,648	2,010
15 to 24 years.....	505,551	301,135	286,255	154,449	135,298	92,777	64,381	37,016	3,718	3,258
25 to 44 years.....	833,011	539,451	420,867	244,051	187,802	122,401	207,779	144,024	9,718	6,731
45 to 64 years.....	368,028	216,386	179,465	101,965	61,935	24,444	110,164	73,959	3,350	2,083
65 years and over.....	78,517	45,820	39,295	21,534	6,650	2,409	28,183	18,693	548	282
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	11.6	12.2	14.1	14.3	13.2	16.0	1.0	0.5	6.3	6.3
5 to 14 years.....	19.5	21.4	22.3	24.0	23.3	28.5	4.5	3.7	12.3	12.9
15 to 24 years.....	19.2	18.0	19.5	18.1	21.9	21.1	14.7	12.8	17.3	20.9
25 to 44 years.....	32.4	32.2	28.7	28.5	30.4	28.0	47.6	49.9	45.3	43.2
45 to 64 years.....	14.0	12.9	12.2	11.9	10.0	5.6	25.2	26.3	15.6	13.4
65 years and over.....	3.0	2.7	2.7	2.5	1.0	0.6	6.5	6.3	2.6	1.8
<b>PACIFIC.</b>										
All ages, number.....	4,192,304	2,416,692	2,108,770	1,165,621	1,053,665	655,501	861,448	472,461	29,195	14,664
Under 5 years.....	362,626	220,321	224,118	126,713	122,805	86,310	5,778	1,486	1,878	1,087
5 to 14 years.....	655,316	453,544	387,238	249,377	222,119	180,298	31,230	12,989	3,537	2,493
15 to 24 years.....	783,037	432,915	405,727	218,637	235,228	147,674	112,538	46,711	5,125	2,583
25 to 44 years.....	1,474,057	797,075	664,547	340,758	337,056	189,099	399,541	217,144	12,703	5,524
45 to 64 years.....	710,389	387,470	320,197	165,205	119,531	44,013	237,587	149,133	4,822	2,243
65 years and over.....	189,959	108,002	96,852	54,145	16,074	7,510	71,965	42,148	909	553
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	8.6	9.1	10.6	10.9	11.7	13.2	0.7	0.3	6.4	7.4
5 to 14 years.....	15.6	18.8	18.4	21.4	21.1	27.5	3.6	2.7	12.7	17.0
15 to 24 years.....	18.7	17.9	19.2	18.8	22.3	22.5	13.1	9.9	17.6	17.6
25 to 44 years.....	35.2	33.0	31.5	29.2	32.0	28.8	46.4	43.5	43.5	37.7
45 to 64 years.....	16.9	16.0	15.2	14.2	11.3	6.7	27.6	31.6	16.5	15.3
65 years and over.....	4.5	4.5	4.6	4.6	1.5	1.1	8.3	8.9	3.1	3.8



# AGE DISTRIBUTION.

133

## DISTRIBUTION BY AGE PERIODS OF THE POPULATION, BY STATES: 1910.

[Totals for all ages include persons of unknown age.]

Table 12	STATE AND CLASS OF POPULATION.	All ages.	AGE PERIODS.										
			Under 5 years.	5 to 9 years.	10 to 14 years.	15 to 19 years.	20 to 24 years.	25 to 29 years.	30 to 34 years.	35 to 44 years.	45 to 54 years.	55 to 64 years.	65 years and over.
NEW ENGLAND													
Maine.	742,371	71,845	66,633	61,588	65,136	61,782	57,418	53,261	98,745	81,681	58,992	61,072	
Native white—Native parentage.	494,907	45,777	42,179	41,593	41,114	38,245	35,504	34,150	64,470	56,861	44,914	49,169	
Native white—Foreign or mixed par.	134,955	24,341	21,011	18,432	16,207	11,361	8,626	7,074	11,832	8,669	4,462	2,653	
Foreign-born white.	110,133	1,519	3,278	1,162	7,562	11,945	12,981	11,862	22,115	15,885	9,429	9,113	
Negro.	1,963	117	80	117	145	184	135	102	183	145	117	83	
New Hampshire.	430,572	39,581	36,373	36,271	37,906	36,853	33,675	31,794	60,135	48,483	34,289	34,070	
Native white—Native parentage.	230,231	19,169	17,539	17,744	17,438	16,519	15,380	15,537	30,999	28,881	23,994	26,916	
Native white—Foreign or mixed par.	106,117	19,367	16,836	15,179	12,633	8,989	6,406	5,517	9,676	5,804	2,573	984	
Foreign-born white.	96,558	1,122	2,460	3,504	7,480	11,499	11,812	10,684	20,038	14,014	7,868	6,131	
Negro.	564	40	44	40	53	45	66	45	86	78	28	36	
Vermont.	355,956	34,171	32,657	31,451	31,161	28,785	27,085	26,039	48,139	38,233	28,714	29,262	
Native white—Native parentage.	229,382	23,657	22,425	21,496	20,665	17,935	16,119	15,404	28,273	23,154	19,101	21,030	
Native white—Foreign or mixed par.	75,055	9,686	8,662	8,186	7,600	5,773	5,157	5,223	10,122	7,883	4,415	2,329	
Foreign-born white.	49,861	2,222	1,485	1,095	2,798	4,755	5,468	5,235	9,545	7,692	5,132	5,860	
Negro.	1,621	102	73	72	97	320	341	224	191	99	62	39	
Massachusetts.	3,366,416	328,888	294,846	284,900	286,561	325,382	313,098	280,781	500,349	352,763	210,369	175,015	
Native white—Native parentage.	1,103,429	108,005	94,675	93,355	92,113	90,678	84,992	78,200	143,446	122,514	90,040	87,594	
Native white—Foreign or mixed par.	1,170,447	208,865	175,196	159,342	138,850	106,751	82,994	71,987	119,426	72,036	38,129	9,605	
Foreign-born white.	1,051,650	8,457	21,900	29,249	62,540	124,802	140,045	126,126	229,880	152,204	86,155	67,645	
Negro.	38,655	3,448	2,880	2,905	2,570	5,831	4,624	3,913	6,623	3,793	1,875	1,199	
Rhode Island.	542,610	54,098	48,447	47,014	51,998	53,658	50,125	44,713	78,649	55,073	32,972	25,020	
Native white—Native parentage.	139,821	16,347	14,945	13,653	14,425	13,875	12,649	11,390	19,985	16,235	12,992	12,992	
Native white—Foreign or mixed par.	194,446	35,140	29,057	26,164	26,900	25,631	24,126	22,129	19,164	11,076	4,151	1,297	
Foreign-born white.	178,025	1,704	4,417	6,442	12,573	20,488	22,220	20,236	37,944	26,438	14,660	10,341	
Negro.	9,529	802	754	714	772	887	1,061	837	1,541	1,049	587	379	
Connecticut.	1,114,756	112,244	101,486	95,272	101,025	108,339	101,654	90,665	160,890	113,340	69,786	59,588	
Native white—Native parentage.	395,649	37,730	35,972	35,082	35,118	32,932	29,677	27,410	50,137	41,661	33,506	35,820	
Native white—Foreign or mixed par.	374,489	70,610	56,821	49,602	43,528	32,600	25,391	22,528	38,400	23,967	7,947	2,566	
Foreign-born white.	328,759	2,581	7,908	9,320	29,347	41,291	44,968	39,144	60,573	46,080	26,402	20,550	
Negro.	15,174	1,307	1,269	1,244	1,213	1,450	1,604	1,496	2,548	1,508	878	620	
MIDDLE ATLANTIC													
New York.	9,113,614	898,927	803,868	785,826	842,449	938,941	879,843	768,304	1,312,175	921,991	532,049	418,155	
Native white—Native parentage.	3,230,325	301,400	329,032	321,257	319,190	307,767	271,508	232,654	383,802	290,160	200,120	197,165	
Native white—Foreign or mixed par.	3,067,248	505,752	391,887	359,612	330,065	297,736	217,425	201,975	356,878	241,689	94,823	38,329	
Foreign-born white.	2,725,041	20,845	73,849	96,319	182,629	344,930	368,870	316,096	545,855	376,759	222,259	178,845	
Negro.	134,191	10,061	8,287	7,930	9,818	17,481	20,673	16,201	23,210	11,465	5,228	3,073	
New Jersey.	2,537,167	266,942	242,279	228,695	236,541	250,613	236,172	213,082	366,285	248,298	138,417	107,087	
Native white—Native parentage.	1,909,909	114,146	107,428	100,707	98,344	92,788	82,183	74,102	126,258	93,120	62,948	55,943	
Native white—Foreign or mixed par.	777,797	139,219	111,580	101,190	90,453	69,055	54,870	49,690	82,792	52,119	18,210	7,390	
Foreign-born white.	658,198	5,360	15,980	19,885	40,247	78,486	88,346	80,021	140,759	94,553	53,191	40,998	
Negro.	89,760	7,922	7,261	6,878	7,428	10,124	10,575	9,058	15,634	8,432	3,999	2,808	
Pennsylvania.	7,665,111	884,270	773,091	711,565	722,479	750,353	706,682	612,731	1,030,927	713,751	422,555	325,918	
Native white—Native parentage.	4,222,727	516,631	468,154	440,346	427,080	393,774	349,846	301,404	503,363	367,775	247,508	201,671	
Native white—Foreign or mixed par.	1,806,267	338,476	253,061	214,537	197,763	150,092	119,154	107,699	195,154	137,836	61,606	29,823	
Foreign-born white.	1,438,719	17,315	36,333	41,690	81,499	184,784	212,692	182,468	298,690	190,180	105,472	89,344	
Negro.	193,919	11,002	15,478	14,840	15,406	21,113	24,684	20,845	33,189	17,489	7,842	5,049	
EAST NORTH CENTRAL													
Ohio.	4,767,121	479,475	438,899	425,602	446,912	453,596	426,693	377,912	650,864	486,009	313,086	261,810	
Native white—Native parentage.	3,033,259	355,022	325,556	310,315	309,150	287,729	255,223	217,514	358,783	264,800	186,436	158,346	
Native white—Foreign or mixed par.	1,024,931	111,058	91,186	91,853	101,443	99,338	86,093	83,953	100,235	121,530	55,404	27,831	
Foreign-born white.	597,245	4,433	13,518	14,439	26,392	60,583	73,238	66,124	113,946	88,106	64,802	70,386	
Negro.	111,532	8,921	8,621	8,964	9,855	11,801	12,033	10,292	17,701	11,442	6,416	5,037	
Indiana.	2,709,876	275,524	264,947	256,568	259,149	251,288	229,494	198,186	354,468	276,935	182,336	149,474	
Native white—Native parentage.	2,170,688	243,358	231,980	220,993	217,257	200,394	175,641	146,057	253,621	196,954	134,413	108,061	
Native white—Foreign or mixed par.	320,551	52,586	47,354	47,354	51,288	50,316	30,738	26,840	50,868	42,568	25,343	11,440	
Foreign-born white.	159,322	985	2,741	2,608	5,150	13,579	17,023	15,818	28,536	23,881	21,130	27,400	
Negro.	60,320	4,763	4,907	4,984	5,452	6,444	6,610	5,517	9,362	6,136	3,424	2,498	
Illinois.	5,638,591	597,989	546,568	520,955	544,891	577,168	530,920	450,303	767,763	542,677	308,038	243,374	
Native white—Native parentage.	2,600,535	347,529	311,147	280,757	270,851	252,705	216,102	174,415	285,883	204,674	132,286	113,391	
Native white—Foreign or mixed par.	1,723,487	233,731	202,223	206,728	214,060	188,887	148,292	125,670	213,278	132,573	44,435	16,865	
Foreign-born white.	1,202,600	8,417	25,884	31,690	51,133	126,518	152,753	137,965	248,829	194,418	118,785	101,379	
Negro.	109,049	8,248	7,757	7,768	8,731	11,792	13,392	11,905	19,073	10,656	5,175	3,722	
Michigan.	2,810,173	298,551	275,367	258,480	266,830	264,680	240,313	210,982	364,137	287,157	186,707	156,519	
Native white—Native parentage.	1,234,841	164,742	140,262	122,465	117,366	108,394	94,216	80,463	134,253	107,095	60,059	73,190	
Native white—Foreign or mixed par.	964,892	127,010	121,800	129,812	135,658	103,445	81,527	66,246	108,107	68,509	29,177	14,773	
Foreign-born white.	595,524	4,586	11,135	15,097	21,641	50,476	62,192	62,264	117,146	108,832	75,809	67,758	
Negro.	117,115	1,285	1,273	1,276	1,378	1,712	1,821	1,550	2,731	1,928	1,168	938	
Wisconsin.	2,233,580	256,171	247,878	246,154	242,671	222,097	191,970	163,927	281,632	225,965	134,558	118,637	
Native white—Native parentage.	763,225	140,820	120,747	105,038	90,975	71,366	52,397	36,945	51,722	38,484	26,588	26,155	
Native white—Foreign or mixed par.	1,044,761	110,598	118,021	131,052	136,187	116,834	95,174	80,531	132,311	86,983	29,189	7,382	
Foreign-born white.	512,589	2,457	7,321	8,529	14,291	32,757	43,336	45,565	95,955	99,233	77,955	84,735	
Negro.	2,900	211	189	192	223	297	382	293	505	312	148	138	
WEST NORTH CENTRAL													
Minnesota.	2,078,708	226,540	220,233	214,402	215,148	216,670	197,438	153,195	252,868	193,399	104,460	86,057	
Native white—Native parentage.	575,081	101,921	84,034	69,979	61,684	55,330	44,252	32,886	45,153	35,164	21,007	18,109	
Native white—Foreign or mixed par.	941,136	121,701	127,649	134,549	136,226	114,824	84,412	63,164	90,507	49,366	13,648	4,312	
Foreign-born white.	543,010	2,143	6,952	8,339	15,830	45,004	57,100	55,651	111,587	107,090	69,043	62,994	
Negro.	7,084	382	336	375	436	7							
Iowa.	2,224,771	236,063	228,422	222,577	225,010	211,404	183,993	159,711	275,55				

## DISTRIBUTION BY AGE PERIODS OF THE POPULATION, BY STATES: 1910—Continued.

[Totals for all ages include persons of unknown age.]

Table 12—Continued.

STATE AND CLASS OF POPULATION.		AGE PERIODS.												
		All ages.	Under 5 years.	5 to 9 years.	10 to 14 years.	15 to 19 years.	20 to 24 years.	25 to 29 years.	30 to 34 years.	35 to 44 years.	45 to 54 years.	55 to 64 years.	65 years and over.	
WEST NORTH CENTRAL—Contd.														
Missouri.....	3,293,335	360,563	338,232	324,191	334,073	319,770	286,284	247,044	427,038	308,907	189,543	150,253		
Native white—Native parentage.....	2,387,835	310,107	284,909	263,886	255,674	231,257	195,509	160,203	265,761	189,215	121,082	97,500		
Native white—Foreign or mixed par.....	518,201	36,795	36,450	42,829	52,029	53,991	51,797	50,740	94,897	64,610	24,085	9,611		
Foreign-born white.....	228,886	1,257	4,061	4,241	7,563	16,873	21,233	21,363	42,018	39,601	35,085	37,101		
Negro.....	157,452	12,299	12,768	13,190	14,765	17,827	17,652	14,647	24,148	15,233	8,212	6,019		
North Dakota.....	677,056	82,398	69,927	59,392	56,699	61,631	66,726	44,996	65,448	43,644	24,697	12,898		
Native white—Native parentage.....	162,461	31,110	22,929	17,170	15,175	16,477	15,128	11,365	15,195	9,379	4,815	2,722		
Native white—Foreign or mixed par.....	48,907	41,770	35,190	32,270	28,423	21,465	14,801	17,154	17,154	8,063	2,272	618		
Foreign-born white.....	156,158	1,397	4,310	6,166	8,508	16,175	19,604	18,393	32,378	25,584	14,151	9,224		
Negro.....	617	37	34	30	36	82	104	73	109	54	36	8		
South Dakota.....	583,888	73,489	66,933	60,021	58,642	62,994	54,885	43,212	65,763	49,177	28,111	19,288		
Native white—Native parentage.....	245,652	42,022	33,239	26,812	24,349	25,508	21,847	16,085	22,743	16,174	9,325	6,223		
Native white—Foreign or mixed par.....	217,491	28,229	24,722	20,083	28,909	27,136	21,325	15,666	20,183	11,907	5,979	1,230		
Foreign-born white.....	100,628	609	1,685	2,044	3,563	8,334	10,268	10,154	20,686	19,275	13,184	10,517		
Negro.....	817	60	60	62	61	98	110	84	148	81	28	25		
Nebraska.....	1,192,214	140,096	128,066	121,782	124,518	123,104	105,572	86,136	138,123	106,507	65,550	50,771		
Native white—Native parentage.....	642,075	96,068	79,982	69,690	66,875	63,294	53,141	41,959	65,019	48,918	31,481	23,648		
Native white—Foreign or mixed par.....	362,353	41,991	41,700	48,004	51,790	45,889	38,084	26,465	35,889	21,022	7,912	3,505		
Foreign-born white.....	175,805	883	2,485	2,614	4,830	12,585	15,777	16,496	35,622	35,485	25,610	23,228		
Negro.....	7,689	477	487	438	553	892	1,143	933	1,439	800	326	183		
Kansas.....	1,680,949	191,519	177,868	168,309	170,903	167,584	144,369	122,416	201,236	153,178	102,176	87,956		
Native white—Native parentage.....	1,207,057	157,156	140,609	127,737	124,481	117,596	98,713	82,156	132,588	99,288	67,812	56,332		
Native white—Foreign or mixed par.....	292,105	28,351	29,745	32,310	35,950	34,101	28,687	21,222	36,879	23,950	10,758	6,470		
Foreign-born white.....	135,190	1,067	2,430	2,458	4,018	9,892	11,505	11,634	24,374	24,557	20,882	22,132		
Negro.....	54,000	4,627	4,861	4,971	5,518	5,678	5,266	4,263	7,254	5,248	2,952	1,952		
SOUTH ATLANTIC														
Delaware.....	202,322	20,045	19,197	19,308	19,460	19,256	17,303	15,173	26,954	21,384	13,412	10,465		
Native white—Native parentage.....	127,809	13,038	12,450	12,577	12,536	11,815	10,516	9,176	15,966	13,357	9,110	7,400		
Native white—Foreign or mixed par.....	25,873	3,803	3,066	2,790	2,821	2,243	1,842	1,784	3,304	2,611	1,070	511		
Foreign-born white.....	17,420	115	315	355	3,053	2,054	2,357	1,977	3,517	2,046	1,595	1,510		
Negro.....	31,181	3,089	3,315	3,540	3,228	3,142	2,583	2,233	4,154	2,903	1,635	1,240		
Maryland.....	1,295,346	137,714	133,682	129,605	127,973	123,240	110,005	95,786	170,657	126,669	77,941	60,667		
Native white—Native parentage.....	766,627	90,049	85,803	82,671	80,063	73,488	63,419	54,402	91,107	66,333	43,816	34,720		
Native white—Foreign or mixed par.....	191,838	21,065	19,392	19,329	19,460	16,764	14,651	14,346	28,822	23,079	10,401	4,415		
Foreign-born white.....	104,174	610	2,013	2,997	5,027	9,362	10,817	10,417	20,494	16,327	12,430	12,952		
Negro.....	232,250	25,987	25,809	24,585	23,598	23,591	21,023	16,570	30,097	29,022	11,264	8,575		
District of Columbia.....	331,089	26,669	25,312	24,649	28,112	34,424	35,113	31,029	53,234	34,076	20,199	17,017		
Native white—Native parentage.....	166,711	15,476	14,328	13,478	15,018	17,600	16,765	14,803	24,288	15,715	10,247	9,128		
Native white—Foreign or mixed par.....	45,646	3,746	3,321	3,415	3,326	3,913	4,186	4,559	8,477	5,584	2,584	1,484		
Foreign-born white.....	24,351	139	457	525	620	2,073	2,699	2,655	5,109	3,479	2,530	3,439		
Negro.....	94,446	7,290	7,192	7,211	8,620	11,333	11,572	8,993	15,255	9,088	4,492	2,987		
Virginia.....	2,061,612	268,825	256,490	237,652	217,272	195,308	161,302	135,073	229,738	168,406	106,877	84,981		
Native white—Native parentage.....	1,325,238	176,965	163,215	149,393	137,127	122,759	102,976	89,105	146,677	106,038	72,477	57,683		
Native white—Foreign or mixed par.....	37,913	4,984	4,322	3,937	3,802	3,373	2,782	2,670	5,039	3,708	1,880	1,421		
Foreign-born white.....	26,628	232	757	778	1,215	2,587	3,193	2,889	5,517	3,843	2,614	2,944		
Negro.....	671,696	89,555	88,123	83,958	75,947	66,903	52,324	46,538	72,406	51,730	29,502	23,621		
West Virginia.....	1,221,119	169,118	148,179	131,027	125,145	121,514	107,325	88,338	129,788	90,793	65,758	42,192		
Native white—Native parentage.....	1,042,107	151,585	134,538	119,415	110,029	99,017	84,900	70,353	112,001	74,614	47,716	30,207		
Native white—Foreign or mixed par.....	57,638	9,816	5,774	4,683	4,481	4,189	4,325	4,333	8,547	6,586	3,075	1,706		
Foreign-born white.....	57,072	739	1,687	1,490	4,650	8,803	9,818	7,883	10,720	5,392	3,074	3,019		
Negro.....	64,173	6,974	6,274	5,424	6,575	8,891	8,205	5,754	8,484	1,187	1,886	1,257		
North Carolina.....	2,206,287	332,792	294,900	265,964	242,678	209,575	167,661	133,478	268,910	160,313	108,660	77,688		
Native white—Native parentage.....	1,485,718	222,869	192,444	174,395	160,598	138,037	113,527	92,627	144,243	111,774	75,176	55,002		
Native white—Foreign or mixed par.....	8,851	1,159	1,034	990	914	732	629	588	1,164	703	484	385		
Foreign-born white.....	5,912	60	118	202	275	573	646	644	1,279	946	579	575		
Negro.....	697,849	107,297	100,151	89,416	80,253	69,355	52,286	38,290	61,526	46,240	29,083	21,428		
South Carolina.....	1,515,400	228,459	208,750	192,406	172,674	151,470	118,317	91,750	145,002	95,257	64,822	44,092		
Native white—Native parentage.....	601,970	98,624	84,720	76,880	72,230	64,605	53,479	43,052	66,149	46,048	33,036	20,950		
Native white—Foreign or mixed par.....	11,137	1,053	930	909	1,022	922	828	1,283	1,411	1,111	723	488		
Foreign-born white.....	6,054	46	97	145	231	485	637	605	1,221	925	771	858		
Negro.....	835,813	128,712	123,067	114,341	99,118	87,305	63,247	46,194	75,811	46,216	30,280	21,817		
Georgia.....	2,609,121	376,841	347,369	315,217	280,383	254,120	214,250	169,314	261,875	152,090	118,968	80,729		
Native white—Native parentage.....	1,291,658	206,419	181,609	160,352	147,305	132,813	111,945	94,166	139,556	99,734	69,638	46,360		
Native white—Foreign or mixed par.....	25,672	2,017	2,325	2,427	2,476	2,487	2,206	2,110	3,946	2,819	1,458	867		
Foreign-born white.....	15,052	91	325	393	645	1,519	1,801	1,606	5,128	2,962	1,612	1,535		
Negro.....	1,176,987	167,698	163,294	152,029	129,952	123,255	98,274	71,459	116,255	77,110	44,235	31,999		
Florida.....	752,619	96,856	90,941	81,318	76,095	78,588	69,177	56,005	89,637	58,831	33,116	21,797		
Native white—Native parentage.....	375,967	52,787	49,408	41,939	38,813	31,114	20,552	26,215	40,439	26,170	19,008	12,308		
Native white—Foreign or mixed par.....	57,857	5,491	5,109	4,892	5,087	5,190	4,951	29,017	2,852	1,556	842	542		
Foreign-born white.....	32,842	543	1,141	1,330	2,350	3,917	4,109	3,583	6,911	4,751	2,852	2,257		
Negro.....	308,069	37,114	37,511	33,288	30,891	35,331	32,054	24,089	38,386	21,600	9,885	6,386		
EAST SOUTH CENTRAL														
Kentucky.....	2,289,905	294,503	272,758	252,905	241,622	215,210	181,948	155,036	266,143	192,435	120,124	94,124		
Native white—Native parentage.....	1,963,194	262,927	239,453	216,963	201,728	174,083	143,572	120,049	199,484	140,511	91,687	71,316		
Native white—Foreign or mixed par.....	124,704	5,753	6,815	8,213	10,798	11,506	12,951	29,017	29,222	2,470	2,470	2,470		
Foreign-born white.....	49,653	113	369	408	897	1,855	2,698	2,731	6,609	7,345	7,541	9,497		
Negro.....	204,656	25,541	26,087	26,984	28,163	27,856	24,148	19,294	31,000	24,094	13,441	10,503		
Tennessee.....	2,154,789	294,591	269,019	243,328	237,672	211,093	177,423	145,801	234,926	173,112	110,722	83,464		
Native white—Native parentage.....	1,654,606	234,792	209,798	186,170	178,873	155,092	130,166	108,758	173,852					

## DISTRIBUTION BY AGE PERIODS OF THE POPULATION, BY STATES: 1910—Continued.

[Totals for all ages include persons of unknown age.]

Table 12—Continued.

Table 12—Continued.		AGE PERIODS.											
STATE AND CLASS OF POPULATION.		All ages.	Under 5 years.	5 to 9 years.	10 to 14 years.	15 to 19 years.	20 to 24 years.	25 to 29 years.	30 to 34 years.	35 to 44 years.	45 to 54 years.	55 to 64 years.	65 years and over.
EAST SOUTH CENTRAL—Contd.													
Alabama.....		2,138,093	311,718	284,802	253,196	229,517	211,405	177,557	136,889	209,532	159,614	94,409	65,363
Native white—Native parentage.....		1,177,439	183,253	158,514	136,574	126,030	113,226	94,569	76,628	111,065	84,461	53,787	35,853
Native white—Foreign or mixed par.....		32,417	4,127	3,703	3,504	3,435	2,786	2,496	2,630	4,310	3,252	1,597	919
Foreign-born white.....		15,456	1,575	1,514	1,578	1,846	1,620	1,230	1,139	3,628	3,420	2,234	1,793
Negro.....		908,282	129,931	121,935	112,129	99,130	93,670	78,334	55,845	90,450	68,415	34,834	26,770
Mississippi.....		1,797,114	259,661	244,273	219,914	196,241	176,469	143,983	117,631	182,607	115,235	77,426	54,338
Native white—Native parentage.....		757,233	115,725	102,200	89,677	81,418	71,664	60,404	50,498	74,618	50,440	36,241	23,241
Native white—Foreign or mixed par.....		19,489	1,956	1,655	1,685	1,717	1,693	1,653	1,655	3,113	2,315	1,316	691
Foreign-born white.....		9,389	63	280	366	441	759	859	884	1,802	1,403	1,212	1,290
Negro.....		1,009,487	141,691	139,945	128,019	112,527	102,222	85,354	64,490	102,887	60,992	38,567	29,055
WEST SOUTH CENTRAL													
Arkansas.....		1,574,449	230,701	209,561	179,879	173,888	151,760	129,133	104,721	160,994	116,729	89,735	44,898
Native white—Native parentage.....		1,077,509	169,391	146,929	122,986	118,910	100,954	85,118	70,488	106,404	75,024	49,298	30,801
Native white—Foreign or mixed par.....		36,608	3,800	3,768	3,769	4,015	3,538	3,109	2,793	5,087	3,785	1,845	1,072
Foreign-born white.....		16,909	107	318	383	593	1,008	1,576	1,688	3,366	3,438	2,386	2,182
Negro.....		442,891	57,330	56,552	52,679	50,309	46,220	39,488	29,729	46,066	34,411	16,188	10,827
Louisiana.....		1,658,338	224,069	218,743	193,791	175,227	164,915	141,905	113,652	184,442	115,130	83,725	49,733
Native white—Native parentage.....		776,587	119,812	111,077	97,623	86,829	77,362	63,928	51,258	74,426	45,704	28,815	17,808
Native white—Foreign or mixed par.....		112,717	11,353	10,416	9,115	9,107	9,091	9,258	9,903	20,576	14,833	6,445	2,605
Foreign-born white.....		51,782	326	1,123	1,597	2,315	4,335	4,918	4,913	9,748	8,219	6,789	4,791
Negro.....		713,874	92,439	95,285	85,917	76,968	74,119	63,677	47,489	79,455	46,232	27,581	21,886
Oklahoma.....		1,657,155	241,904	217,775	186,069	174,402	159,009	139,209	116,018	185,400	122,594	70,513	41,045
Native white—Native parentage.....		1,310,403	199,142	176,349	148,985	139,613	125,836	108,971	90,493	142,589	92,236	53,861	30,215
Native white—Foreign or mixed par.....		94,044	10,201	10,565	10,492	10,237	9,141	8,282	7,526	12,760	8,926	3,920	1,937
Foreign-born white.....		40,084	280	740	866	1,353	3,058	4,070	4,161	8,859	7,722	4,930	3,900
Negro.....		137,615	18,269	18,269	16,404	14,974	14,444	12,601	9,662	14,744	9,888	5,042	3,303
Texas.....		3,898,532	533,084	508,554	456,792	423,270	390,078	329,776	288,494	408,851	280,369	171,963	110,801
Native white—Native parentage.....		2,002,050	330,233	333,946	310,648	285,709	254,272	213,634	176,838	359,150	270,735	173,191	67,699
Native white—Foreign or mixed par.....		361,914	54,322	51,510	48,426	44,709	38,180	30,010	24,296	35,675	22,378	8,775	3,233
Foreign-born white.....		239,984	5,196	10,208	12,165	15,412	22,332	24,222	22,443	43,674	36,962	25,576	20,773
Negro.....		690,049	90,057	92,903	85,461	77,329	75,109	61,727	45,249	70,080	46,087	24,325	19,057
MOUNTAIN													
Montana.....		376,053	38,323	34,179	29,686	29,884	43,147	44,264	36,701	56,109	36,149	15,875	8,085
Native white—Native parentage.....		162,127	20,167	17,192	14,191	13,696	18,433	18,111	14,457	20,971	13,247	6,291	3,999
Native white—Foreign or mixed par.....		106,809	15,841	14,067	12,735	11,829	11,971	10,056	8,087	11,946	7,047	2,273	846
Foreign-born white.....		91,614	746	1,442	1,432	1,622	11,399	14,700	12,838	20,942	14,188	5,941	3,589
Negro.....		1,834	105	96	95	104	179	238	218	289	216	125	47
Idaho.....		325,584	40,444	38,132	31,902	30,270	31,997	31,655	27,007	42,866	29,230	14,686	8,940
Native white—Native parentage.....		203,599	31,661	26,624	22,323	20,084	19,320	17,666	15,053	22,449	15,058	7,918	4,737
Native white—Foreign or mixed par.....		75,135	8,149	8,535	8,685	8,528	8,149	7,575	6,487	10,317	6,056	1,909	745
Foreign-born white.....		40,435	583	537	533	573	503	480	480	9,109	7,990	4,241	2,997
Negro.....		651	40	33	19	33	78	99	78	133	78	36	22
Wyoming.....		145,965	15,331	13,049	10,829	11,488	19,373	19,533	15,993	20,605	12,068	5,646	2,796
Native white—Native parentage.....		80,696	10,218	8,445	6,942	6,972	10,341	9,826	7,466	10,650	5,882	2,920	1,469
Native white—Foreign or mixed par.....		32,504	4,586	3,796	3,210	3,249	4,113	3,561	2,800	4,000	2,473	714	291
Foreign-born white.....		27,118	266	531	418	1,016	4,009	5,018	3,954	5,636	3,692	1,718	948
Negro.....		102	102	102	102	102	102	102	102	102	102	102	102
Colorado.....		799,024	82,562	75,615	63,658	71,045	79,059	75,885	69,313	116,508	83,259	44,022	26,727
Native white—Native parentage.....		475,156	56,192	49,888	45,023	45,013	47,056	44,915	38,494	62,286	43,758	24,742	16,016
Native white—Foreign or mixed par.....		181,428	24,431	21,912	20,385	20,401	18,306	15,957	13,726	22,749	15,016	5,988	2,438
Foreign-born white.....		126,851	978	2,847	3,251	4,521	12,035	15,821	15,220	28,559	22,811	12,571	7,891
Negro.....		11,453	708	753	807	843	1,101	1,384	1,263	2,279	1,380	553	296
New Mexico.....		327,301	43,285	41,026	34,408	32,457	30,931	27,223	22,993	30,115	25,912	16,071	9,686
Native white—Native parentage.....		253,603	37,019	33,285	28,190	26,377	24,176	21,060	16,983	28,533	20,074	12,272	6,850
Native white—Foreign or mixed par.....		26,331	4,241	3,492	2,951	2,724	2,397	2,084	1,871	3,243	2,642	809	408
Foreign-born white.....		22,654	494	925	837	1,288	2,595	3,054	2,632	4,423	3,152	1,883	1,327
Negro.....		1,628	150	134	106	123	152	206	196	272	146	80	58
Arizona.....		204,354	24,778	21,917	18,091	17,389	20,756	21,975	18,446	25,327	17,195	9,049	5,724
Native white—Native parentage.....		82,468	11,130	9,355	7,581	6,876	8,228	8,729	7,375	10,663	6,010	3,526	2,073
Native white—Foreign or mixed par.....		42,176	7,988	6,054	4,783	4,355	4,053	3,644	3,069	4,404	2,482	918	281
Foreign-born white.....		46,324	1,056	2,044	2,073	2,778	5,994	7,238	5,968	9,426	5,474	2,913	1,763
Negro.....		2,009	156	162	130	136	192	251	209	420	211	90	44
Utah.....		373,351	52,638	45,875	40,070	37,664	37,013	33,765	27,416	41,334	28,413	15,563	12,369
Native white—Native parentage.....		171,663	37,334	29,774	22,956	18,587	15,570	12,191	8,564	11,262	7,602	4,156	2,907
Native white—Foreign or mixed par.....		131,722	14,151	14,615	15,411	14,289	15,793	16,921	11,746	17,718	14,548	8,263	5,131
Foreign-born white.....		63,390	425	1,128	1,305	2,169	5,393	6,689	6,227	11,323	10,670	8,852	8,554
Negro.....		1,144	26	62	55	70	117	156	184	245	109	51	25
Nevada.....		81,875	6,383	5,670	4,936	5,263	8,038	9,006	9,250	14,871	9,240	4,984	3,120
Native white—Native parentage.....		35,326	3,855	3,315	2,640	2,451	3,182	3,754	3,963	5,742	3,332	1,815	1,144
Native white—Foreign or mixed par.....		20,351	1,896	1,632	1,406	1,585	2,061	2,475	2,491	3,917	2,137	747	320
Foreign-born white.....		17,999	68	144	129	665	2,109	2,643	2,460	4,025	2,694	1,765	1,164
Negro.....		513	26	18	18	15	41	63	80	135	64	28	20
PACIFIC													
Washington.....		1,141,990	108,756	99,678	82,602	99,647	122,058	126,074	106,963	167,435	117,405	57,805	36,573
Native white—Native parentage.....		585,386	66,713	58,957	53,065	54,227	61,231	60,626	50,064	76,374	52,487	28,117	18,910
Native white—Foreign or mixed par.....		37,636	34,429	33,343	33,343	33,343	33,343	33,343	33,343	33,343	33,343	33,343	33,343
Foreign-born white.....		241,197	1,36	4,443	4,937	8,302	25,493	54,402	31,199	55,328	41,985	20,000	13,479
Negro.....		6,058	299	252	274	325	462	953	886	1,330	675	211	111
Oregon.....		672,765	60,211	56,923	55,776	60,749	70,428	69,730	59,263	97,451	73,354	39,962	28,153
Native white—Native parentage.....		416,851	44,544	40,755	38,203	39,423	42,849	40,821	34,561	55,124	39,282	22,712	17,170
Native white—Foreign or mixed par.....		135,258	11,093	13,771	15,048	16,019	15,706	13,652	11,136	17,139	16,974	4,521	2,329
Foreign-born white.....		131,001	658	1,584	1,651	3,721	10,349	13,477	12,063	21,958	17,572	10,962	7,926
Negro.....		1,492	70	63	54	67	156	202	212</				

## PER CENT DISTRIBUTION BY AGE PERIODS, BY DIVISIONS AND STATES: 1910.

[Percentages based on total population, which includes a small number of persons of unknown age.]

Table 13 DIVISION AND STATE.	PER CENT OF TOTAL POPULATION.											PER CENT—CONDENSED AGE GROUPING.					
	Under 5 years.	5 to 9 years.	10 to 14 years.	15 to 19 years.	20 to 24 years.	25 to 29 years.	30 to 34 years.	35 to 44 years.	45 to 54 years.	55 to 64 years.	65 years and over.	Under 5 years.	5 to 14 years.	15 to 24 years.	25 to 44 years.	45 to 64 years.	65 years and over.
<b>United States</b> .....	11.6	10.6	9.8	9.9	9.8	8.9	7.6	12.7	3.1	5.5	4.3	11.6	20.5	19.7	29.1	14.6	4.3
<b>GEOGRAPHIC DIVISIONS:</b>																	
New England.....	9.8	8.9	8.5	8.9	9.4	8.9	8.0	14.5	10.5	6.6	5.9	9.8	17.4	18.3	31.4	17.1	5.9
New England.....	10.6	9.4	8.9	9.3	10.0	9.4	8.3	14.0	9.8	5.7	4.4	10.6	18.4	19.4	31.7	15.4	4.4
Middle Atlantic.....	10.5	9.7	9.4	9.6	9.7	8.9	7.7	13.2	10.0	6.1	5.1	10.5	19.1	19.3	29.8	16.1	5.1
East North Central.....	11.3	10.6	10.1	10.2	10.0	8.8	7.4	12.3	9.2	5.6	4.6	11.3	20.6	20.2	28.4	14.8	4.6
West North Central.....	13.6	12.5	11.4	10.6	9.8	8.2	6.7	10.9	7.6	4.9	3.6	13.6	24.0	20.4	25.8	12.6	3.6
South Atlantic.....	13.8	12.7	11.5	10.8	9.7	8.2	6.6	10.6	7.6	4.8	3.5	13.8	24.3	20.4	25.4	12.4	3.5
East South Central.....	14.1	13.1	11.6	10.8	9.9	8.4	6.9	10.7	7.2	4.3	2.8	14.1	24.7	20.6	26.0	11.6	2.8
West South Central.....	11.6	10.4	9.1	8.9	10.3	10.1	8.6	13.7	9.2	4.8	3.0	11.6	19.5	19.2	32.4	14.0	3.0
Mountain.....	8.6	7.9	7.7	8.5	10.2	10.5	9.3	15.3	10.9	6.1	4.5	8.6	15.6	18.7	35.2	16.9	4.5
Pacific.....																	
<b>NEW ENGLAND:</b>																	
Maine.....	9.7	9.0	8.7	8.8	8.3	7.7	7.2	13.3	11.0	7.9	8.2	9.7	17.7	17.1	28.2	18.9	8.2
New Hampshire.....	9.2	8.6	8.4	8.8	8.6	7.8	7.4	14.0	11.3	8.0	7.9	9.2	17.0	17.4	29.2	19.2	7.9
Vermont.....	9.6	9.2	8.8	8.8	8.1	7.6	7.3	13.5	10.7	8.1	8.2	9.6	18.0	16.8	28.5	18.8	8.2
Massachusetts.....	9.8	8.8	8.5	8.8	9.7	9.3	8.3	14.9	10.5	6.2	5.2	9.8	17.2	18.5	32.5	16.7	5.2
Rhode Island.....	10.0	8.9	8.7	9.6	9.9	9.2	8.2	14.5	10.1	6.1	4.6	10.0	17.6	19.5	32.0	16.2	4.6
Connecticut.....	10.1	9.1	8.5	9.1	9.7	9.1	8.1	14.4	10.2	6.2	5.3	10.1	17.7	18.8	31.7	16.3	5.3
<b>MIDDLE ATLANTIC:</b>																	
New York.....	9.9	8.8	8.6	9.2	10.3	9.7	8.4	14.4	10.1	5.8	4.6	9.9	17.4	19.5	32.5	16.0	4.6
New Jersey.....	10.5	9.5	9.0	9.3	9.9	9.3	8.4	14.4	9.8	5.5	4.2	10.5	18.6	19.2	32.1	15.2	4.2
Pennsylvania.....	11.5	10.1	9.3	9.4	9.8	9.2	8.0	13.4	9.3	5.5	4.3	11.5	19.4	19.2	30.7	14.8	4.5
<b>EAST NORTH CENTRAL:</b>																	
Ohio.....	10.1	9.2	8.9	9.4	9.5	9.0	7.9	13.7	10.2	6.6	5.5	10.1	18.1	18.9	30.5	16.8	5.5
Indiana.....	10.2	9.8	9.5	9.6	9.3	8.5	7.3	13.1	10.3	6.8	5.5	10.2	19.3	19.9	29.0	17.0	5.5
Illinois.....	10.6	9.7	9.2	9.7	10.2	9.4	8.0	13.6	9.6	5.3	4.3	10.6	18.9	19.9	31.0	15.0	4.3
Michigan.....	10.6	9.8	9.2	9.5	9.4	8.6	7.5	12.9	10.2	6.6	5.6	10.6	19.0	18.9	28.9	16.9	5.6
Wisconsin.....	11.0	10.6	10.5	10.4	9.5	8.2	7.0	12.1	9.7	5.8	5.1	11.0	21.2	19.9	27.3	15.4	5.1
<b>WEST NORTH CENTRAL:</b>																	
Minnesota.....	10.9	10.6	10.3	10.4	10.4	9.0	7.4	12.2	9.3	5.0	4.1	10.9	20.9	20.8	28.6	14.3	4.1
Iowa.....	10.6	10.3	10.0	10.1	9.5	8.3	7.2	12.4	9.7	6.1	5.6	10.6	20.3	19.6	27.9	15.8	5.6
Missouri.....	10.9	10.3	9.8	10.1	9.7	8.7	7.5	13.0	9.4	5.8	4.6	10.9	20.1	19.9	29.2	15.1	4.6
North Dakota.....	14.3	12.1	10.3	9.8	10.7	9.8	7.8	11.3	7.6	3.8	2.2	14.3	22.4	20.5	29.0	11.3	2.2
South Dakota.....	12.6	11.5	10.3	10.0	10.8	9.4	7.4	11.3	8.4	4.8	3.3	12.6	21.7	20.8	28.1	13.2	3.3
Nebraska.....	11.8	10.7	10.2	10.4	10.3	8.9	7.2	11.6	8.9	5.5	4.3	11.8	21.0	20.8	27.7	14.4	4.3
Kansas.....	11.3	10.5	10.0	10.1	9.9	8.5	7.2	11.9	9.1	6.0	5.2	11.3	20.5	20.0	27.7	15.1	5.2
<b>SOUTH ATLANTIC:</b>																	
Delaware.....	9.9	9.5	9.5	9.6	9.5	8.6	7.5	13.3	10.6	6.6	5.2	9.9	19.0	19.1	29.4	17.2	5.2
Maryland.....	10.6	10.3	10.0	9.9	9.5	8.5	7.4	13.2	9.8	6.0	4.7	10.6	20.3	19.4	29.1	15.8	4.7
District of Columbia.....	8.1	7.6	7.4	8.5	10.4	10.6	9.4	16.1	10.3	6.1	5.1	8.1	15.1	16.9	36.1	16.1	5.1
Virginia.....	13.0	12.4	11.5	10.5	9.5	7.8	6.6	11.1	8.0	5.2	4.1	13.0	24.0	20.0	25.5	13.2	4.1
West Virginia.....	13.8	12.1	10.7	10.2	10.0	8.8	7.2	11.4	7.4	4.6	3.5	13.8	22.9	20.2	27.5	12.0	3.5
North Carolina.....	15.1	13.4	12.1	11.0	9.5	7.6	6.0	9.5	7.3	4.9	3.5	15.1	25.4	20.5	23.1	12.2	3.5
South Carolina.....	15.1	13.8	12.7	11.4	10.0	7.8	6.1	9.6	6.3	4.3	2.9	15.1	26.5	21.4	23.4	10.6	2.9
Georgia.....	14.4	13.3	12.1	10.7	10.0	8.2	6.5	10.0	7.0	4.5	3.1	14.4	25.4	20.7	24.7	11.5	3.1
Florida.....	12.9	12.1	10.7	10.1	10.4	9.2	7.4	11.9	7.6	4.4	2.9	12.9	22.8	20.6	28.5	12.0	2.9
<b>EAST SOUTH CENTRAL:</b>																	
Kentucky.....	12.9	11.9	11.0	10.6	9.4	7.9	6.8	11.6	8.4	5.2	4.1	12.9	23.0	19.9	26.3	13.6	4.1
Tennessee.....	13.5	12.3	11.1	10.9	9.7	8.1	6.7	10.8	7.9	5.1	3.8	13.5	23.5	20.5	25.5	13.0	3.8
Alabama.....	14.6	13.3	11.8	10.7	9.9	8.3	6.4	9.8	7.5	4.4	3.1	14.6	25.2	20.6	24.5	11.9	3.1
Mississippi.....	14.4	13.6	12.2	10.9	9.8	8.3	6.5	10.2	6.4	4.3	3.0	14.4	25.8	20.7	25.0	10.7	3.0
<b>WEST SOUTH CENTRAL:</b>																	
Arkansas.....	14.7	13.3	11.4	11.0	9.6	8.2	6.7	10.2	7.4	4.4	2.9	14.7	24.7	20.7	25.1	11.8	2.9
Louisiana.....	13.5	13.2	11.7	10.6	10.0	8.6	6.9	11.1	7.0	4.2	3.0	13.5	24.9	20.5	26.6	11.2	3.0
Oklahoma.....	14.6	13.1	11.2	10.5	9.6	8.4	7.0	11.2	7.4	4.3	2.5	14.6	24.4	20.1	26.6	11.7	2.5
Texas.....	13.8	13.1	11.7	10.9	10.0	8.5	6.9	10.5	7.2	4.4	2.8	13.8	24.8	20.9	25.9	11.6	2.8
<b>MOUNTAIN:</b>																	
Montana.....	10.2	9.1	7.9	7.9	11.5	11.8	9.8	14.9	9.6	4.2	2.4	10.2	17.0	19.4	36.5	13.8	2.4
Idaho.....	12.4	11.1	9.8	9.3	9.8	9.5	8.3	13.2	9.0	4.5	2.7	12.4	20.9	19.1	31.0	13.5	2.7
Wyoming.....	10.5	8.9	7.4	7.9	13.3	13.4	10.3	14.1	8.3	3.8	1.9	10.5	16.4	21.1	37.8	12.1	1.9
Colorado.....	10.3	9.5	8.7	8.9	9.9	9.9	8.7	14.6	10.4	5.5	3.3	10.3	18.2	18.8	33.1	15.9	3.3
New Mexico.....	13.8	12.5	10.5	9.9	9.5	8.5	7.0	12.0	8.2	4.9	3.0	13.8	23.0	19.4	27.5	13.1	3.0
Arizona.....	12.1	10.7	8.9	8.5	10.2	10.8	9.0	13.9	8.4	4.4	2.8	12.1	19.6	18.7	33.6	12.8	2.8
Utah.....	14.1	12.3	10.7	10.0	9.9	9.0	7.3	11.1	7.6	4.2	3.3	14.1	23.0	19.9	27.5	11.8	3.3
Nevada.....	7.8	6.9	6.0	6.4	9.8	11.7	11.3	18.1	11.3	6.1	3.8	7.8	13.0	16.2	41.2	17.4	3.8
<b>PACIFIC:</b>																	
Washington.....	9.5	8.7	8.1	8.7	10.7	11.0	9.4	14.7	10.3	5.1	3.2	9.5	16.9	19.4	35.1	15.3	3.2
Oregon.....	8.9	8.5	8.3	9.0	10.5	10.4	8.8	14.5	10.8	5.9	4.2	8.9	16.8	19.5	33.7	16.7	4.2
California.....	8.1	7.4	7.3	8.2	9.8	10.4	9.5	15.8	11.2	6.6	5.3	8.1	14.7	18.1	35.6	17.8	5.3

## DISTRIBUTION BY AGE PERIODS OF THE URBAN AND RURAL POPULATION FOR THE UNITED STATES AND GEOGRAPHIC DIVISIONS: 1910.

[Totals for all ages include persons of unknown age.]

Table 14 DIVISION AND AGE PERIOD.	URBAN POPULATION.					RURAL POPULATION.				
	All classes.	Native white.		Foreign-born white.	Negro.	All classes.	Native white.		Foreign-born white.	Negro.
		Native parentage.	Foreign or mixed parentage.				Native parentage.	Foreign or mixed parentage.		
<b>UNITED STATES</b>										
All ages, number.....	42,623,383	17,843,644	12,346,900	9,635,369	2,689,229	49,348,853	31,638,931	6,550,937	3,710,176	7,138,534
Under 5 years.....	4,200,291	2,044,886	1,846,689	75,372	229,080	6,431,073	4,701,396	827,426	27,153	1,064,208
5 to 14 years.....	7,491,325	3,486,880	2,959,302	508,771	454,219	11,966,447	7,608,418	1,691,039	155,048	1,947,690
15 to 24 years.....	8,573,829	3,659,032	2,673,889	1,644,462	578,299	9,546,758	6,112,945	1,404,794	459,680	1,512,912
25 to 44 years.....	14,168,833	5,330,953	3,415,057	4,390,378	985,374	12,641,022	7,615,488	1,795,052	1,489,001	1,632,844
45 to 64 years.....	6,487,864	2,495,022	1,318,912	2,299,020	351,259	6,936,225	4,244,375	798,474	1,093,408	756,841
65 years and over.....	1,685,010	771,790	155,454	706,915	77,435	2,256,514	1,429,278	129,132	476,431	216,689
All ages, percent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	9.9	11.5	15.0	0.8	8.5	13.0	14.2	12.6	0.7	14.5
5 to 14 years.....	17.4	19.5	23.9	5.2	16.9	23.2	24.3	24.4	4.1	27.3
15 to 24 years.....	20.1	20.5	21.7	17.1	21.5	19.3	19.3	21.4	12.4	21.2
25 to 44 years.....	33.2	29.9	27.7	45.6	36.6	25.6	24.1	27.4	24.1	23.2
45 to 64 years.....	15.2	14.0	10.7	23.9	13.1	14.1	13.4	12.2	29.5	10.6
65 years and over.....	4.0	4.5	1.1	7.3	2.9	4.6	4.5	1.8	12.8	3.0
<b>NEW ENGLAND.</b>										
All ages, number.....	5,455,345	1,847,458	1,865,931	1,676,530	60,877	1,037,336	765,935	186,816	137,798	5,429
Under 5 years.....	538,000	180,154	337,637	14,809	5,261	102,825	70,471	30,312	1,296	615
5 to 14 years.....	947,287	316,556	532,650	88,655	9,190	193,211	133,360	52,019	6,563	1,011
15 to 24 years.....	1,025,549	314,402	391,775	308,010	10,775	173,017	116,455	34,563	20,870	1,042
25 to 44 years.....	1,750,621	530,739	432,411	781,111	24,044	1,097,615	109,063	42,827	59,707	1,636
45 to 64 years.....	901,122	356,745	156,587	377,263	9,412	222,553	163,750	22,915	34,846	867
65 years and over.....	277,455	155,660	14,132	105,822	2,050	106,572	87,854	4,302	14,018	306
All ages, percent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	9.9	9.8	18.1	0.9	8.6	9.4	9.2	16.2	0.9	11.3
5 to 14 years.....	17.4	17.1	28.5	5.3	15.1	17.6	17.4	27.8	4.8	18.6
15 to 24 years.....	18.8	17.0	21.9	18.4	17.7	15.8	15.2	15.4	15.1	19.2
25 to 44 years.....	32.3	28.2	24.5	46.5	39.5	27.1	25.2	22.9	43.3	30.1
45 to 64 years.....	16.5	19.3	8.4	22.5	15.5	20.3	21.4	12.3	25.3	14.9
65 years and over.....	5.1	8.4	0.8	6.3	3.4	9.7	11.5	2.3	10.2	5.6
<b>MIDDLE ATLANTIC.</b>										
All ages, number.....	13,723,373	4,718,463	4,605,981	4,049,477	339,246	5,592,519	3,744,498	985,331	776,702	78,624
Under 5 years.....	1,436,005	566,112	510,970	31,388	27,364	614,134	426,335	172,477	6,669	7,834
5 to 14 years.....	2,448,930	970,853	1,186,652	45,802	45,802	1,086,304	706,291	24,184	38,582	14,872
15 to 24 years.....	2,754,229	969,188	938,009	780,752	63,142	987,147	669,765	167,158	31,823	16,228
25 to 44 years.....	4,553,112	1,371,234	1,154,555	1,873,500	147,962	1,073,089	953,786	232,409	360,017	25,507
45 to 64 years.....	2,021,374	635,530	465,049	873,363	43,898	986,087	635,101	141,234	168,531	10,560
65 years and over.....	492,371	195,091	48,770	240,451	7,996	358,759	259,688	29,712	68,756	3,434
All ages, percent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	10.5	12.0	17.6	0.8	8.1	11.0	11.4	17.5	0.9	10.1
5 to 14 years.....	17.8	20.6	25.8	1.1	13.5	19.6	21.3	24.9	4.0	15.9
15 to 24 years.....	20.1	20.5	20.4	19.3	19.2	17.7	17.9	17.0	17.0	20.6
25 to 44 years.....	33.2	29.1	25.1	46.3	43.6	28.1	25.5	23.5	46.4	32.4
45 to 64 years.....	14.7	13.5	10.1	21.6	12.9	17.1	17.0	14.3	21.7	13.4
65 years and over.....	3.6	4.1	1.1	5.9	2.4	6.4	6.9	2.7	8.9	4.2
<b>EAST NORTH CENTRAL.</b>										
All ages, number.....	9,617,271	4,014,669	3,177,692	2,189,291	230,542	8,633,350	5,737,239	1,930,742	877,929	70,294
Under 5 years.....	944,123	490,769	420,255	16,672	16,230	963,590	761,482	188,451	4,226	7,193
5 to 14 years.....	1,651,950	804,640	717,648	97,773	31,493	1,828,768	1,364,200	417,653	28,033	14,554
15 to 24 years.....	1,947,443	816,424	737,474	328,309	44,399	1,581,769	1,089,823	491,412	74,733	13,286
25 to 44 years.....	3,170,607	1,173,973	920,012	979,546	94,019	2,267,957	1,359,274	582,531	301,151	19,088
45 to 64 years.....	1,827,504	533,870	364,557	570,994	35,406	1,448,174	836,819	295,534	301,977	11,359
65 years and over.....	394,406	160,117	33,544	192,888	7,785	335,408	318,966	44,147	166,670	4,548
All ages, percent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	9.8	12.2	13.2	0.8	7.0	11.2	13.3	9.8	0.5	10.2
5 to 14 years.....	17.2	20.0	22.6	4.5	13.7	21.2	23.8	21.6	3.2	20.7
15 to 24 years.....	20.2	20.8	23.2	15.0	19.3	18.3	19.0	20.8	8.5	18.9
25 to 44 years.....	33.0	29.4	24.7	44.7	40.8	26.2	23.7	20.2	37.2	27.2
45 to 64 years.....	15.5	13.3	10.9	26.1	15.4	16.8	14.6	15.3	34.4	16.2
65 years and over.....	4.1	4.0	1.1	8.8	3.4	6.2	5.6	2.3	19.0	6.5
<b>WEST NORTH CENTRAL.</b>										
All ages, number.....	3,873,716	1,984,327	1,090,069	631,696	164,301	7,764,205	4,539,360	2,124,634	981,535	78,361
Under 5 years.....	347,875	226,198	196,671	8,542	11,017	963,034	691,036	253,607	8,741	8,110
5 to 14 years.....	640,260	386,013	297,877	22,767	22,235	1,790,115	1,144,799	537,361	31,417	18,940
15 to 24 years.....	813,681	431,267	266,409	81,893	33,118	1,534,069	891,044	524,177	95,618	16,059
25 to 44 years.....	1,285,047	586,908	363,362	268,157	65,419	2,018,021	1,051,172	575,752	399,861	20,818
45 to 64 years.....	404,630	263,354	131,647	184,245	24,652	1,113,603	565,869	190,285	339,238	11,964
65 years and over.....	167,438	79,661	13,262	69,273	5,811	365,185	189,510	22,029	147,141	4,143
All ages, percent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	9.0	11.4	17.9	0.6	6.7	12.4	13.2	11.9	0.5	10.3
5 to 14 years.....	16.5	19.5	19.1	3.6	14.1	23.2	25.2	24.2	3.2	21.6
15 to 24 years.....	21.0	21.7	24.4	13.0	20.2	19.8	21.6	24.7	9.7	20.5
25 to 44 years.....	33.3	29.6	33.3	42.5	39.8	26.0	23.2	27.1	36.8	26.6
45 to 64 years.....	15.6	13.3	12.1	29.2	15.0	14.3	12.5	9.0	34.6	15.3
65 years and over.....	4.3	4.0	1.2	11.0	3.5	4.7	4.2	1.0	15.0	5.3

## DISTRIBUTION BY AGE PERIODS OF THE URBAN AND RURAL POPULATION FOR THE UNITED STATES AND GEOGRAPHIC DIVISIONS: 1910—Continued.

[Totals for all ages include persons of unknown age.]

Table 14—Continued.

DIVISION AND AGE PERIOD.	URBAN POPULATION.					RURAL POPULATION.				
	All classes.	Native white.		Foreign-born white.	Negro.	All classes.	Native white.		Foreign-born white.	Negro.
		Native percentage.	Foreign or mixed percentage.				Native percentage.	Foreign or mixed percentage.		
<b>SOUTH ATLANTIC.</b>										
All ages, number.....	3,082,153	1,675,819	313,415	191,758	909,520	9,102,742	5,665,386	128,428	98,799	3,202,968
Under 5 years.....	310,326	187,598	37,393	1,582	83,710	1,346,893	840,214	17,293	993	486,806
5 to 14 years.....	565,652	324,652	62,156	10,825	167,954	2,355,256	1,421,466	26,072	5,027	900,321
15 to 24 years.....	651,886	355,824	58,819	29,990	206,667	1,831,851	1,114,190	21,028	16,909	677,262
25 to 44 years.....	1,002,809	516,554	96,711	81,696	307,103	2,139,586	1,347,084	35,301	44,506	709,380
45 to 64 years.....	440,274	226,718	51,053	47,402	114,604	1,090,296	718,799	21,119	21,605	327,695
65 years and over.....	112,595	61,007	7,140	19,820	24,599	327,033	217,900	4,932	9,269	94,541
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	10.0	11.2	11.9	0.8	9.2	14.8	14.8	13.7	1.0	15.2
5 to 14 years.....	18.3	19.4	19.8	5.6	18.5	25.9	25.1	20.6	5.1	28.1
15 to 24 years.....	21.1	21.2	18.8	15.6	22.7	20.1	19.7	17.1	17.1	21.1
25 to 44 years.....	32.4	30.8	30.8	42.6	33.8	23.5	23.5	22.8	45.0	22.2
45 to 64 years.....	14.2	13.5	16.3	24.7	12.6	12.0	12.7	16.7	21.9	10.2
65 years and over.....	3.6	3.6	2.3	10.3	2.7	3.6	3.8	3.9	9.4	3.0
<b>EAST SOUTH CENTRAL.</b>										
All ages, number.....	1,574,229	858,826	149,982	57,932	509,997	6,835,672	4,595,668	64,995	28,925	2,143,416
Under 5 years.....	150,789	98,038	9,392	237	43,105	1,009,681	698,639	5,656	1,189	304,698
5 to 14 years.....	284,059	172,186	29,738	2,049	89,109	1,756,136	1,167,513	11,455	1,301	573,179
15 to 24 years.....	332,823	186,395	27,597	5,649	113,114	1,386,406	915,728	11,378	2,781	456,004
25 to 44 years.....	518,682	261,039	59,276	20,356	177,844	1,615,802	1,082,364	20,658	9,617	502,563
45 to 64 years.....	226,038	100,944	29,917	19,398	67,249	816,469	500,805	13,086	9,543	232,751
65 years and over.....	56,538	27,210	2,955	10,152	16,016	249,961	166,374	2,599	5,415	66,465
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	9.6	11.4	6.3	0.4	8.5	14.8	15.2	8.7	0.7	14.2
5 to 14 years.....	18.0	20.1	13.8	3.5	17.5	25.7	25.7	17.6	1.6	26.8
15 to 24 years.....	21.1	21.8	18.4	9.8	22.2	20.3	19.9	17.5	9.6	21.3
25 to 44 years.....	32.9	30.5	39.5	35.1	34.9	23.6	23.6	31.8	33.2	23.4
45 to 64 years.....	14.4	12.8	19.9	33.5	13.2	11.9	12.2	20.1	33.0	10.9
65 years and over.....	3.6	3.2	2.0	17.5	3.1	3.5	3.6	4.2	18.7	3.1
<b>WEST SOUTH CENTRAL.</b>										
All ages, number.....	1,957,458	1,142,638	236,289	136,808	435,838	6,827,075	4,624,813	368,994	211,951	1,548,588
Under 5 years.....	200,222	134,255	23,598	1,885	39,826	1,035,436	745,383	56,138	4,024	218,186
5 to 14 years.....	376,269	239,007	43,885	9,367	82,683	1,795,095	1,228,936	104,176	18,068	423,291
15 to 24 years.....	412,801	247,346	46,643	19,395	98,265	1,399,748	942,139	81,285	31,011	331,007
25 to 44 years.....	642,181	353,871	81,523	34,139	151,013	1,640,828	1,089,426	87,753	79,256	369,954
45 to 64 years.....	257,151	133,240	36,368	37,027	49,658	759,787	496,594	34,549	58,995	159,896
65 years and over.....	61,059	30,179	4,103	14,542	12,130	185,418	116,344	4,744	19,704	42,943
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	10.2	11.7	10.0	1.4	9.1	15.2	16.1	15.2	1.9	14.1
5 to 14 years.....	19.2	20.9	18.6	6.8	19.0	26.3	26.6	28.2	8.5	27.3
15 to 24 years.....	21.1	21.6	19.7	14.2	22.5	20.5	20.4	22.0	11.6	21.4
25 to 44 years.....	32.8	31.0	34.5	39.6	34.6	24.0	23.6	25.8	37.4	23.8
45 to 64 years.....	13.1	11.7	15.4	27.1	11.4	11.1	10.8	9.4	27.8	10.3
65 years and over.....	3.1	2.6	1.7	10.6	2.8	2.7	2.5	1.3	9.3	2.8
<b>MOUNTAIN.</b>										
All ages, number.....	947,511	491,829	259,131	173,331	15,446	1,686,006	974,795	357,790	283,579	6,021
Under 5 years.....	91,296	57,305	31,300	1,373	978	214,508	150,161	50,170	2,833	372
5 to 14 years.....	161,096	94,443	57,355	7,503	1,873	331,378	233,384	86,264	12,163	775
15 to 24 years.....	184,021	97,817	59,078	23,225	2,596	321,530	188,478	76,230	41,156	1,122
25 to 44 years.....	335,189	160,820	81,540	82,011	7,057	517,822	298,747	136,982	125,768	2,661
45 to 64 years.....	141,552	64,216	26,893	40,439	2,400	226,176	115,249	35,042	63,725	890
65 years and over.....	28,379	14,344	2,492	12,005	374	49,188	24,951	3,558	16,178	174
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	9.6	11.7	12.1	0.8	6.3	12.7	15.4	14.0	1.1	6.2
5 to 14 years.....	17.1	19.2	22.2	4.3	12.1	20.8	23.9	24.1	4.6	12.9
15 to 24 years.....	19.4	19.9	22.8	13.4	16.8	19.1	19.3	21.3	15.6	18.6
25 to 44 years.....	35.4	32.7	31.5	47.3	45.7	30.7	26.6	29.7	47.7	44.2
45 to 64 years.....	15.0	13.1	10.4	26.8	15.9	13.4	11.8	9.8	24.2	14.8
65 years and over.....	3.1	2.9	1.0	6.9	2.4	2.9	2.6	1.0	6.1	2.9
<b>PACIFIC.</b>										
All ages, number.....	2,382,229	1,117,591	648,458	528,488	24,362	1,609,975	991,179	405,207	332,960	4,833
Under 5 years.....	181,654	104,457	69,483	3,634	1,589	1,801,972	119,661	53,322	2,141	289
5 to 14 years.....	325,222	178,780	92,246	19,338	2,880	330,691	208,478	109,873	11,892	657
15 to 24 years.....	451,796	220,369	148,085	67,239	4,273	331,241	185,358	87,143	45,299	1,867
25 to 44 years.....	601,605	383,825	225,177	259,867	10,856	572,432	278,722	111,870	148,679	1,847
45 to 64 years.....	407,919	171,805	74,841	142,880	3,940	302,480	148,392	44,690	94,695	802
65 years and over.....	101,969	49,121	9,055	42,285	674	88,020	47,711	7,018	29,280	235
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	7.6	9.3	10.7	0.7	6.5	10.0	12.1	13.2	0.6	6.0
5 to 14 years.....	13.7	16.0	18.7	3.7	11.8	18.2	21.0	14.9	3.6	13.6
15 to 24 years.....	19.0	19.7	22.8	12.7	17.3	20.3	23.1	21.5	13.6	18.7
25 to 44 years.....	37.8	34.5	34.7	47.5	44.6	31.6	28.1	27.6	44.7	38.2
45 to 64 years.....	17.1	15.4	11.5	27.0	16.2	18.7	15.0	11.0	28.4	18.2
65 years and over.....	4.3	4.4	1.4	8.0	2.8	4.9	4.8	1.7	8.8	4.9

## AGE DISTRIBUTION.

139

DISTRIBUTION BY AGE PERIODS OF THE POPULATION IN CITIES OF 100,000 INHABITANTS OR MORE: 1910.

[Totals for all ages include persons of unknown age.]

Table 15

CITY AND AGE PERIOD.	All classes.	NATIVE WHITE.		Foreign-born white.	Negro.	CITY AND AGE PERIOD.	All classes.	NATIVE WHITE.		Foreign-born white.	Negro.
		Native parent-age.	Foreign or parentage.					Native parent-age.	Foreign or parentage.		
<b>Albany, N. Y.</b>						<b>Bridgeport, Conn.</b>					
All ages, number.....	100,253	44,473	38,533	18,165	1,037	All ages, number.....	102,054	27,156	37,314	36,180	1,332
Under 5 years.....	7,693	4,761	2,087	117	35	Under 5 years.....	10,699	2,739	7,439	824	114
5 to 14 years.....	14,904	8,907	5,156	668	142	5 to 14 years.....	17,158	4,884	10,297	1,780	185
15 to 24 years.....	15,668	9,574	6,655	2,223	213	15 to 24 years.....	20,859	5,194	7,610	7,806	241
25 to 44 years.....	35,029	13,298	14,422	6,753	418	25 to 44 years.....	35,495	8,378	8,688	17,511	552
45 to 64 years.....	18,524	5,946	6,817	3,570	181	45 to 64 years.....	14,535	4,408	3,075	6,857	179
65 years and over.....	5,427	1,956	742	2,687	42	65 years and over.....	3,323	1,517	198	1,574	30
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	All ages, per cent.....	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	7.6	10.7	7.1	0.6	3.4	Under 5 years.....	10.2	10.0	19.9	0.8	8.6
5 to 14 years.....	14.9	20.0	14.2	3.7	13.7	5 to 14 years.....	16.8	18.0	27.6	1.9	13.9
15 to 24 years.....	15.6	21.5	18.2	12.2	20.3	15 to 24 years.....	20.4	19.1	29.4	21.6	18.1
25 to 44 years.....	35.0	29.9	39.5	37.8	40.5	25 to 44 years.....	34.8	30.9	23.3	49.2	43.7
45 to 64 years.....	18.5	13.4	17.7	30.7	17.1	45 to 64 years.....	14.2	16.2	8.2	19.0	13.4
65 years and over.....	5.4	4.4	2.0	14.8	4.1	65 years and over.....	3.3	5.0	0.5	4.4	2.3
<b>Atlanta, Ga.</b>						<b>Buffalo, N. Y.</b>					
All ages, number.....	154,839	91,987	6,464	4,410	51,932	All ages, number.....	423,715	119,692	183,673	118,444	1,773
Under 5 years.....	15,589	10,174	748	422	4,622	Under 5 years.....	42,257	15,876	25,499	480	188
5 to 14 years.....	26,124	16,521	1,292	279	8,831	5 to 14 years.....	72,309	29,369	45,225	5,114	128
15 to 24 years.....	34,574	20,105	1,298	716	12,617	15 to 24 years.....	87,106	28,152	41,273	17,353	310
25 to 44 years.....	52,824	30,479	2,068	2,016	18,264	25 to 44 years.....	136,731	34,288	48,104	53,429	849
45 to 64 years.....	20,163	11,776	900	1,028	6,361	45 to 64 years.....	65,476	11,349	21,968	31,802	287
65 years and over.....	4,564	2,843	123	313	1,281	65 years and over.....	14,362	2,917	1,606	9,795	41
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	All ages, per cent.....	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	10.1	11.1	11.6	1.0	8.9	Under 5 years.....	10.0	13.3	13.8	0.7	5.0
5 to 14 years.....	17.4	18.0	20.0	6.3	17.1	5 to 14 years.....	17.2	18.3	22.5	4.3	11.2
15 to 24 years.....	22.3	21.9	20.1	16.2	24.0	15 to 24 years.....	20.6	23.5	22.5	14.7	17.5
25 to 44 years.....	34.1	33.1	32.5	45.7	35.1	25 to 44 years.....	32.3	28.6	26.2	45.1	47.9
45 to 64 years.....	13.0	12.8	13.9	23.3	12.3	45 to 64 years.....	15.5	9.5	12.0	26.8	16.2
65 years and over.....	2.9	3.1	1.9	7.1	2.5	65 years and over.....	3.4	2.4	0.9	8.3	2.3
<b>Baltimore, Md.</b>						<b>Cambridge, Mass.</b>					
All ages, number.....	558,485	261,474	134,870	77,043	84,749	All ages, number.....	104,839	25,615	39,794	34,608	4,707
Under 5 years.....	51,966	28,966	15,916	474	6,628	Under 5 years.....	10,802	2,890	7,219	211	480
5 to 14 years.....	98,124	52,963	27,910	4,676	12,507	5 to 14 years.....	18,363	4,440	11,504	1,491	828
15 to 24 years.....	112,966	57,671	26,011	11,432	17,420	15 to 24 years.....	19,338	4,456	8,586	5,432	831
25 to 44 years.....	180,411	76,779	39,561	31,287	32,340	25 to 44 years.....	34,901	7,085	8,968	17,134	1,712
45 to 64 years.....	91,095	35,127	22,626	20,386	12,838	45 to 64 years.....	16,732	4,721	3,161	8,107	711
65 years and over.....	23,578	9,669	2,745	8,797	2,432	65 years and over.....	4,642	1,979	516	2,292	141
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	All ages, per cent.....	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	9.3	11.1	11.8	0.6	7.8	Under 5 years.....	10.3	11.3	18.1	0.6	10.2
5 to 14 years.....	17.6	20.3	20.7	6.1	14.8	5 to 14 years.....	17.5	17.4	29.1	4.3	17.6
15 to 24 years.....	20.2	22.1	19.3	14.8	21.0	15 to 24 years.....	18.4	17.5	21.6	15.7	17.7
25 to 44 years.....	32.2	29.4	29.3	40.6	38.0	25 to 44 years.....	33.3	27.7	22.4	49.5	36.4
45 to 64 years.....	16.3	13.4	16.8	26.5	15.1	45 to 64 years.....	16.0	18.4	7.9	23.4	15.1
65 years and over.....	4.2	3.7	2.0	11.3	2.9	65 years and over.....	4.4	7.7	0.8	6.4	3.0
<b>Birmingham, Ala.</b>						<b>Chicago, Ill.</b>					
All ages, number.....	132,685	66,312	8,357	5,700	52,305	All ages, number.....	2,185,283	445,139	912,701	781,217	44,103
Under 5 years.....	14,202	8,212	1,348	44	4,598	Under 5 years.....	223,767	63,281	152,194	5,765	2,472
5 to 14 years.....	21,324	12,905	2,138	372	8,969	5 to 14 years.....	377,093	89,886	245,962	36,888	4,297
15 to 24 years.....	28,560	14,016	1,815	889	11,867	15 to 24 years.....	459,185	89,148	231,640	131,216	7,489
25 to 44 years.....	46,917	22,105	2,135	2,603	20,669	25 to 44 years.....	749,461	133,135	220,255	372,650	22,222
45 to 64 years.....	15,518	7,506	821	1,488	5,701	45 to 64 years.....	307,411	51,019	59,149	190,374	6,381
65 years and over.....	2,763	1,467	96	332	508	65 years and over.....	60,228	12,446	3,584	43,291	897
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	All ages, per cent.....	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	10.7	12.4	16.1	0.8	8.8	Under 5 years.....	10.2	14.2	16.7	0.7	5.6
5 to 14 years.....	18.3	19.5	25.6	6.5	17.0	5 to 14 years.....	17.3	20.2	26.9	4.7	9.7
15 to 24 years.....	21.5	21.1	21.7	15.1	22.7	15 to 24 years.....	21.0	21.0	25.3	16.8	17.0
25 to 44 years.....	35.4	33.3	25.5	45.7	38.4	25 to 44 years.....	34.3	29.9	24.1	47.7	50.4
45 to 64 years.....	11.7	11.3	9.8	26.1	10.9	45 to 64 years.....	14.1	11.5	6.5	24.4	14.4
65 years and over.....	2.1	2.2	1.1	5.8	1.7	65 years and over.....	2.8	2.8	0.4	5.5	2.0
<b>Boston, Mass.</b>						<b>Cincinnati, Ohio.</b>					
All ages, number.....	670,585	157,870	257,104	240,722	13,564	All ages, number.....	363,591	154,937	132,190	56,792	19,633
Under 5 years.....	63,725	16,524	44,711	1,511	942	Under 5 years.....	29,172	20,251	7,422	350	1,148
5 to 14 years.....	112,095	27,257	17,536	11,710	1,568	5 to 14 years.....	55,825	33,118	16,451	2,010	2,243
15 to 24 years.....	125,016	27,994	52,750	39,916	2,261	15 to 24 years.....	124,253	38,744	25,287	5,996	5,925
25 to 44 years.....	235,267	47,565	65,065	117,552	6,407	25 to 44 years.....	124,598	42,843	33,072	19,426	8,676
45 to 64 years.....	108,739	27,816	22,978	55,494	2,104	45 to 64 years.....	63,103	14,394	26,007	19,006	2,959
65 years and over.....	27,068	10,348	2,045	14,398	324	65 years and over.....	15,926	3,363	2,148	9,930	479
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	All ages, per cent.....	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	9.5	10.5	17.4	0.6	6.9	Under 5 years.....	8.0	13.1	5.6	0.6	5.8
5 to 14 years.....	16.7	17.3	27.8	4.9	11.6	5 to 14 years.....	15.4	22.7	12.4	3.5	11.4
15 to 24 years.....	18.3	19.5	21.7	16.2	16.7	15 to 24 years.....	35.0	28.4	19.7	10.0	20.0
25 to 44 years.....	35.1	30.1	24.5	48.8	47.2	25 to 44 years.....	34.3	27.7	40.5	34.2	44.2
45 to 64 years.....	16.2	17.6	8.9	23.1	15.5	45 to 64 years.....	17.4	9.2	20.1	33.5	15.2
65 years and over.....	4.0	6.6	0.8	6.0	2.4	65 years and over.....	4.4	2.2	1.6	17.3	2.4

## DISTRIBUTION BY AGE PERIODS OF THE POPULATION IN CITIES OF 100,000 INHABITANTS OR MORE: 1910—Contd.

[Totals for all ages include persons of unknown age.]

Table 15—Continued.

CITY AND AGE PERIOD.	All classes.	NATIVE WHITE.		Foreign-born white.	Negro.	CITY AND AGE PERIOD.	All classes.	NATIVE WHITE.		Foreign-born white.	Negro.			
		Native parent-age.	Foreign or mixed parentage.					Native parent-age.	Foreign or mixed parentage.					
<b>Cleveland, Ohio.</b>														
All ages, number.....	560,663	132,314	223,908	195,703	8,448	<b>Fall River, Mass.</b>								
Under 5 years.....	12,512	18,663	41,633	519	61	All ages, number.....	119,295	15,858	52,125	50,874	355			
5 to 14 years.....	97,451	27,153	37,858	11,309	111	Under 5 years.....	13,967	2,562	10,867	542	25			
15 to 24 years.....	114,971	26,680	51,787	34,857	1,912	5 to 14 years.....	24,287	3,840	17,086	3,318	41			
25 to 44 years.....	192,924	40,876	55,410	92,330	618	15 to 24 years.....	24,284	2,764	11,401	9,842	62			
45 to 64 years.....	75,332	14,715	15,854	43,484	1,185	25 to 44 years.....	35,981	3,475	10,139	22,141	165			
65 years and over.....	16,790	3,706	1,328	11,550	364	45 to 64 years.....	16,927	2,307	2,458	12,078	58			
						65 years and over.....	4,005	905	149	2,947	4			
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	All ages, per cent.....	100.0	100.0	100.0	100.0	100.0			
Under 5 years.....	11.1	14.1	18.6	0.8	0.1	Under 5 years.....	11.7	16.2	20.8	1.1	7.0			
5 to 14 years.....	17.4	20.5	27.5	5.9	1.1	5 to 14 years.....	20.4	24.2	32.8	6.5	11.5			
15 to 24 years.....	20.5	20.2	23.1	17.8	10.1	15 to 24 years.....	20.2	17.4	21.9	19.3	17.5			
25 to 44 years.....	34.4	30.9	24.7	47.3	47.0	25 to 44 years.....	30.2	21.9	19.5	43.5	46.5			
45 to 64 years.....	13.4	11.1	7.1	22.2	14.0	45 to 64 years.....	14.2	14.5	4.7	23.7	16.3			
65 years and over.....	3.0	2.8	0.6	5.9	2.4	65 years and over.....	3.4	3.7	0.3	5.8	1.1			
<b>Columbus, Ohio.</b>														
All ages, number.....	181,511	116,846	35,878	16,285	12,738	<b>Grand Rapids, Mich.</b>								
Under 5 years.....	14,357	10,879	2,527	91	836	All ages, number.....	112,571	40,777	42,767	28,335	665			
5 to 14 years.....	26,634	19,777	4,520	632	1,578	Under 5 years.....	11,280	4,912	6,096	235	36			
15 to 24 years.....	36,774	25,483	6,786	1,848	2,644	5 to 14 years.....	19,187	7,199	10,513	1,337	25			
25 to 44 years.....	65,495	39,810	13,388	6,823	5,440	15 to 24 years.....	22,371	7,990	10,602	3,666	109			
45 to 64 years.....	30,436	16,724	7,084	4,754	1,861	25 to 44 years.....	35,856	12,393	11,290	11,942	258			
65 years and over.....	7,232	3,930	862	2,105	534	45 to 64 years.....	18,496	6,312	3,858	8,178	142			
						65 years and over.....	5,233	1,608	573	2,853	38			
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	All ages, per cent.....	100.0	100.0	100.0	100.0	100.0			
Under 5 years.....	7.9	9.3	7.1	0.6	6.6	Under 5 years.....	10.0	12.0	14.3	0.8	5.4			
5 to 14 years.....	14.8	16.9	12.4	4.0	12.4	5 to 14 years.....	17.0	17.7	24.7	4.7	11.1			
15 to 24 years.....	20.3	21.8	19.1	11.3	20.8	15 to 24 years.....	19.9	19.6	24.8	12.9	16.4			
25 to 44 years.....	36.1	34.1	37.6	41.9	42.8	25 to 44 years.....	31.9	30.4	26.3	42.1	38.8			
45 to 64 years.....	16.8	14.3	19.9	29.2	14.6	45 to 64 years.....	16.4	15.5	9.0	28.9	21.4			
65 years and over.....	4.0	3.4	2.4	12.9	2.6	65 years and over.....	4.6	4.6	0.9	10.4	5.7			
<b>Dayton, Ohio.</b>														
All ages, number.....	116,577	72,301	25,559	13,847	4,842	<b>Indianapolis, Ind.</b>								
Under 5 years.....	10,647	7,922	2,243	107	374	All ages, number.....	233,650	150,593	41,420	19,767	21,816			
5 to 14 years.....	17,943	13,065	3,657	694	616	Under 5 years.....	18,697	14,277	2,794	68	1,557			
15 to 24 years.....	22,731	15,291	4,590	1,948	919	5 to 14 years.....	35,646	36,195	5,836	546	3,046			
25 to 44 years.....	40,303	29,104	9,292	5,872	2,920	15 to 24 years.....	45,314	30,680	7,788	2,274	4,259			
45 to 64 years.....	19,791	10,264	5,297	3,536	746	25 to 44 years.....	83,848	50,610	16,424	8,033	8,735			
65 years and over.....	5,111	2,644	536	1,775	136	45 to 64 years.....	39,712	22,597	7,722	5,878	3,494			
						65 years and over.....	9,851	5,571	811	2,913	656			
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	All ages, per cent.....	100.0	100.0	100.0	100.0	100.0			
Under 5 years.....	9.1	11.0	8.8	0.8	7.7	Under 5 years.....	8.0	9.5	6.7	0.3	7.1			
5 to 14 years.....	15.4	18.1	14.3	4.4	12.7	5 to 14 years.....	15.3	17.4	14.1	2.7	14.0			
15 to 24 years.....	19.5	21.1	18.0	14.1	19.0	15 to 24 years.....	19.4	20.6	15.8	11.5	19.5			
25 to 44 years.....	34.6	32.0	36.4	42.4	41.7	25 to 44 years.....	35.9	33.6	39.7	40.7	40.0			
45 to 64 years.....	17.0	14.2	20.5	25.5	15.4	45 to 64 years.....	17.0	15.0	18.6	29.7	16.0			
65 years and over.....	4.4	3.7	2.1	12.8	3.2	65 years and over.....	4.3	3.7	2.0	14.7	3.0			
<b>Denver, Colo.</b>														
All ages, number.....	213,381	106,945	61,155	38,941	5,426	<b>Jersey City, N. J.</b>								
Under 5 years.....	16,879	9,867	6,474	200	313	All ages, number.....	267,779	74,861	109,101	77,697	5,960			
5 to 14 years.....	32,594	17,684	12,633	1,536	632	Under 5 years.....	29,457	11,362	17,004	530	557			
15 to 24 years.....	40,374	21,624	13,938	4,306	933	5 to 14 years.....	52,398	19,830	28,394	3,311	862			
25 to 44 years.....	77,659	37,137	19,706	17,884	2,446	15 to 24 years.....	53,484	16,135	23,675	12,611	3,046			
45 to 64 years.....	37,375	16,648	7,605	12,550	920	25 to 44 years.....	88,145	18,656	29,758	37,002	2,625			
65 years and over.....	7,703	3,983	747	2,819	142	45 to 64 years.....	36,340	6,991	9,534	19,004	779			
						65 years and over.....	7,732	1,764	708	5,198	82			
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	All ages, per cent.....	100.0	100.0	100.0	100.0	100.0			
Under 5 years.....	7.9	9.2	10.6	0.5	5.8	Under 5 years.....	11.0	15.2	15.6	0.7	9.3			
5 to 14 years.....	15.2	16.5	20.6	3.9	11.6	5 to 14 years.....	19.6	26.5	26.0	4.3	14.5			
15 to 24 years.....	18.9	19.7	22.8	11.1	17.2	15 to 24 years.....	20.0	21.6	21.7	16.2	17.5			
25 to 44 years.....	36.4	34.7	32.2	45.9	45.4	25 to 44 years.....	32.9	24.9	27.3	47.6	44.0			
45 to 64 years.....	17.5	15.6	12.4	30.9	17.0	45 to 64 years.....	13.6	9.3	8.7	24.5	13.1			
65 years and over.....	3.6	3.7	1.2	7.2	2.6	65 years and over.....	2.9	2.4	0.6	6.7	1.4			
<b>Detroit, Mich.</b>														
All ages, number.....	465,766	115,106	188,255	156,585	5,741	<b>Kansas City, Mo.</b>								
Under 5 years.....	48,715	16,615	30,054	1,715	330	All ages, number.....	248,381	153,717	45,633	25,327	23,566			
5 to 14 years.....	77,668	22,622	46,242	8,099	685	Under 5 years.....	18,598	13,110	4,692	174	1,211			
15 to 24 years.....	99,241	24,958	46,371	26,892	1,081	5 to 14 years.....	34,138	23,611	7,536	1,116	2,406			
25 to 44 years.....	188,838	34,735	49,464	72,049	2,550	15 to 24 years.....	36,579	32,480	9,851	3,218	4,700			
45 to 64 years.....	65,166	12,328	14,725	37,191	899	25 to 44 years.....	46,941	34,891	16,857	10,989	11,150			
65 years and over.....	15,306	3,209	1,345	10,572	174	45 to 64 years.....	39,673	22,591	6,494	7,340	3,214			
						65 years and over.....	8,641	5,086	612	2,422	490			
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	All ages, per cent.....	100.0	100.0	100.0	100.0	100.0			
Under 5 years.....	10.5	14.4	16.0	1.1	5.7	Under 5 years.....	7.5	8.5	9.0	0.7	5.1			
5 to 14 years.....	16.7	19.7	24.6	5.2	11.9	5 to 14 years.....	13.7	15.0	16.5	4.4	10.5			
15 to 24 years.....	21.3	21.7	24.6	17.1	18.8	15 to 24 years.....	21.7	20.3	21.7	18.9	17.9			
25 to 44 years.....	44.1	30.2	36.3	46.0	46.8	25 to 44 years.....	36.8	35.7	36.9	43.4	47.3			
45 to 64 years.....	14.0	10.7	7.8	23.8	15.7	45 to 64 years.....	16.0	14.7	14.2	28.0	13.6			
65 years and over.....	3.3	2.8	0.7	6.8	3.0	65 years and over.....	3.5	3.3	1.4	9.6	2.1			



## 141

[Totals for all ages include persons of unknown age.]

Minneapolis, Minn.

CITY AND AGE PERIOD.		NATIVE WHITE.				Negro.			
All classes.	Native parent-age.	Foreign or mixed parentage.	Foreign-born white.	Negro.	All classes.	Native parent-age.	Foreign or mixed parentage.	Foreign-born white.	Negro.
<b>Los Angeles, Cal.</b>									
All ages, number.	313, 198	169, 967	74, 756	60, 584	7, 599				
Under 5 years.	22, 817	13, 381	8, 022	535	556				
5 to 14 years.	41, 517	23, 668	13, 540	3, 026	1, 062				
15 to 24 years.	57, 621	32, 522	17, 745	4, 431	1, 423				
25 to 44 years.	121, 775	61, 974	25, 693	27, 601	3, 103				
45 to 64 years.	59, 639	30, 359	10, 330	16, 709	1, 244				
65 years and over.	15, 439	8, 822	1, 475	4, 916	184				
All ages, per cent.	100.0	100.0	100.0	100.0	100.0				
Under 5 years.	7.1	7.9	10.7	0.9	7.3				
5 to 14 years.	13.0	13.9	18.1	5.0	13.8				
15 to 24 years.	18.5	18.1	20.9	12.6	18.2				
25 to 44 years.	38.5	36.4	34.4	45.6	40.8				
45 to 64 years.	18.7	17.9	13.8	27.6	16.4				
65 years and over.	4.8	5.2	2.0	8.1	2.4				
<b>Louisville, Ky.</b>									
All ages, number.	223, 928	113, 543	52, 411	17, 436	40, 522				
Under 5 years.	18, 818	13, 827	2, 514	49	2, 458				
5 to 14 years.	37, 418	24, 954	6, 658	387	5, 409				
15 to 24 years.	56, 279	36, 570	12, 638	1, 383	8, 432				
25 to 44 years.	75, 443	32, 052	21, 578	5, 467	16, 311				
45 to 64 years.	36, 655	12, 662	11, 146	6, 463	6, 379				
65 years and over.	8, 976	5, 015	969	3, 796	1, 286				
All ages, per cent.	100.0	100.0	100.0	100.0	100.0				
Under 5 years.	8.4	12.2	4.8	0.3	6.1				
5 to 14 years.	16.7	22.0	12.7	2.4	13.4				
15 to 24 years.	26.7	23.8	18.2	7.6	20.8				
25 to 44 years.	33.7	28.2	41.2	31.4	40.3				
45 to 64 years.	16.4	11.2	21.3	37.1	15.7				
65 years and over.	4.0	2.7	1.8	21.3	3.2				
<b>Lowell, Mass.</b>									
All ages, number.	106, 284	20, 703	41, 942	43, 457	133				
Under 5 years.	10, 437	2, 343	7, 681	400	111				
5 to 14 years.	18, 627	12, 002	12, 773	1, 379	208				
15 to 24 years.	21, 243	3, 447	9, 418	8, 343	25				
25 to 44 years.	35, 046	5, 484	9, 153	26, 227	49				
45 to 64 years.	16, 901	4, 058	3, 698	9, 706	26				
65 years and over.	4, 389	1, 682	268	2, 451	41				
All ages, per cent.	100.0	100.0	100.0	100.0	100.0				
Under 5 years.	9.8	11.3	18.3	0.9	8.3				
5 to 14 years.	17.0	57.3	30.3	3.1	15.8				
15 to 24 years.	20.1	16.6	22.5	14.4	18.8				
25 to 44 years.	33.0	26.5	21.8	86.8	36.8				
45 to 64 years.	15.9	13.6	7.4	22.3	19.5				
65 years and over.	4.1								

## DISTRIBUTION BY AGE PERIODS OF THE POPULATION IN CITIES OF 100,000 INHABITANTS OR MORE: 1910—Contd.

[Totals for all ages include persons of unknown age.]

Table 15—Continued.

Table 15—Continued.		NATIVE WHITE.				Foreign-born white.	Negro.	CITY AND AGE PERIOD.		NATIVE WHITE.				Foreign-born white.	Negro.
CITY AND AGE PERIOD.		All classes.	Native parent-age.	Foreign or mixed parentage.	Foreign-born white.			All classes.	Native parent-age.	Foreign or mixed parentage.	Foreign-born white.				
New York, N. Y.—Continued.															
Bronx Borough.															
All ages, number.....		430,980	92,659	185,146	148,935	4,117		All ages, number.....		124,086	52,917	39,595	27,068	4,426	
Under 5 years.....		46,704	15,025	30,361	7,408	303		Under 5 years.....		10,439	5,452	4,583	176	243	
5 to 14 years.....		83,699	25,901	50,298	26,862	588		5 to 14 years.....		18,435	8,621	8,667	1,093	441	
15 to 24 years.....		144,344	21,008	40,669	26,862	736		15 to 24 years.....		20,800	7,641	10,719	5,611	796	
25 to 44 years.....		222,210	32,210	47,767	72,750	1,684		25 to 44 years.....		49,647	18,390	11,689	12,387	2,212	
45 to 64 years.....		58,215	6,956	15,479	35,182	520		45 to 64 years.....		19,675	7,048	3,603	7,750	640	
65 years and over.....		11,726	1,775	1,097	8,663	186		65 years and over.....		4,043	1,029	301	2,024	88	
All ages, per cent.....		100.0	100.0	100.0	100.0	100.0		All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	
Under 5 years.....		10.8	16.2	16.4	0.6	7.5		Under 5 years.....		8.4	10.3	11.6	0.7	5.5	
5 to 14 years.....		19.4	27.4	27.2	3.0	14.3		5 to 14 years.....		15.0	16.2	16.1	4.0	18.0	
15 to 24 years.....		19.9	22.7	21.7	16.0	17.9		15 to 24 years.....		16.7	22.2	27.1	13.3	18.0	
25 to 44 years.....		33.5	24.0	25.8	48.8	40.9		25 to 44 years.....		36.0	34.6	29.5	45.8	50.0	
45 to 64 years.....		13.5	7.6	8.4	23.6	12.6		45 to 64 years.....		15.4	13.3	9.1	28.6	14.5	
65 years and over.....		2.7	1.9	0.6	5.8	4.5		65 years and over.....		3.3	3.1	0.8	7.5	2.0	
Brooklyn Borough.															
All ages, number.....		1,634,351	375,548	663,583	571,356	22,708		All ages, number.....		125,600	28,392	50,179	45,398	1,539	
Under 5 years.....		193,183	53,014	124,664	4,271	1,824		Under 5 years.....		12,546	5,610	8,407	309	132	
5 to 14 years.....		315,918	90,934	181,259	40,600	3,065		5 to 14 years.....		23,959	6,297	14,600	2,726	243	
15 to 24 years.....		323,493	82,710	132,777	103,475	4,396		15 to 24 years.....		25,081	5,566	11,754	7,357	296	
25 to 44 years.....		531,449	96,773	139,944	264,174	9,904		25 to 44 years.....		40,495	8,003	11,486	20,324	634	
45 to 64 years.....		227,472	39,749	59,475	125,040	2,951		45 to 64 years.....		18,623	5,562	3,422	11,420	387	
65 years and over.....		51,776	12,273	5,367	33,593	534		65 years and over.....		4,718	1,134	390	3,149	45	
All ages, per cent.....		100.0	100.0	100.0	100.0	100.0		All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	
Under 5 years.....		11.2	14.1	18.8	0.7	8.0		Under 5 years.....		10.0	12.7	16.8	0.9	8.6	
5 to 14 years.....		19.3	24.2	27.3	7.1	13.5		5 to 14 years.....		19.1	22.2	29.3	6.0	15.8	
15 to 24 years.....		22.0	25.0	26.4	18.1	19.4		15 to 24 years.....		20.0	19.9	23.4	16.2	19.2	
25 to 44 years.....		32.5	25.8	24.1	46.2	43.6		25 to 44 years.....		32.2	19.1	22.2	41.2	41.2	
45 to 64 years.....		13.9	10.6	9.0	21.9	13.0		45 to 64 years.....		14.8	12.5	6.8	25.2	12.2	
65 years and over.....		3.2	3.3	0.8	5.9	2.4		65 years and over.....		3.8	4.0	0.8	6.9	2.9	
Queens Borough.															
All ages, number.....		264,041	80,607	120,969	79,115	3,198		All ages, number.....		1,549,008	584,008	496,785	382,578	84,459	
Under 5 years.....		31,847	13,700	17,432	412	298		Under 5 years.....		152,921	67,226	76,097	2,722	6,863	
5 to 14 years.....		59,062	22,989	32,621	2,059	485		5 to 14 years.....		206,039	113,172	117,982	24,016	10,830	
15 to 24 years.....		55,090	16,981	26,918	10,512	665		15 to 24 years.....		299,722	119,449	99,445	65,043	15,667	
25 to 44 years.....		89,970	18,671	32,737	37,258	1,204		25 to 44 years.....		516,378	175,792	131,732	170,732	38,197	
45 to 64 years.....		30,702	6,455	10,517	22,778	427		45 to 64 years.....		248,504	82,929	63,277	91,083	10,854	
65 years and over.....		8,598	1,778	732	5,673	115		65 years and over.....		62,689	24,597	7,924	28,402	1,752	
All ages, per cent.....		100.0	100.0	100.0	100.0	100.0		All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	
Under 5 years.....		11.2	17.0	14.4	0.5	9.3		Under 5 years.....		9.9	11.5	15.3	0.7	8.1	
5 to 14 years.....		20.8	28.5	27.0	3.7	15.2		5 to 14 years.....		17.2	19.4	23.8	6.3	12.8	
15 to 24 years.....		19.4	21.1	22.3	13.3	20.8		15 to 24 years.....		19.3	20.5	20.0	17.0	14.8	
25 to 44 years.....		31.7	23.2	27.1	47.1	37.6		25 to 44 years.....		33.4	30.0	26.5	44.6	45.2	
45 to 64 years.....		11.6	8.4	8.4	28.4	17.6		45 to 64 years.....		16.0	14.2	12.7	23.8	12.9	
65 years and over.....		2.9	2.2	0.6	7.2	3.6		65 years and over.....		4.0	4.2	1.6	7.4	2.1	
Richmond Borough.															
All ages, number.....		85,969	26,243	32,235	24,278	1,152		All ages, number.....		533,905	176,069	191,483	140,436	25,823	
Under 5 years.....		8,852	3,612	4,959	174	107		Under 5 years.....		57,788	23,644	31,003	809	2,240	
5 to 14 years.....		17,572	7,182	9,125	1,065	197		5 to 14 years.....		95,195	37,816	47,076	6,308	3,785	
15 to 24 years.....		15,595	5,530	6,190	1,503	240		15 to 24 years.....		108,069	37,656	41,656	29,069	4,389	
25 to 44 years.....		27,114	7,139	8,344	11,181	401		25 to 44 years.....		183,046	54,305	49,246	67,761	11,602	
45 to 64 years.....		12,835	3,326	3,261	6,078	162		45 to 64 years.....		73,016	18,629	19,844	31,731	3,076	
65 years and over.....		3,969	1,436	352	2,137	44		65 years and over.....		15,229	3,803	2,451	8,564	409	
All ages, per cent.....		100.0	100.0	100.0	100.0	100.0		All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	
Under 5 years.....		10.3	12.8	15.4	0.7	9.3		Under 5 years.....		10.8	13.4	16.2	0.6	8.7	
5 to 14 years.....		20.4	25.4	28.3	4.4	17.1		5 to 14 years.....		17.8	21.5	24.6	4.6	14.8	
15 to 24 years.....		18.1	19.6	19.2	15.0	20.8		15 to 24 years.....		20.3	21.1	21.8	17.8	17.2	
25 to 44 years.....		31.5	25.3	25.9	46.1	34.8		25 to 44 years.....		34.3	30.8	25.7	48.3	45.3	
45 to 64 years.....		14.9	11.8	10.1	25.0	14.1		45 to 64 years.....		13.7	16.6	14.0	22.3	12.0	
65 years and over.....		4.6	5.1	1.1	8.8	3.8		65 years and over.....		2.9	2.2	1.3	6.1	1.6	
Newark, N. J.															
All ages, number.....		347,469	94,737	132,350	110,655	9,475		All ages, number.....		207,214	104,163	51,009	43,780	1,945	
Under 5 years.....		42,821	12,273	18,481	1,884	814		Under 5 years.....		14,158	8,315	5,321	352	45	
5 to 14 years.....		64,397	20,718	34,959	7,369	1,338		5 to 14 years.....		24,851	13,634	9,265	1,769	74	
15 to 24 years.....		68,698	19,882	27,197	20,153	1,754		15 to 24 years.....		41,793	21,457	13,062	6,499	135	
25 to 44 years.....		114,736	26,705	32,791	51,119	3,981		25 to 44 years.....		83,081	42,478	17,614	21,796	609	
45 to 64 years.....		27,114	7,139	8,344	11,181	401		45 to 64 years.....		34,555	14,874	10,796	10,796	163	
65 years and over.....		11,321	3,521	1,018	6,562	216		65 years and over.....		6,538	3,248	608	2,517	16	
All ages, per cent.....		100.0	100.0	100.0	100.0	100.0		All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	
Under 5 years.....		11.1	13.0	18.3	0.9	9.2		Under 5 years.....		6.8	8.0	10.4	0.8	4.3	
5 to 14 years.....		18.5	21.9	26.4	6.7	14.1		5 to 14 years.....		12.0	13.1	18.0	4.0	7.1	
15 to 24 years.....		19.8	20.7	20.5	18.2	18.5		15 to 24 years.....		20.2	20.6	21.9	14.3	12.9	
25 to 44 years.....		33.0	28.2	24.8	46.2	42.0		25 to 44 years.....		41.1	42.0	31.5	49.8	58.3	
45 to 64 years.....		14.2	12.1	9.1	22.0	13.6		45 to 64 years.....		16.7	14.3	10.1	24.7	15.6	
65 years and over.....		3.3	3.7	0.8	5.9	2.3		65 years and over.....		3.2	3.1	1.2	5.7	1.5	
Oakland, Cal.															
All ages, number.....		150,174	55,198	49,936	36,822	3,055		All ages, number.....		224,326	59,866	82,354	76,303	5,316	
Under 5 years.....		12,585	6,349	5,592	135	216		Under 5 years.....		21,814	5,933	14,851	548	458	
5 to 14 years.....		21,143	9,217	9,755	1,239	314		5 to 14 years.....		37,012	16,006	21,910	4,293	314	
15 to 24 years.....		27,426	10,198	11,892	3,904	521		15 to 24 years.....		42,715	10,715	16,713	14,340	908	
25 to 44 years.....		55,999	18,146	16,979	16,519	1,372		25 to 44 years.....		70,757	17,859	20,771	35,887	2,084	
45 to 64 years.....		26,483	8,332	5,082	11,112	529		45 to 64 years.....		36,441	10,870	7,491	17,048	920	
65 years and over.....		7,962	2,715	630	5,330	101		65 years and over.....		9,311	4,398	2,726	4,140	179	
All ages, per cent.....		100.0	100.0	100.0	100.0	100.0		All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	
Under 5 years.....		8.4	11.4	11.2	0.5	7.1		Under 5 years.....		9.7	9.9	18.0	0.7	8.6	
5 to 14 years.....		14.1	17.1	19.5	3.4	10.3		5 to 14 years.....		16.5	16.8	26.6	5.5	14.2	
15 to 24 years.....		18.3	18.5	23.8	10.6	17.1		15 to 24 years.....		19.0	17.9	20.3	18.8	17.1	
25 to 44 years.....		36.7	32.4	34.0	44.9	44.9		25 to 44 years.....		31.2	29.8	25.2	47.0	39.2	
45 to 64 years.....		17.6	15.1	10.2	30.2	17.3		45 to 64 years.....		16.2	18.1	9.1	23.3	17.3	
65 years and over.....		4.9	4.0	1.3	10.4	3.3		65 years and over.....		4.2	7.3	0.7	5.4	3.4	

## AGE DISTRIBUTION.

143

DISTRIBUTION BY AGE PERIODS OF THE POPULATION IN CITIES OF 100,000 INHABITANTS OR MORE: 1910—Contd.

[Totals of all ages include persons of unknown age.]

Table 15—Continued.

Table 15—Continued.										NATIVE WHITE.										
CITY AND AGE PERIOD.		All classes.	Native parent-age.	Foreign or mixed parentage.	Foreign-born white.	Negro.	CITY AND AGE PERIOD.		All classes.	Native parent-age.	Foreign or mixed parentage.	Foreign-born white.	Negro.	CITY AND AGE PERIOD.		All classes.	Native parent-age.	Foreign or mixed parentage.	Foreign-born white.	Negro.
Richmond, Va.					Seattle, Wash.					St. Louis, Mo.					St. Paul, Minn.					
All ages, number.....		127,626	69,130	7,654	4,085	46,733	All ages, number.....		237,134	105,764	61,134	60,835	2,296	All ages, number.....		687,023	269,836	246,946	125,706	43,860
Under 5 years.....		11,602	6,832	724	27	4,019	Under 5 years.....		17,043	8,963	7,230	447	99	Under 5 years.....		40,169	20,902	19,672	825	2,985
5 to 14 years.....		21,818	12,643	1,228	271	7,726	5 to 14 years.....		29,614	15,015	12,113	2,155	165	5 to 14 years.....		110,883	62,016	57,892	5,672	5,268
15 to 24 years.....		25,210	15,310	1,421	598	11,221	15 to 24 years.....		46,142	29,516	14,675	3,769	354	15 to 24 years.....		143,303	65,643	53,077	15,973	8,554
25 to 44 years.....		42,679	21,925	2,621	1,704	16,420	25 to 44 years.....		99,747	41,383	29,343	32,694	1,396	25 to 44 years.....		251,497	75,222	96,900	49,605	19,715
45 to 64 years.....		18,300	9,654	1,443	1,045	6,153	45 to 64 years.....		35,927	15,108	6,141	13,958	271	45 to 64 years.....		104,660	23,849	36,733	37,494	6,376
65 years and over.....		4,599	2,776	218	518	1,038	65 years and over.....		6,246	3,037	589	2,583	31	65 years and over.....		25,095	5,318	2,513	15,973	1,252
All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	All ages, per cent.....		100.0	100.0	100.0	100.0	100.0
Under 5 years.....		9.1	9.9	9.4	0.7	8.6	Under 5 years.....		7.2	8.5	11.8	0.7	4.3	Under 5 years.....		8.7	13.7	8.0	0.7	6.1
5 to 14 years.....		17.1	18.3	16.0	5.4	16.5	5 to 14 years.....		12.5	14.2	19.8	3.5	7.2	5 to 14 years.....		16.1	23.0	15.3	4.5	12.0
15 to 24 years.....		22.3	22.0	18.5	13.9	24.0	15 to 24 years.....		19.5	19.4	24.0	15.4	15.4	15 to 24 years.....		20.9	24.3	21.5	12.7	19.5
25 to 44 years.....		33.4	31.7	34.2	41.7	35.1	25 to 44 years.....		42.1	39.1	33.3	53.7	56.9	25 to 44 years.....		35.2	27.9	29.2	39.5	44.8
45 to 64 years.....		14.3	14.0	18.8	25.6	13.2	45 to 64 years.....		15.1	14.3	10.0	22.9	11.8	45 to 64 years.....		15.3	8.8	14.9	14.9	14.5
65 years and over.....		3.6	4.0	2.8	12.7	2.2	65 years and over.....		2.6	2.9	1.0	4.2	1.4	65 years and over.....		3.6	2.0	1.0	12.7	2.8
Rochester, N. Y.					Spokane, Wash.					Syracuse, N. Y.					Toledo, Ohio.					
All ages, number.....		218,149	74,525	83,687	58,993	879	All ages, number.....		104,402	54,574	27,277	21,220	723	All ages, number.....		137,249	58,408	46,912	30,751	1,124
Under 5 years.....		19,066	8,625	9,807	576	589	Under 5 years.....		9,065	5,895	2,912	213	37	Under 5 years.....		11,832	5,960	5,631	30,751	1,124
5 to 14 years.....		33,903	15,313	16,117	3,162	1,109	5 to 14 years.....		15,104	9,110	5,187	576	109	5 to 14 years.....		21,398	10,273	9,602	1,375	146
15 to 24 years.....		43,959	16,389	17,565	9,813	1,779	15 to 24 years.....		29,685	11,098	6,373	2,972	118	15 to 24 years.....		25,314	9,334	9,334	5,173	179
25 to 44 years.....		74,917	22,526	26,687	25,295	370	25 to 44 years.....		40,620	19,323	9,553	11,056	388	25 to 44 years.....		47,096	18,250	14,626	13,433	478
45 to 64 years.....		36,705	9,393	12,323	14,839	151	45 to 64 years.....		15,724	7,332	2,991	5,151	101	45 to 64 years.....		26,620	8,779	6,845	7,617	299
65 years and over.....		9,463	3,024	1,161	5,283	12	65 years and over.....		2,745	1,484	280	986	11	65 years and over.....		6,248	2,741	541	2,927	38
All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	All ages, per cent.....		100.0	100.0	100.0	100.0	100.0
Under 5 years.....		8.7	11.6	11.7	1.0	6.6	Under 5 years.....		8.7	10.8	10.7	1.0	5.1	Under 5 years.....		8.7	10.2	12.0	0.7	5.9
5 to 14 years.....		15.5	19.3	19.3	3.4	12.5	5 to 14 years.....		12.5	14.2	19.8	3.5	7.2	5 to 14 years.....		15.6	17.6	20.5	4.5	13.0
15 to 24 years.....		20.2	22.0	21.0	16.6	20.4	15 to 24 years.....		19.8	20.3	23.4	14.0	16.3	15 to 24 years.....		19.7	21.1	19.9	16.8	15.9
25 to 44 years.....		34.3	30.2	31.9	42.9	42.1	25 to 44 years.....		38.9	35.4	35.0	52.1	53.7	25 to 44 years.....		34.3	31.2	31.8	43.6	42.5
45 to 64 years.....		16.8	12.6	14.7	25.1	17.2	45 to 64 years.....		15.1	13.4	11.0	24.3	14.0	45 to 64 years.....		17.1	15.0	14.6	24.7	18.6
65 years and over.....		4.3	4.1	1.4	8.9	1.4	65 years and over.....		2.6	2.7	1.0	4.6	1.5	65 years and over.....		4.6	4.7	1.2	9.5	3.4
St. Louis, Mo.					Syracuse, N. Y.					Toledo, Ohio.					Washington, D. C.					
All ages, number.....		687,023	269,836	246,946	125,706	43,860	All ages, number.....		137,249	58,408	46,912	30,751	1,124	All ages, number.....		331,069	166,711	55,066	24,351	94,446
Under 5 years.....		40,169	20,902	19,672	825	2,985	Under 5 years.....		11,832	5,960	5,631	30,751	1,124	Under 5 years.....		26,669	15,476	3,746	139	7,220
5 to 14 years.....		110,883	62,016	57,892	5,672	5,268	5 to 14 years.....		21,398	10,273	9,602	1,375	146	5 to 14 years.....		49,961	27,806	6,739	982	14,703
15 to 24 years.....		143,303	65,643	53,077	15,973	8,554	15 to 24 years.....		27,005	12,314	9,334	5,173	179	15 to 24 years.....		74,530	34,536	12,222	2,832	19,345
25 to 44 years.....		251,497	75,222	96,900	49,605	19,715	25 to 44 years.....		47,096	18,250	14,626	13,433	478	25 to 44 years.....		119,376	55,676	17,222	10,463	35,790
45 to 64 years.....		104,660	23,849	36,733	37,494	6,376	45 to 64 years.....		26,620	8,779	6,845	7,617	299	45 to 64 years.....		54,275	25,962	8,268	6,329	13,580
65 years and over.....		25,095	5,318	2,513	15,973	1,252	65 years and over.....		6,248	2,741	541	2,927	38	65 years and over.....		17,017	9,128	1,484	3,439	2,957
All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	All ages, per cent.....		100.0	100.0	100.0	100.0	100.0
Under 5 years.....		8.7	13.7	8.0	0.7	6.1	Under 5 years.....		8.7	10.2	12.0	0.7	5.9	Under 5 years.....		8.1	9.3	8.3	0.6	7.2
5 to 14 years.....		16.1	23.0	15.3	4.5	12.0	5 to 14 years.....		15.6	17.6	20.5	4.5	13.0	5 to 14 years.....		15.1	16.7	15.0	4.0	15.2
15 to 24 years.....		20.9	24.3	21.5	12.7	19.5	15 to 24 years.....		19.7	21.1	19.9	16.8	15.9	15 to 24 years.....		18.9	19.2	16.7	11.9	21.1
25 to 44 years.....		35.2	27.9	29.2	39.5	44.8	25 to 44 years.....		34.3	31.2	31.8	43.6	42.5	25 to 44 years.....		36.1	33.4	38.2	43.0	37.9
45 to 64 years.....		15.3	8.8	14.9	14.9	14.5	45 to 64 years.....		17.1	15.0	14.6	24.7	18.6	45 to 64 years.....		16.1	13.2	12.0	30.3	17.0
65 years and over.....		3.6	2.0	1.0	12.7	2.8	65 years and over.....		4.6	4.7	1.2	9.5	3.4	65 years and over.....		4.0	3.3	1.1	11.0	3.6
St. Paul, Minn.					Toledo, Ohio.					Washington, D. C.					Worcester, Mass.					
All ages, number.....		214,744	61,594	93,398	58,524	3,144	All ages, number.....		168,497	75,147	59,383	32,037	1,877	All ages, number.....		145,986	41,421	54,751	48,492	1,241
Under 5 years.....		18,426	7,980	9,952	326	164	Under 5 years.....		15,891	8,834	6,778	164	114	Under 5 years.....		14,492	4,363	9,705	318	164
5 to 14 years.....		35,084	12,196	20,664	1,937	289	5 to 14 years.....		29,014	14,708	12,707	1,877	217	5 to 14 years.....		24,976	7,190	15,492	2,167	194
15 to 24 years.....		50,147	14,748	27,602	7,222	509	15 to 24 years.....		33,147	15,444	13,456	3,900	342	15 to 24 years.....		27,833	7,154	12,021	8,406	194
25 to 44 years.....		73,422	19,137	27,418	15,467	1,681	25 to 44 years.....		66,543	26,708	18,664	13,333	814	25 to 44 years.....		51,937	33,676	17,222	10,463	35,790
45 to 64 years.....		30,900	6,198	7,292	16,966	430	45 to 64 years.....		27,085	9,904	7,128	9,716	319	45 to 64 years.....		54,275	25,962	8,268	6,329	13,580
65 years and over.....		6,316	1,283	434	4,529	70	65 years and over.....		6,757	2,516	640	3,533	68	65 years and over.....		17,017	9,128	1,484	3,439	2,957
All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	All ages, per cent.....		100.0	100.0	100.0	100.0	100.0	All ages, per cent.....		100.0	100.0	100.0	100.0	100.0
Under 5 years.....		8.6	13.0	10.7	0.6	5.2	Under 5 years.....		9.4	11.8	11.4	0.5	6.1	Under 5 years.....		9.9	10.5	17.7	0.7	8.4
5 to 14 years.....		16.3	19.8	22.1	3.4	9.2	5 to 14 years.....		17.2	19.6	21.4	4.3	11.6	5 to 14 years.....		15.1	16.7	15.0	4.0	15.2
15 to 24 years.....		23.4	23.9	25.6	12.8	16.2	15 to 24 years.....		19.7	20.6	22.7	12.2	18.2	15 to 24 years.....		18.9	19.2	16.7	11.9	21.1
25 to 44 years.....		34.3	31.1	29.4	45.1	33.5	25 to 44 years.....		33.6	31.5	31.4	41.6	41.4	25 to 44 years.....		36.1	33.4	38.2	43.0	37.9
45 to 64 years.....		14.4	10.1	7.8	30.0	13.7	45 to 64 years.....		16.1	13.2	12.0	30.3	17.0	45 to 64 years.....		16.1	13.2	12.0	30.3	17.0
65 years and over.....		2.9	2.1	0.5	8.0	2.2	65 years and over.....</													

## ABSTRACT OF THE CENSUS—POPULATION.

DISTRIBUTION BY AGE PERIODS OF THE POPULATION IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910.

Table 16

[illegible]

## DISTRIBUTION BY AGE PERIODS OF THE POPULATION IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910—Continued.

Table 16—Continued.		AGE PERIODS.						CITY.	AGE PERIODS.					
CITY.		Under 5 years.	5 to 14 years.	15 to 24 years.	25 to 44 years.	45 to 64 years.	65 years and over.		Under 5 years.	5 to 14 years.	15 to 24 years.	25 to 44 years.	45 to 64 years.	65 years and over.
<b>North Carolina</b>								<b>South Carolina</b>						
Charlotte.....	3,981	6,702	7,706	10,532	4,120	896		Charleston.....	5,660	10,756	12,698	19,441	7,987	2,042
Wilmington.....	2,827	4,745	5,375	7,936	3,500	872		Columbia.....	2,570	4,600	5,962	8,969	3,235	743
<b>Ohio</b>								<b>Tennessee</b>						
Akron.....	6,758	10,393	15,164	24,198	10,135	2,353		Chattanooga.....	3,937	7,154	10,145	16,244	5,670	1,235
Canton.....	4,539	8,026	10,379	17,468	7,727	1,900		Knoxville.....	3,187	6,251	8,646	11,986	4,989	1,066
Hamilton.....	3,436	6,317	6,980	11,430	5,493	1,608		<b>Texas</b>						
Lima.....	2,885	5,356	6,218	10,089	4,786	1,137		Austin.....	2,007	5,567	6,368	8,942	4,543	1,646
Lorain.....	3,892	5,304	5,490	10,598	3,109	484		Dallas.....	8,048	15,321	20,368	33,610	12,125	2,519
Newark.....	2,136	4,112	4,898	8,732	4,355	1,176		El Paso.....	4,445	7,700	7,558	13,535	4,733	886
Springfield.....	3,975	7,516	9,260	15,011	8,596	2,337		Fort Worth.....	6,850	12,788	16,164	26,640	8,848	1,555
Youngstown.....	8,873	13,078	16,629	29,257	9,187	1,874		Galveston.....	3,232	6,299	7,461	13,433	5,290	1,234
Zanesville.....	2,463	4,306	5,333	9,290	5,002	1,598		Houston.....	6,781	13,167	17,348	28,647	10,414	2,113
<b>Oklahoma</b>								San Antonio.....	9,977	18,181	20,620	30,896	12,889	3,247
Muskogee.....	2,358	4,207	5,435	9,552	3,043	454		Waco.....	2,352	5,343	5,788	8,141	3,445	869
Oklahoma City.....	5,671	9,356	14,419	25,263	7,961	1,409		<b>Utah</b>						
<b>Pennsylvania</b>								Ogden.....	3,068	5,133	5,299	7,741	3,534	707
Allentown.....	5,455	8,779	10,574	16,625	8,184	2,259		Salt Lake City.....	10,451	16,976	18,880	30,306	12,532	3,022
Altoona.....	5,705	9,528	10,314	17,185	7,494	1,855		<b>Virginia</b>						
Chester.....	3,707	6,046	7,776	12,947	5,912	1,522		Lynchburg.....	3,095	5,327	7,012	8,989	3,997	993
Easton.....	2,471	4,552	5,455	9,196	5,211	1,636		Norfolk.....	6,198	11,235	14,459	24,495	9,024	1,978
Erie.....	7,263	12,392	12,520	21,201	9,974	2,592		Portsmouth.....	3,343	5,857	7,862	10,995	4,204	918
Harrisburg.....	5,534	10,054	12,411	22,401	10,775	2,892		Roanoke.....	3,865	6,705	7,967	11,281	4,082	880
Hazleton.....	3,248	5,770	5,181	7,172	3,334	725		<b>Washington</b>						
Johnstown.....	6,810	9,767	12,284	18,675	6,493	1,410		Tacoma.....	7,094	12,685	16,533	30,111	13,008	2,619
Lancaster.....	4,233	7,933	9,114	14,465	8,776	2,686		<b>West Virginia</b>						
McKeesport.....	5,298	8,820	8,947	13,614	5,077	920		Huntington.....	3,302	6,068	6,962	9,882	4,090	834
New Castle.....	4,184	6,298	7,193	12,504	4,884	1,179		Wheeling.....	3,848	7,047	8,290	14,053	6,720	1,589
Norristown borough.....	2,350	4,182	5,131	8,854	5,563	1,740		<b>Wisconsin</b>						
Reading.....	9,543	16,566	18,957	31,020	15,799	4,169		Green Bay.....	2,965	5,193	5,033	7,710	3,224	1,102
Shenandoah borough.....	3,925	5,652	5,277	8,139	2,351	388		La Crosse.....	2,558	5,517	6,609	9,012	4,940	1,543
Wilkes-Barre.....	7,755	13,473	14,055	20,901	8,805	1,958		Madison.....	2,548	3,945	5,538	8,472	4,056	1,216
Williamsport.....	2,722	5,384	6,210	9,908	5,903	1,694		Oshkosh.....	3,343	6,226	6,670	9,539	5,424	1,847
York.....	4,315	7,848	8,839	14,122	7,423	2,201		Racine.....	3,785	6,657	8,013	12,337	5,655	1,519
<b>Rhode Island</b>								Sheboygan.....	2,883	5,176	5,580	7,539	4,093	1,100
Newport.....	2,235	4,043	6,762	8,498	4,257	1,321		Superior.....	4,362	7,668	7,810	15,111	4,715	632
Pawtucket.....	4,874	9,524	10,149	16,738	8,198	2,065								
Warwick town.....	2,786	5,296	5,185	7,867	4,225	1,261								
Woonsocket.....	4,277	7,789	8,426	11,300	5,112	1,203								

## MARITAL CONDITION.

## UNITED STATES AS A WHOLE.

In the census statistics of marital condition, the terms "married," "widowed," or "divorced" refer to the marital status of the person enumerated at the time when the census was taken, so that a person, for instance, who had been widowed or divorced but had remarried would be reported as married.

Table 17 shows, by sex, the marital condition of the total population of the United States (exclusive of all outlying possessions) as reported at the census of 1910.

MARITAL CONDITION.	POPULATION OF ALL AGES: 1910			
	Male.		Female.	
	Number.	Per cent of total.	Number.	Per cent of total.
<b>Total.....</b>	<b>47,332,277</b>	<b>100.0</b>	<b>44,639,989</b>	<b>100.0</b>
Single.....	27,455,607	58.0	23,522,121	52.7
Married, widowed, or divorced.....	19,721,146	41.7	21,049,696	47.2
Married.....	18,043,498	38.2	17,688,169	39.6
Widowed.....	1,471,472	3.1	3,176,426	7.1
Divorced.....	156,176	0.3	185,101	0.4
Marital condition not reported.....	155,524	0.3	68,172	0.2

Of the total number of males of all ages in 1910, 58 per cent were single, 38.2 per cent married, and 3.4 per cent widowed or divorced, the corresponding percentages for females being 52.7, 39.6, and 7.5.

The number of persons under 15 years of age who are married, widowed, or divorced is naturally insignificant, comprising in 1910 only 994 males and 3,713 females. Statistics of marital condition are, therefore, usually confined to persons 15 years of age and over. Table 18 summarizes the data for persons of this class.

MARITAL CONDITION.	POPULATION 15 YEARS OF AGE AND OVER: 1910			
	Male.		Female.	
	Number.	Per cent of total.	Number.	Per cent of total.
<b>Total.....</b>	<b>32,425,805</b>	<b>100.0</b>	<b>30,047,325</b>	<b>100.0</b>
Single.....	12,550,129	38.7	8,933,170	29.7
Married, widowed, or divorced.....	19,720,152	60.8	21,045,983	70.0
Married.....	18,092,600	55.8	17,684,687	58.9
Widowed.....	1,471,390	4.5	3,176,228	10.6
Divorced.....	156,162	0.5	185,068	0.6
Marital condition not reported.....	155,524	0.5	68,172	0.2

There were, in 1910, 32,425,805 males 15 years of age and over and 30,047,325 females, an excess of 2,378,480 males. The number of males to 100 females was 107.9. This excess of males in the adult population of the United States has a most important bearing upon the statistics of marital condition. It accounts in part for the fact that there were 12,550,129 single men, as compared with 8,933,170 single women, or 3,616,959 more of the former than of the

latter. But a further explanation of this disproportion is found in the fact that women marry at an earlier age; in other words, men remain single longer than women, therefore there are more single men at any given time.

Other things being the same, the proportion of the total population who marry will be greater in a community where the sexes are numerically equal than in one where either sex outnumbers the other. In the latter case it is obvious that a certain number of persons of the sex which is in excess must remain single. Considering one sex alone, however, it is obvious that the probability of marriage will increase in proportion as that sex falls below a numerical equality with the other sex and decrease in proportion as it exceeds the other.

Probably remarriage is more common among men than among women, and this may explain in part the great excess of widows over widowers. But without doubt the excess is largely due to the fact that men usually marry at a later age than women, so that the marriage relation is more often broken by death of the husband than by death of the wife. In other words, the excess of single men over single women has as a natural correlative an excess of widows over widowers.

It will be noted that in the population 15 years of age and over, there were, in 1910, 407,913 more married men than married women (18,092,600 as compared with 17,684,687), a condition largely explainable by the presence in the United States of foreign-born married men who left their wives in their native countries. The total number of men 15 years of age and over who in 1910 had been married (that is, the married, widowed, or divorced together) was 19,720,152, or considerably less than the number of the corresponding class of women, 21,045,983.

Marked differences appear between the percentages for males and for females, as shown by Table 18. Of the males, 60.8 per cent were either married, widowed, or divorced, while for the females the proportion was much higher, 70 per cent. Although there were, in absolute numbers, more married men than married women, the percentage married for males (55.8), being based on a larger total, was materially lower than that for females (58.9). The percentages widowed for males and for females were 4.5 and 10.6, respectively. The proportions reported as divorced were 0.5 per cent for males and 0.6 per cent for females.

The number of divorced persons reported by the census, of course, falls short of the number of living persons who have been divorced, as many divorced persons have remarried, and the census, as previously pointed out, reports simply the marital condition of the population at the date of the enumeration. At

the same time it seems practically certain that the census returns as to the number of divorced persons not remarried are below the true total, some divorced persons having been reported as single, some as married, and some as widowed.

It will be noted that there were a limited number of persons whose marital condition was not reported by the enumerators. The number and percentage of such persons are not separately shown in the later tables, as they constitute only 0.2 per cent of the aggregate population. They are in all cases included in the totals on which the percentages single, married, widowed, or divorced are based, but the percentages would not be appreciably different if based exclusively upon the number of persons whose marital condition was reported.

**Age groups.**—No satisfactory analysis of statistics of marital condition can be made without considering age composition. Aside from differences in the relative number of men and women in the population, the proportion which the number of persons who are or have been married forms of the total number of adults depends on three factors: (1) the age at which marriages take place; (2) the duration of life; and (3) the number who permanently remain single. Ordinarily the first factor has greater weight than the others in causing the differences which appear in the statistics for different classes or communities. Of course, in all cases the combined proportion of married, widowed, or divorced persons is lower among young than among older persons. Consequently differences between classes or communities as to the proportion married, widowed, and divorced in the total number of adults may result merely from differences in age distribution and may not appear when comparisons are confined to limited age groups.

Table 19 shows, for 1910, the marital condition of the total population 15 years of age and over, classified by sex and age. The percentages are shown in the accompanying diagram.

This table shows a rapid increase in the combined percentage of married, widowed, or divorced persons with each older age group. For males, for example, only 1.2 per cent in the age group 15 to 19 years were married, widowed, or divorced, as compared with 24.6 per cent in the age group 20 to 24 years, 64.7 per cent in the age group 25 to 34 years, and 93.5 per cent in the group 65 years of age and over.

This table brings out clearly the prevailing difference between men and women as to the age of marriage. In the age group 15 to 19 years the proportion married, widowed, or divorced in 1910 was for males 1.2 per cent and for females 11.6 per cent. In the age group 20 to 24 years the percentages were 24.6 for males and 51.4 for females. In the succeeding age groups the proportions for the sexes rapidly approach equality, and for persons of 65 and over the percentage of males married, widowed, or divorced (93.5) was slightly higher than the percentage of females (93.4).

Table 19

POPULATION: 1910

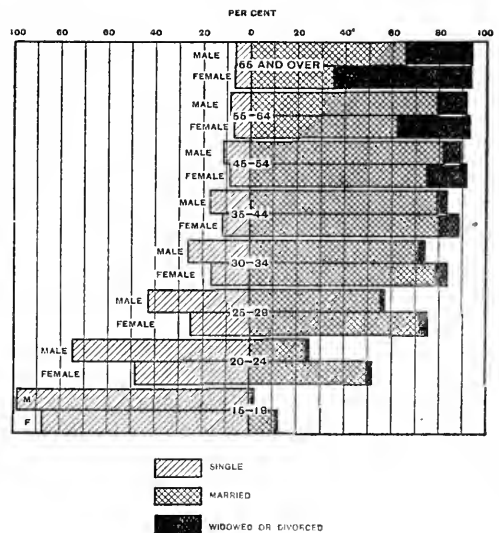
AGE PERIOD AND SEX.			Married, widowed, or divorced.			
	Total. <sup>1</sup>	Single.				
			Total.	Married.	Widowed.	Divorced.
	Number.					
15 years and over:						
Male.....	32,425,805	12,550,129	19,720,152	18,092,600	1,471,390	156,162
Female.....	30,047,325	8,933,170	21,045,983	17,684,887	3,176,228	185,068
15 to 19 years:						
Male.....	4,527,282	4,448,067	53,334	54,877	1,110	347
Female.....	4,536,321	3,985,764	537,150	513,239	10,261	3,650
20 to 24 years:						
Male.....	4,580,290	3,432,161	1,125,640	1,100,093	18,815	6,732
Female.....	4,476,094	2,163,683	2,301,086	2,225,362	55,354	20,370
25 to 34 years:						
Male.....	7,901,116	2,767,957	5,109,771	4,964,769	110,431	34,571
Female.....	7,231,072	1,516,726	5,725,483	5,443,894	224,327	37,262
35 to 44 years:						
Male.....	6,153,366	1,026,502	5,114,542	4,873,153	198,701	42,688
Female.....	5,504,321	628,516	4,871,475	4,410,310	411,896	49,269
45 to 64 years:						
Male.....	7,163,332	722,701	6,428,449	5,771,630	598,642	58,177
Female.....	6,260,757	399,564	5,755,469	4,383,497	1,324,838	47,134
65 years and over:						
Male.....	1,985,976	123,322	1,855,901	1,303,768	539,058	13,075
Female.....	1,963,548	124,223	1,834,796	687,355	1,140,558	6,903
	Per cent.					
15 years and over:						
Male.....	100.0	38.7	70.8	55.8	4.5	0.5
Female.....	100.0	29.7	70.0	55.8	10.6	0.6
15 to 19 years:						
Male.....	100.0	98.3	1.2	1.1	(*)	(*)
Female.....	100.0	87.9	11.6	11.3	0.2	0.1
20 to 24 years:						
Male.....	100.0	74.9	24.6	24.0	0.4	0.1
Female.....	100.0	48.3	51.4	49.7	1.2	0.5
25 to 34 years:						
Male.....	100.0	35.0	64.7	62.8	1.4	0.4
Female.....	100.0	20.9	79.0	75.1	3.1	0.8
35 to 44 years:						
Male.....	100.0	16.7	83.1	79.2	3.2	0.7
Female.....	100.0	11.4	88.5	80.1	7.5	0.9
45 to 64 years:						
Male.....	100.0	10.1	89.7	80.6	8.4	0.8
Female.....	100.0	8.0	91.9	70.0	21.2	0.8
65 years and over:						
Male.....	100.0	6.2	93.5	65.6	27.1	0.7
Female.....	100.0	6.3	93.4	35.0	58.1	0.4

<sup>1</sup> Total includes persons whose marital condition was not reported.

<sup>2</sup> Includes persons of unknown age.

<sup>3</sup> Less than one-tenth of 1 per cent.

## MARITAL CONDITION OF THE POPULATION: 1910.



The differences between the absolute numbers of males and of females, respectively, in the several marital condition classes in the various age groups, as shown by Table 19, are conspicuous. In each of the age groups, except that comprising persons 65 years of age and over, the number of single men in 1910 greatly exceeded the number of single women. On the other hand, in the groups comprising persons from 15 to 34 years of age, the number of married females materially exceeded the number of married males, but the opposite was the case in the groups comprising persons 35 years of age and over. In every age group the widows greatly outnumbered the widowers.

The relation between the number of males and females in the different classes is brought out more clearly in Table 20, which shows, by age groups, the number of males to 100 females in the total population and among single and married, widowed, or divorced persons, respectively.

AGE PERIOD.	NUMBER OF MALES PER 100 FEMALES.			
	Total.	Single.	Married, widowed, or divorced.	
15 years and over.....	107.9	140.5	93.7	
15 to 19 years.....	107.8	111.6	101.1	
20 to 24 years.....	102.3	158.6	48.9	
25 to 34 years.....	109.0	182.5	89.2	
35 to 44 years.....	111.8	163.3	105.0	
45 to 64 years.....	114.4	144.7	111.7	
65 years and over.....	101.1	99.3	101.2	

Table 21 shows the marital condition of the population above specified age limits.

AGE PERIOD AND SEX.	POPULATION 15 YEARS OF AGE AND OVER: <sup>1</sup> 1910				
	Number.			Per cent.	
	Total. <sup>2</sup>	Single.	Married, widowed, or divorced.	Single.	Married, widowed, or divorced.
15 years and over:					
Male.....	32,311,362	12,520,710	19,687,637	38.8	60.9
Female.....	29,992,713	8,918,476	21,015,459	29.7	70.1
20 years and over:					
Male.....	27,784,080	8,072,643	19,634,303	29.1	70.7
Female.....	25,456,392	4,932,712	20,488,309	19.4	80.5
25 years and over:					
Male.....	23,203,790	4,640,482	18,508,663	20.0	79.8
Female.....	20,979,698	2,769,029	18,187,223	13.2	86.7
35 years and over:					
Male.....	15,302,674	1,872,525	13,398,892	12.2	87.6
Female.....	13,728,626	1,252,303	12,461,749	9.1	90.8
45 years and over:					
Male.....	9,149,308	846,023	8,284,350	9.2	90.5
Female.....	8,224,305	623,787	7,590,265	7.6	92.3
65 years and over:					
Male.....	1,985,976	123,322	1,855,901	6.2	93.5
Female.....	1,963,548	124,222	1,834,796	6.3	93.4

<sup>1</sup> Exclusive of persons of unknown age.

<sup>2</sup> Includes persons whose marital condition was not reported.

Color or race, nativity, and parentage.—Table 23 shows for 1910 statistics of marital condition for each color or race, nativity, and parentage group, giving a further classification according to age groups in the case of the more important elements in the population; it shows also the principal comparative figures for 1900.

Table 22, which is derived from Table 23, summarizes the statistics for the white population, classified by nativity and parentage, and for the negroes.<sup>1</sup>

Table 22		POPULATION 15 YEARS OF AGE AND OVER: 1910					
CLASS OF POPULATION AND SEX.	Total. <sup>1</sup>	Single.	Married, widowed, or divorced.				
			Total.	Married.	Widowed.	Divorced.	
Number.							
Total:							
Male.....	32,425,805	12,550,129	19,720,152	18,092,600	1,471,390	156,162	
Female.....	30,047,325	8,933,170	21,045,983	17,684,687	3,176,228	185,068	
Nat. white—Nat. parentage:							
Male.....	16,233,095	6,185,324	9,960,438	9,144,099	728,883	87,456	
Female.....	15,523,900	4,644,122	10,842,998	9,219,385	1,523,560	100,053	
Nat. white—For. or mixed par.:							
Male.....	5,785,137	2,906,042	2,863,173	2,677,706	160,779	24,688	
Female.....	5,887,131	2,453,017	3,421,147	3,008,623	382,318	30,206	
For.-born white:							
Male.....	7,139,893	2,268,916	4,839,920	4,432,135	384,726	23,059	
Female.....	5,446,306	994,110	4,444,657	3,624,003	800,112	20,542	
Negro:							
Male.....	3,059,312	1,083,472	1,959,344	1,749,228	189,970	20,146	
Female.....	3,103,344	823,996	2,269,066	1,775,949	459,831	33,286	
Per cent.							
Total:							
Male.....	100.0	38.7	60.8	55.8	4.5	0.5	
Female.....	100.0	29.7	70.0	58.9	10.6	0.6	
Nat. white—Nat. parentage:							
Male.....	100.0	38.1	61.4	56.3	4.5	0.5	
Female.....	100.0	29.9	69.8	59.4	9.8	0.6	
Nat. white—For. or mixed par.:							
Male.....	100.0	50.2	49.5	46.3	2.8	0.4	
Female.....	100.0	41.7	58.1	51.1	6.5	0.5	
For.-born white:							
Male.....	100.0	31.8	67.8	62.1	5.4	0.3	
Female.....	100.0	18.3	81.6	66.5	14.7	0.4	
Negro:							
Male.....	100.0	35.4	64.0	57.2	6.2	0.7	
Female.....	100.0	26.6	73.1	57.2	14.8	1.1	

<sup>1</sup> Includes persons whose marital condition was not reported.

This table shows that the excess of males in the total population 15 years of age and over is chiefly due to the marked excess of males among the foreign-born whites, although there is an appreciable excess of males also among the native whites of native parentage. For this and other reasons the distribution of the foreign-born whites with respect to marital condition differs materially from that of the other classes.

This table of course gives no direct information with regard to intermarriage among the three groups of white persons, but, beyond question, the three classes, native whites of native parentage, native whites of foreign or mixed parentage, and foreign-born whites, intermarry more or less; consequently there is not necessarily an equality between the number of married males and the number of married females within any one group.

<sup>1</sup> The limited number of Indians, Chinese, and Japanese, and "other" persons may be passed over without discussion further than to point out that the marital condition among the Indians corresponds approximately to that among the negroes, while that among the Chinese and Japanese in this country is quite exceptional, the combined proportion married, widowed, or divorced among these races being very low in the case of males and very high in the case of females. Most of the married Chinese and Japanese men, however, have left their wives in their home countries, and the total number of women of these races in the United States is exceedingly small.



## MARITAL CONDITION.

149

## MARITAL CONDITION OF THE POPULATION OF THE UNITED STATES: 1910.

[Per cent not shown where base is less than 100.]

Table 23

CLASS OF POPULATION AND AGE PERIOD.	MALES 15 YEARS OF AGE AND OVER.								FEMALES 15 YEARS OF AGE AND OVER.							
	Single.		Married.		Widowed.		Divorced.	Total. <sup>1</sup>	Single.		Married.		Widowed.		Divorced.	Total. <sup>1</sup>
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.			Number.	Per cent.	Number.	Per cent.	Number.	Per cent.		
ALL CLASSES: 1910.																
All ages	47,332,277	27,455,607	58.0	18,993,488	38.2	1,471,472	3.1	156,176	44,639,989	23,522,121	62.7	17,688,169	39.6	1,176,426	7.1	185,101
15 years and over	32,425,808	12,590,728	38.7	18,092,600	55.1	1,471,380	4.5	156,162	30,947,325	8,833,170	27.9	17,684,887	58.3	178,228	1.0	165,068
15 to 19 years	4,527,282	4,448,067	98.3	51,877	1.1	1,110	(?)	347	4,536,321	3,985,764	87.9	513,239	11.3	10,261	0.2	3,650
20 to 24 years	4,580,240	3,432,161	74.9	2,100,093	24.0	18,815	0.4	6,732	4,476,694	2,163,083	48.3	2,225,362	49.7	55,354	1.2	20,370
25 to 29 years	4,244,348	1,816,137	42.8	1,353,925	55.5	45,092	1.1	15,503	3,935,655	981,586	24.9	2,823,953	71.8	95,385	2.4	29,153
30 to 34 years	6,950,768	1,651,820	23.8	2,611,244	37.4	65,339	1.8	19,068	3,315,417	535,170	16.1	2,799,959	79.0	128,942	3.9	28,109
35 to 44 years	6,153,966	1,026,302	16.7	4,873,153	79.2	198,701	3.2	42,688	5,504,321	628,516	11.4	4,410,310	80.1	41,896	7.5	49,269
45 to 54 years	4,488,929	499,761	11.1	3,658,931	81.5	286,222	6.4	30,502	3,881,693	331,573	8.5	2,904,493	74.8	610,386	15.7	31,634
55 to 64 years	2,674,403	222,950	8.3	2,112,699	79.0	312,420	11.7	21,675	2,379,698	167,991	7.1	1,479,454	62.2	714,452	30.6	20,200
65 years and over	1,985,976	123,322	6.2	1,303,768	65.6	539,598	27.1	13,075	1,963,548	124,223	6.3	687,335	35.0	1,140,558	58.1	6,903
Age unknown	114,445	29,419	25.7	27,210	23.9	4,435	4.0	572	54,612	14,094	26.9	21,050	38.5	8,994	16.5	480
ALL CLASSES: 1900.																
All ages	38,816,448	23,492,923	60.5	13,956,314	36.0	1,178,008	3.0	84,237	37,178,127	20,491,042	55.1	13,813,787	37.2	717,839	7.3	114,877
15 years and over	25,629,956	10,287,940	40.2	13,955,650	54.5	1,177,976	8.6	84,230	24,249,191	7,566,530	31.2	13,810,057	57.0	712,717	11.2	84,418
15 to 19 years	3,759,451	3,706,882	98.8	37,781	1.0	871	(?)	194	3,805,638	3,374,814	88.7	415,652	10.9	9,336	0.2	2,147
20 to 24 years	3,824,500	2,812,113	73.6	782,992	21.6	14,332	0.4	3,322	3,710,436	1,913,552	51.6	1,726,296	46.5	52,545	1.4	13,124
25 to 29 years	3,323,543	1,520,782	45.8	1,746,620	52.5	38,781	1.2	8,218	3,205,898	882,875	27.5	2,299,357	68.9	91,847	2.9	18,461
30 to 34 years	2,901,321	800,664	27.6	2,025,729	69.8	58,312	2.0	10,307	2,654,718	441,409	16.6	2,017,698	76.0	121,944	4.6	17,384
35 to 44 years	4,872,781	826,201	17.0	3,840,575	78.8	174,535	3.6	22,630	4,339,166	481,678	11.1	3,451,379	79.5	372,677	8.6	29,953
45 to 54 years	3,492,458	349,429	10.3	2,707,354	82.2	230,456	6.8	19,408	2,994,983	234,413	7.8	2,212,222	75.0	528,456	17.6	19,111
55 to 64 years	2,062,424	156,823	7.6	1,644,317	79.7	245,421	11.9	12,297	1,940,111	128,954	6.6	1,172,904	60.5	626,271	32.3	9,566
65 years and over	1,555,418	89,152	5.7	1,044,631	67.1	410,565	26.4	7,355	1,525,080	90,838	6.0	521,229	34.2	905,130	59.3	4,121
Age unknown	127,423	36,394	28.6	36,260	28.5	4,500	3.5	409	73,161	17,987	24.6	29,302	40.1	11,509	15.7	501
WHITE.																
All ages, 1910	42,178,245	24,379,558	57.8	16,254,696	38.5	1,274,464	3.0	135,215	39,553,712	20,784,712	62.5	15,854,757	40.1	2,706,127	6.8	160,830
15 years and over, 1910	28,158,123	11,360,282	39.1	16,255,940	55.7	1,274,398	4.4	135,203	26,857,337	8,901,249	33.1	10,852,011	58.0	2,705,990	10.1	160,801
1910	22,808,628	9,173,430	40.2	12,455,858	54.6	1,020,387	4.5	72,761	21,483,052	6,747,306	31.4	12,139,767	57.3	2,291,872	10.7	91,737
15 to 19 years	3,999,143	3,936,550	98.4	40,304	1.0	680	(?)	230	3,969,248	3,525,988	88.8	416,178	10.5	5,233	0.1	2,380
20 to 24 years	4,070,955	3,122,440	76.7	919,029	22.4	11,506	0.3	4,836	3,915,456	1,969,679	50.3	1,893,144	48.4	29,269	0.7	14,330
25 to 34 years	3,639,383	2,545,440	69.9	4,414,772	62.3	14,322	0.1	27,920	6,435,019	1,389,105	21.7	4,833,792	75.1	150,107	2.3	44,630
35 to 44 years	3,561,221	944,724	26.5	4,077,687	79.3	101,346	2.9	37,007	4,950,895	388,025	7.8	3,906,443	80.7	319,868	6.5	41,029
45 to 64 years	6,518,282	670,480	10.3	5,263,730	80.8	520,931	8.0	52,716	5,731,622	476,679	8.3	4,055,540	70.8	1,152,003	20.1	41,973
65 years and over	1,825,019	115,719	6.3	1,195,982	65.5	495,282	27.1	12,019	1,814,984	118,826	6.5	642,347	35.4	1,043,632	57.5	6,274
Age unknown	94,112	24,323	26.5	18,406	19.6	3,314	3.5	455	40,112	12,047	30.0	14,561	36.3	5,287	13.2	285
NEGRO.																
All ages, 1910	4,885,881	2,909,902	59.6	1,749,359	35.8	189,878	3.8	20,148	4,941,882	2,651,778	53.9	1,775,643	36.0	459,883	9.3	33,290
15 years and over, 1910	3,059,312	1,083,472	35.4	1,749,228	57.2	189,870	6.2	20,146	3,103,344	823,996	26.6	1,775,949	57.2	459,831	14.8	33,288
1910	2,633,008	1,033,283	39.2	1,122,866	54.0	151,233	5.7	11,026	2,690,585	803,689	29.9	1,443,817	53.7	414,107	15.4	22,043
15 to 19 years	507,945	492,153	96.9	11,064	2.2	416	0.1	104	552,471	448,515	81.2	94,087	17.0	4,929	0.9	1,205
20 to 24 years	482,157	287,994	59.7	182,110	37.8	7,160	1.5	1,809	548,638	191,396	34.9	323,773	59.0	25,776	4.7	5,876
25 to 29 years	753,968	189,196	25.1	527,149	69.9	26,261	3.7	6,408	795,348	115,082	14.5	592,547	74.5	73,353	9.2	12,448
30 to 34 years	550,130	67,203	12.2	439,901	80.0	30,144	5.6	4,538	538,732	38,103	7.1	401,069	74.4	90,839	16.9	8,048
35 to 44 years	395,554	36,661	9.3	328,893	83.2	47,712	80.2	5,258	358,548	22,483	4.4	315,823	61.6	168,446	52.6	4,948
45 to 64 years	152,482	6,285	4.1	102,070	67.3	41,891	27.5	999	141,642	5,243	3.7	42,404	29.9	92,856	65.6	565
Age unknown	17,076	3,980	23.3	8,622	50.5	1,289	7.5	114	13,964	2,572	18.4	6,246	44.7	3,632	26.0	190
INDIAN.																
15 years and over, 1910	80,383	27,391	34.1	16,154	57.4	5,319	6.6	879	76,982	16,324	21.2	49,095	63.8	10,071	13.1	959
CHINESE.																
15 years and over, 1910	64,394	34,330	53.3	26,449	41.1	1,139	1.8	45	2,955	680	23.0	2,016	68.2	229	7.7	5
JAPANESE.																
15 years and over, 1910	60,536	42,688	70.5	15,918	26.3	495	0.8	88	6,648	908	13.7	5,581	84.0	96	1.4	17
ALL OTHER RACES.																
15 years and over, 1910	3,055	1,966	64.4	911	29.8	79	2.6	3	59	13	35	35	11	11	.....	.....
NATIVE WHITE—NATIVE PARENTAGE.																
All ages, 1910	25,228,222	15,180,988	60.2	9,144,513	36.2	728,920	2.9	87,463	24,259,357	13,377,257	55.1	9,221,615	38.0	1,523,829	6.3	100,076
15 years and over, 1910	16,233,085	6,165,324	38.1	9,144,099	56.3	728,883	4.6	87,456	15,523,900	4,644,122	29.9	9,221,389	59.4	1,523,560	9.8	100,063
1910	12,088,058	5,195,263	39.7	7,193,922	55.0	587,994	4.5	47,993	12,561,815	3,993,417	31.0	7,281,375	57.7	1,332,504	10.6	62,585
15 to 19 years	2,552,528	2,504,473	98.1	33,818	1.3	528	(?)	178	2,536,527	2,199,856	86.7	318,334	12.5	4,394	0.2	1,951
20 to 24 years	2,332,914	1,091,388	47.2	618,300	26.5	8,870	0.4	3,763	2,350,008	1,094,354	46.6	1,216,811	51.8	21,851	0.9	10,902
25 to 34 years	3,788,166	1,181,751	31.2	2,524,534	66.6	52,784	1.4	19,383	3,662,507	715,194	19.5	2,824,023	77.1	92,017	2.5	29,638
35 to 44 years	3,544,044	415,161	11.7	2,319,589	65.9	92,201	3.2	23,212	2,641,722	284,453	10.8	2,147,079	81.9	160,086	6.3	25,999
45 to 64 years	1,059,447	81,915	40.1	2,900,449	81.8	280,516	2.6	32,332	2,012,072	207,102	10.3	1,595,367	77.7	181,349	11.4	17,678
65 years and over	3,084,349	61,042	5.6	733,041	6.3	282,857	26.0	7,653	1,111,719	82,137	7.4	398,184	35.8	624,532	6.2	4,266
Age unknown	68,769	16,080	23.4	12,038	17.5	2,205	3.2	341	28,740	8,139	28.5	10,213	35.9	3,298	11.5	212
NATIVE WHITE—FOREIGN-BORN PARENTAGE.																
All ages, 1910	9,725,238	6,545,950	67.2	2,677,885	28.4	160,788	1.7	24,893	9,487,518	6,038,152	63.7	3,008,927	31.8	382,342	4.0	30,210
15 years and over, 1910	5,785,137	2,906,042	60.2	2,677,708	46.4	160,779	2.8	24,888	5,872,593	2,453,017	41.7	3,008,623	51.8	382,318	6.6	30,208
1910	4,463,211	2,432,374	54.5	1,906,380	42.7	106,055	2.4	11,422	4,475,907	1,985,289	44.4	2,212,946	49.4	256,953	5.7	16,634
15 to 19 years	1,094,861	1,085,405	99.1	3,635	0.3	92	(?)	34	1,110,714	1,048,291	94.4	55,795	5.0	493	(?)	119
20 to 24 years	914,121	769,574	84.2	138,337	15.2	1,387	0.2	735	958,987	601,967	62.8	347,277	36.2	4,289	0.4	2,588
25 to 34 years	1,421,983	624,710	43.9	774,476	54.5	14,301	1.0	5,590	1,483,343	544,177	36.0	985,083	66.5	31,641	2.1	9,774
35 to 44 years	1,145,651	239,675	22.7	842,217	73.6	32,548	2.8	8,108	1,161,132	207,030	17.8	867,878	74.7	76,001	6.5	9,460
45 to 64 years	607,008	125,684	14.2	379,187	72.5	79,808	7.9									

Among the native whites of native parentage the number of married males in 1910 differed but little from the number of married females, and this was also true of the negroes; but in the case of the native whites of foreign or mixed parentage the married women considerably outnumbered the married men, probably because many women of this class have married foreign-born men, the number of the latter reported as married being much larger than the number of married foreign-born women. The larger number of married men than of married women in the foreign-born class is partly due, however, to the presence of men who have left their wives abroad.

The number of single men materially exceeded the number of single women in each of the four classes shown in the table, the excess being particularly marked among the foreign-born whites, in which group single men outnumbered single women more than two to one. In each class, on the other hand, there were more than twice as many widows as widowers.

Of the total number of native white males of native parentage 15 years of age and over in 1910, 38.1 per cent were single and 61.4 per cent married, widowed, or divorced, the corresponding percentages for females being 29.9 and 69.8.

Among native whites of foreign or mixed parentage the proportion married, widowed, or divorced was much lower for both sexes (49.5 and 58.1 per cent, respectively), than among native whites of native parentage. As shown later, this difference is not due to differences between the two parentage groups with regard to age distribution. Among the foreign-born whites, on the other hand, the proportion married, widowed, or divorced both for males and for females (67.8 and 81.6 per cent, respectively), was much higher than among the native whites of native parentage, but in the case of males this difference, as indicated by Table 24, is wholly due to the fact that the foreign-born whites are much older on the average than the native whites and among females also it is largely due to this cause. The proportions married, widowed, or divorced for negro men and for negro women (64 and 73.1 per cent, respectively), were somewhat higher than for native whites of native parentage.

The difference between the sexes with respect to the proportion married, widowed, or divorced is, as shown by the percentages quoted above, more conspicuous in the case of the foreign-born whites than in the case of any other group. One cause of this marked disparity is the fact that single women are much less apt to leave their native country for a new home than single men. Considering only persons who were in the married state at the time of the census, the negroes are the only group shown in the table in which the proportion married is as high among males as it is among females, the percentages in the case of this race being the same for the two sexes.

The proportion of divorced persons, as shown by Table 22, is slightly higher for females than for males in each of the four classes of population specified. As already stated, all the percentages relating to divorced persons may be assumed to be somewhat too low. The proportion of divorced persons reported is higher among negroes than in any other class, that for negro women, which is the highest of all, being 1.1 per cent.

Table 24, which is also based upon Table 23, shows by percentages for 1910 the marital condition of the principal classes of the population according to age groups. For convenience, the small percentages of divorced persons have been combined with those for the widowed. The diagram on the next page shows graphically the percentage single, married, widowed, or divorced in each class, by broad age groups.

CLASS OF POPULATION AND AGE PERIOD.	PER CENT OF TOTAL IN SPECIFIED AGE GROUP WHO WERE—							
	Single.		Married, widowed, or divorced.		Married.		Widowed or divorced.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
<b>Total population:</b>								
15 years and over <sup>1</sup> .....	38.7	29.7	60.8	70.0	55.8	58.9	5.0	11.2
15 to 19 years.....	98.3	87.9	1.2	11.6	1.1	11.3	(2)	0.3
20 to 24 years.....	74.9	48.3	24.6	51.4	24.0	49.7	0.6	1.7
25 to 34 years.....	35.0	20.9	64.7	79.0	62.8	75.1	1.8	3.9
35 to 44 years.....	16.7	11.4	83.1	88.5	79.2	80.1	3.9	8.4
45 to 64 years.....	10.1	8.0	89.7	91.9	80.6	70.0	9.2	21.9
65 years and over.....	6.2	6.3	93.5	93.4	65.6	35.0	27.8	58.4
<b>Native white—Native par:</b>								
15 years and over <sup>1</sup> .....	38.1	29.9	61.4	63.8	56.3	59.4	5.0	10.5
15 to 19 years.....	98.1	88.7	1.4	12.8	1.3	12.5	(2)	0.3
20 to 24 years.....	72.5	46.6	27.0	53.2	26.5	51.8	0.5	1.4
25 to 34 years.....	31.2	19.5	68.5	80.4	66.6	77.1	1.9	3.3
35 to 44 years.....	14.5	10.8	85.3	89.2	81.3	81.9	4.0	7.3
45 to 64 years.....	8.9	7.2	90.9	92.1	81.8	71.7	9.1	20.0
65 years and over.....	5.6	7.4	94.0	92.4	67.3	35.8	26.7	56.6
<b>Native white—Foreign or mixed parentage:</b>								
15 years and over <sup>1</sup> .....	50.2	41.7	49.5	58.1	46.3	51.1	3.2	7.0
15 to 19 years.....	99.1	94.4	0.3	5.1	0.3	5.0	(2)	0.1
20 to 24 years.....	84.2	62.8	15.4	36.9	15.2	36.2	0.2	0.7
25 to 34 years.....	43.5	30.6	55.9	69.2	54.5	66.5	1.4	2.3
35 to 44 years.....	22.7	17.8	77.2	82.1	73.4	74.7	3.5	7.4
45 to 64 years.....	14.2	12.3	85.7	87.6	77.5	67.8	8.3	19.8
65 years and over.....	8.9	8.6	90.9	91.3	64.8	35.0	26.1	56.3
<b>Foreign-born white:</b>								
15 years and over <sup>1</sup> .....	31.8	18.3	67.8	81.6	62.1	66.5	5.7	15.1
15 to 19 years.....	98.6	86.3	0.8	13.2	0.8	13.1	(2)	0.1
20 to 24 years.....	80.3	44.9	19.2	54.9	19.0	54.3	0.2	0.7
25 to 34 years.....	39.3	18.6	60.3	81.9	59.4	79.5	0.9	2.4
35 to 44 years.....	17.3	8.6	82.5	91.4	79.7	84.1	2.8	7.3
45 to 64 years.....	10.7	5.8	89.1	94.2	80.6	70.8	8.5	23.4
65 years and over.....	7.1	4.5	92.6	95.3	62.5	34.7	30.2	60.7
<b>Negro:</b>								
15 years and over <sup>1</sup> .....	35.4	26.6	64.0	73.1	62.2	57.2	6.9	15.9
15 to 19 years.....	96.9	81.2	2.3	18.1	2.2	17.6	0.1	1.1
20 to 24 years.....	59.7	34.9	39.6	64.8	37.8	59.0	1.9	5.8
25 to 34 years.....	25.1	14.5	74.5	85.3	69.9	74.5	4.6	10.8
35 to 44 years.....	12.9	7.1	87.5	92.8	80.0	74.4	7.6	18.4
45 to 64 years.....	6.2	4.4	93.7	95.4	80.2	61.6	13.4	33.8
65 years and over.....	4.1	3.7	95.5	95.9	67.3	29.9	28.1	66.0

<sup>1</sup> Percentages based on total population, which includes a small number of persons of unknown age.

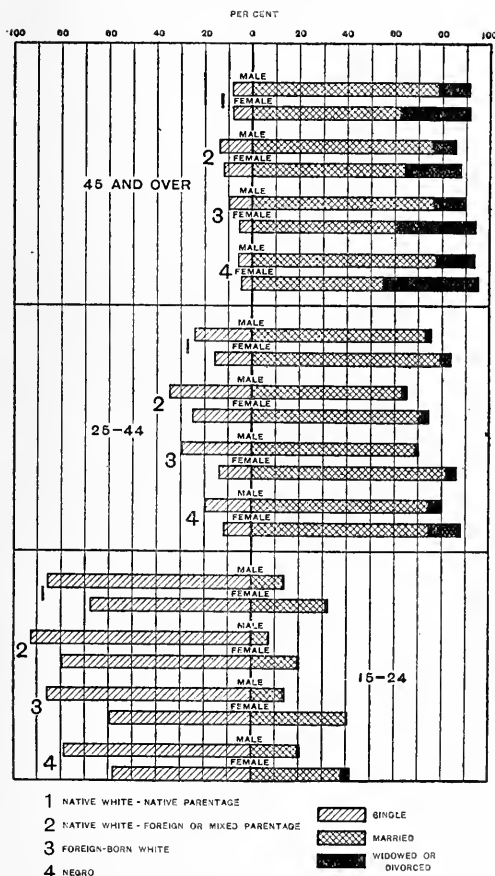
<sup>2</sup> Less than one-tenth of 1 per cent.

In every age group and for both sexes the proportion married, widowed, or divorced was materially higher in the case of the native whites of native parentage than in the case of the native whites of foreign or mixed parentage. This is partly due to the difference in the geographic distribution of the two classes. A much larger proportion of the native whites of foreign or mixed parentage than of the native whites of native parentage are in urban communities, and much larger proportions of the former class than of the latter are in the North and the West. People living in urban communities are less apt to marry, or tend to marry

later, than those living in rural districts; and persons living in the North and the West are less apt to marry, or tend to marry later, than persons living in the South.

Table 24 shows, also, that in each of the individual age groups the percentage married, widowed, or divorced was higher for native white males of native parentage than for foreign-born white males. On the other hand, among females the percentages were somewhat lower for the native whites of native parentage than for the foreign-born whites. The negroes of both sexes marry at a somewhat earlier age than the native whites of native parentage, but in the older age groups the percentage married among negroes was lower and the percentage widowed or divorced higher than among native whites of native parentage, except that in the case of males 65 years and over the percentage married was the same in the two population classes.

MARITAL CONDITION OF PRINCIPAL CLASSES OF THE POPULATION, BY AGE PERIODS: 1910.



**Comparisons with previous censuses.**—Table 25 shows, by sex, the percentages single, married, widowed, or divorced in the total population 15 years of age and over for the last three censuses.

MARITAL CONDITION.	PER CENT DISTRIBUTION OF—					
	Males 15 years of age and over.			Females 15 years of age and over.		
	1910	1900	1890	1910	1900	1890
Total.....	100.0	100.0	100.0	100.0	100.0	100.0
Single.....	38.7	40.2	41.7	29.7	31.2	31.8
Married, widowed, or divorced.....	60.8	59.4	58.1	70.0	68.6	68.1
Married.....	55.8	54.5	53.9	58.9	57.0	56.8
Widowed.....	4.5	4.6	3.9	10.6	11.2	11.9
Divorced.....	0.5	0.3	0.2	0.8	0.5	0.4
Marital condition not reported.....	0.5	0.4	0.3	0.2	0.2	0.1

There has been for both sexes a gradual advance since 1890 in the percentage of married persons and in the percentage of married, widowed, or divorced persons combined. The latter percentage rose, in the case of males, from 58.1 in 1890 to 59.4 in 1900 and 60.8 in 1910, while the corresponding percentages for females were 68.1, 68.6, and 70, respectively. These increasing percentages are only in part, if at all, attributable to changes in the race, nativity, and parentage composition of the population, or to changes in age distribution.

Table 26 shows for the males and females in each of the principal race, nativity, and parentage groups the percentage reported as single, as married, widowed, or divorced, and as married, respectively.

CLASS OF POPULATION AND SEX.	PER CENT OF PERSONS 15 YEARS OF AGE OR OVER WHO WERE—								
	Single.			Married, widowed, or divorced.			Married.		
	1910	1900	1890	1910	1900	1890	1910	1900	1890
Total:									
Male.....	38.7	40.2	41.7	60.8	59.4	58.1	55.8	54.5	53.9
Female.....	29.7	31.2	31.8	70.0	68.6	68.1	58.9	57.0	56.8
Native white—Native parentage:									
Male.....	38.1	39.7	40.1	61.4	59.8	59.7	56.3	55.0	55.4
Female.....	29.9	31.0	30.6	69.8	68.8	69.3	59.4	57.7	58.2
Native white—Foreign or mixed parentage:									
Male.....	50.2	54.5	61.9	49.5	45.3	38.0	46.3	42.7	36.2
Female.....	41.7	44.4	51.0	58.1	55.6	49.0	51.1	49.4	44.3
Foreign-born white:									
Male.....	31.8	29.4	32.1	67.8	70.3	67.6	62.1	63.8	62.2
Female.....	18.3	19.5	20.7	81.6	80.3	79.2	66.5	64.2	63.9
Negro:									
Male.....	35.4	39.2	39.8	64.0	60.2	60.0	57.2	54.0	55.5
Female.....	26.6	29.9	30.0	73.1	69.5	69.5	57.2	53.7	54.6

The combined percentage of married, widowed, or divorced persons was higher in 1910 than in 1900 or in 1890 for each sex in each of the four principal race, nativity, and parentage groups, except that in the case of the foreign-born white males the percentage was lower in 1910 than in 1900. In the case of native white females of native parentage, however, the percentage married, widowed, or divorced was slightly lower in 1900 than in 1890. These higher percentages of married, widowed, or divorced persons combined were chiefly due to a higher proportion of married persons, although the proportion of widowed or divorced persons has also generally increased.

Table 27 shows the percentage of males and females of specified ages reported as single, as married, and as married, widowed, or divorced at the censuses of 1910, 1900, and 1890.

AGE PERIOD AND SEX.	PER CENT OF PERSONS IN SPECIFIED AGE GROUP WHO WERE—								
	Single.			Married, widowed, or divorced.			Married.		
	1910	1900	1890	1910	1900	1890	1910	1900	1890
<b>15 years and over:<sup>1</sup></b>									
Male.....	38.7	40.2	41.7	60.8	59.4	58.1	55.8	54.5	53.9
Female.....	29.7	31.2	31.8	70.0	68.6	68.1	58.9	57.0	54.8
<b>15 to 19 years:</b>									
Male.....	98.3	98.8	99.4	1.2	1.0	0.5	1.1	1.0	0.5
Female.....	87.9	88.7	90.5	11.6	11.2	9.7	11.3	10.9	9.5
<b>20 to 24 years:</b>									
Male.....	74.9	77.6	80.7	24.6	22.1	19.2	24.0	21.6	18.9
Female.....	48.3	51.6	51.8	51.4	48.3	48.1	49.7	46.5	46.7
<b>25 to 34 years:</b>									
Male.....	35.0	37.3	36.8	64.7	62.5	63.1	62.8	60.6	61.5
Female.....	20.9	22.6	20.7	79.0	77.3	79.2	75.1	73.0	75.2
<b>35 to 44 years:</b>									
Male.....	16.7	17.0	15.3	83.1	82.9	84.5	79.2	78.8	80.9
Female.....	11.4	11.1	9.9	88.5	88.8	90.1	80.1	79.5	80.6
<b>45 to 64 years:</b>									
Male.....	10.1	9.3	8.2	89.7	90.6	91.6	80.6	81.3	83.5
Female.....	8.0	7.4	6.6	91.9	92.5	93.3	70.0	68.6	68.8
<b>65 years and over:</b>									
Male.....	6.2	5.7	5.6	93.5	94.0	94.2	65.6	67.1	70.5
Female.....	6.3	6.0	5.6	93.4	93.8	94.2	35.0	34.2	35.4

<sup>1</sup> Includes persons of unknown age.

In the age groups 15 to 19 years, 20 to 24 years, and 25 to 34 years, the percentage married, widowed, or divorced was greater in 1910 than in 1900, and in the case of the first two groups it was also greater in 1900 than in 1890. In the age group 25 to 34 years the percentage for males was greater in 1910 than at either of the two preceding censuses, but was less in 1900 than in 1890, while for females the percentage was greater in 1910 than in 1900, although in both years it was lower than in 1890. In each of the three age groups comprising persons 35 years of age or over, a decrease occurred during both of the decades covered by the table in the percentage married, widowed, or divorced both for males and for females, with the single exception that the percentage for males from 35 to 44 years of age increased slightly between 1900 and 1910.

Table 28 shows, for 1910, 1900, and 1890, the percentage of married, widowed, or divorced persons among males and females, respectively, for the principal color or race, nativity, and parentage groups, classified by age.

For each class shown in the table the percentage of married, widowed, or divorced persons in the age groups 15 to 19 years and 20 to 24 years was higher, both for males and for females, in 1910 than in 1900 or 1890, except that the percentage for native white males of foreign or mixed parentage 15 to 19 years of age was the same in 1910 as in 1900. This would in-

dicate that in all classes of the population a larger proportion are marrying in the earlier ages than was the case 10 or 20 years ago. The falling off in the natural rate of increase of population in this country would therefore seem not in any way due to the postponement of marriage. In the age group 25 to 34 years the proportion married, widowed, or divorced in 1910 was greater than in 1900 for both males and females in all classes of the population, with the single exception of the foreign-born white males. For the two groups comprising persons 45 years of age and over, the proportion of persons in the three classes of the white population who were or had been married has shown a decrease at each census since 1890, with the single exception of the native white females of native parentage from 45 to 64 years of age, for whom the percentage was the same in 1910 as in 1900. For the white population it thus appears that although the proportion marrying at early ages shows an increase, the proportion married, widowed, or divorced in the higher age groups was not so great in 1910 as in 1900 or 1890. Among the negroes the proportion married, widowed, or divorced in each age group was higher in 1910 than in 1900.

Table 28

CLASS OF POPULATION AND AGE PERIOD.	PER CENT MARRIED, WIDOWED, OR DIVORCED.					
	Male.			Female.		
	1910	1900	1890	1910	1900	1890
<b>Total:</b>						
15 years and over <sup>1</sup> .....	60.8	59.4	58.1	70.0	68.6	68.1
15 to 19 years.....	1.2	1.0	0.5	11.6	11.2	9.7
20 to 24 years.....	24.6	22.1	19.2	51.4	48.3	48.1
25 to 34 years.....	64.7	62.5	63.1	79.0	77.3	79.2
35 to 44 years.....	83.1	82.9	84.5	88.5	88.8	90.1
45 to 64 years.....	89.7	90.6	91.6	91.9	92.5	93.3
65 years and over.....	93.5	94.0	94.2	93.4	93.8	94.2
<b>Native white—Native parentage:</b>						
15 years and over <sup>1</sup> .....	61.4	59.8	59.7	69.8	68.8	69.3
15 to 19 years.....	1.4	1.2	0.6	12.8	12.5	11.6
20 to 24 years.....	27.0	23.8	20.5	53.2	51.2	51.5
25 to 34 years.....	65.5	65.7	66.6	80.4	79.0	80.8
35 to 44 years.....	83.3	83.1	86.5	89.2	89.0	89.5
45 to 64 years.....	90.9	91.7	92.6	91.7	91.7	92.3
65 years and over.....	94.0	94.6	94.8	92.4	92.8	93.3
<b>Native white—Foreign or mixed parentage:</b>						
15 years and over <sup>1</sup> .....	49.5	45.3	38.0	58.1	55.6	49.0
15 to 19 years.....	0.3	0.3	0.1	5.1	5.0	4.2
20 to 24 years.....	15.4	13.1	11.0	36.9	35.0	34.6
25 to 34 years.....	55.9	52.5	55.3	69.2	68.5	71.4
35 to 44 years.....	77.2	78.1	80.6	81.1	83.9	91.7
45 to 64 years.....	85.7	86.9	88.9	87.6	89.5	91.5
65 years and over.....	90.9	92.2	93.6	91.3	91.9	92.3
<b>Foreign-born white:</b>						
15 years and over <sup>1</sup> .....	67.8	70.3	67.6	81.6	80.3	79.2
15 to 19 years.....	0.8	0.7	0.3	13.2	11.0	8.4
20 to 24 years.....	19.2	17.3	15.1	54.9	46.5	45.2
25 to 34 years.....	60.3	60.9	58.1	81.9	80.7	80.1
35 to 44 years.....	82.5	82.0	82.2	92.8	91.9	92.4
45 to 64 years.....	89.1	89.5	90.3	94.2	94.4	95.1
65 years and over.....	92.6	93.0	93.2	95.3	95.6	96.0
<b>Negro:</b>						
15 years and over <sup>1</sup> .....	64.0	60.2	60.0	73.1	69.9	69.8
15 to 19 years.....	2.3	1.8	0.9	18.1	16.6	15.0
20 to 24 years.....	39.6	35.1	34.2	64.8	60.0	61.7
25 to 34 years.....	74.5	71.6	74.7	85.3	82.4	84.8
35 to 44 years.....	87.5	82.0	82.2	92.8	91.9	92.4
45 to 64 years.....	93.7	93.3	93.9	95.4	95.1	95.2
65 years and over.....	95.5	95.0	94.3	95.9	95.2	95.3

<sup>1</sup> Percentages based on total population, which includes a small number of persons of unknown age.

## DIVISIONS AND STATES.

Total population, by divisions.—Table 29 shows for the different geographic divisions of the country the proportions single, married, widowed, or divorced among persons 15 years of age and over, classified by sex. The percentages are summarized graphically in the accompanying diagram.

Table 29

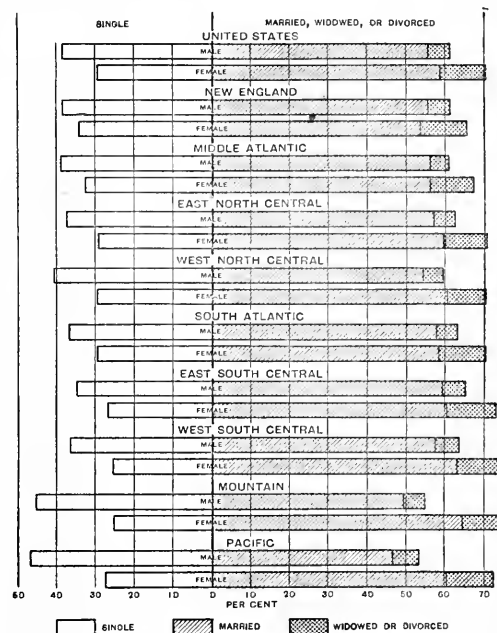
DIVISION AND SEX.	PER CENT OF TOTAL POPULATION 15 YEARS OF AGE AND OVER.				
	Single.	Married, widowed, or divorced.			
		Total.	Married.	Widowed.	Divorced.
<b>United States:</b>					
Male.....	38.7	60.8	55.8	4.5	0.5
Female.....	29.7	70.0	58.9	10.6	0.6
<b>NEW ENGLAND:</b>					
Male.....	38.6	61.2	55.5	5.1	0.5
Female.....	34.2	65.7	53.6	11.5	0.6
<b>MIDDLE ATLANTIC:</b>					
Male.....	39.0	60.7	56.1	4.3	0.2
Female.....	32.6	67.3	56.1	10.8	0.3
<b>EAST NORTH CENTRAL:</b>					
Male.....	37.5	62.1	57.0	4.5	0.6
Female.....	29.1	70.7	59.8	10.1	0.7
<b>WEST NORTH CENTRAL:</b>					
Male.....	40.5	58.9	54.1	4.3	0.5
Female.....	29.7	70.0	60.4	9.0	0.7
<b>SOUTH ATLANTIC:</b>					
Male.....	36.9	62.7	57.9	4.6	0.3
Female.....	29.6	70.1	58.4	11.3	0.4
<b>EAST SOUTH CENTRAL:</b>					
Male.....	34.9	64.8	59.2	5.1	0.5
Female.....	26.8	72.9	60.3	11.8	0.8
<b>WEST SOUTH CENTRAL:</b>					
Male.....	36.5	62.9	57.5	4.9	0.5
Female.....	25.3	74.4	63.1	10.6	0.7
<b>MOUNTAIN:</b>					
Male.....	45.1	54.1	49.5	3.8	0.8
Female.....	25.2	74.4	64.5	9.0	1.0
<b>PACIFIC:</b>					
Male.....	46.9	51.9	46.7	4.2	1.0
Female.....	27.4	72.4	60.5	10.6	1.3

The percentage of females who were or had been married was lower in New England than in other geographic divisions, while the proportion of males who were or had been married was lower in the Pacific and Mountain divisions than in the other divisions. It should be borne in mind in this connection that the number of males to 100 females is much higher in the Pacific and Mountain divisions than in any other, whereas New England is the only division in which the females outnumber the males. The factors of race and age doubtless exercise an appreciable influence upon the marital condition of the total population, but, independently of racial or age composition, it is almost inevitable that the proportion married, widowed, or divorced among males should be smallest in those geographic divisions in which the excess of males over females is greatest. Conversely it is natural that the proportion married among women should be relatively low in that section of the country where the females outnumber the males.

The proportion widowed is highest for both sexes in the East South Central and New England divisions and lowest for males in the Mountain and Pacific divisions and for females in the West North Central and Mountain divisions.

The proportion divorced is highest for both sexes in the Mountain and Pacific divisions and lowest for both sexes in the Middle Atlantic and South Atlantic divisions.

## MARITAL CONDITION OF THE TOTAL POPULATION 15 YEARS OF AGE AND OVER, BY DIVISIONS: 1910.



Color or race, nativity, and parentage classes, by divisions.—Table 30 shows for 1910, by geographic divisions, the percentage of the male and female population 15 years of age and over in the color or race, nativity, and parentage classes who were married, widowed, or divorced, and also the percentage who were married.

For each class of the population except the native whites of native parentage the percentage married, widowed, or divorced among the males was higher in the East South Central division than in any other. For the native whites of native parentage the New England division ranked first in this respect, with the East South Central second. For each class of population except the native whites of foreign or mixed parentage the percentage was lowest in the Pacific division. For the native whites of foreign or mixed parentage the lowest percentage was found in New England, with the Pacific division ranking next.

Among females the percentage married, widowed, or divorced was highest in the divisions west of the Mississippi River, for the native whites of native parentage, in the West South Central division; for the native whites of foreign or mixed parentage, in the Mountain division; for the foreign-born whites, in the West North Central division; and for the negroes, in the Mountain division. On the other hand, the proportion of females married, widowed, or divorced was lowest in New England for every class except the native whites of native parentage, for whom the proportion was lowest in the Middle Atlantic division, New England ranking next in this respect.

Table 30

Table 30	DIVISION AND SEX.	PER CENT OF PERSONS 15 YEARS OF AGE AND OVER.									
		All classes.		Native white.				Foreign-born white.		Negro.	
				Native parentage.		Foreign or mixed parentage.					
		Married, widowed, or divorced.	Married.	Married, widowed, or divorced.	Married.	Married, widowed, or divorced.	Married.	Married, widowed, or divorced.	Married.	Married, widowed, or divorced.	Married.
United States:											
Male.....	60.8	55.3	61.4	56.3	49.5	46.3	67.8	62.1	64.0	57.2	
Female.....	70.0	58.9	69.8	59.4	58.1	51.1	61.6	66.5	73.1	57.2	
NEW ENGLAND:											
Male.....	61.2	55.5	65.0	57.7	42.9	39.8	68.2	62.7	58.2	51.7	
Female.....	65.7	53.6	68.2	53.1	48.0	42.0	74.9	62.1	67.7	50.0	
MIDDLE ATLANTIC:											
Male.....	60.7	56.1	60.9	55.8	48.7	45.4	67.8	63.2	60.4	54.5	
Female.....	67.3	56.1	66.1	55.2	55.5	47.6	78.3	64.7	69.0	53.3	
EAST NORTH CENTRAL:											
Male.....	62.1	57.0	61.9	56.6	52.5	49.4	72.2	65.7	60.5	51.7	
Female.....	70.7	59.8	69.8	59.4	60.5	53.8	86.3	69.3	75.3	56.8	
WEST NORTH CENTRAL:											
Male.....	58.9	54.1	59.6	54.8	47.8	45.2	70.1	63.1	60.3	51.4	
Female.....	70.0	60.4	69.9	60.7	58.6	53.4	87.9	71.2	75.0	56.2	
SOUTH ATLANTIC:											
Male.....	62.7	57.9	62.3	58.1	56.0	51.7	66.4	60.4	63.8	57.9	
Female.....	70.1	58.4	69.3	59.4	61.9	51.4	82.9	65.3	71.5	56.9	
EAST SOUTH CENTRAL:											
Male.....	64.8	59.2	64.2	59.6	59.5	55.0	74.9	65.5	65.9	58.5	
Female.....	72.9	60.3	72.2	62.0	64.3	52.6	86.7	59.7	74.7	57.8	
WEST SOUTH CENTRAL:											
Male.....	62.9	57.5	62.2	57.6	55.7	51.7	70.5	62.9	64.9	57.4	
Female.....	74.4	63.1	74.2	65.0	66.4	57.4	85.6	67.5	74.9	58.8	
MOUNTAIN:											
Male.....	54.1	49.5	55.1	50.3	49.0	45.6	55.7	50.9	55.3	47.6	
Female.....	74.4	64.5	73.0	63.9	66.5	60.0	87.3	71.9	77.1	56.6	
PACIFIC:											
Male.....	51.9	46.7	54.9	49.2	45.6	41.6	54.4	48.6	52.6	45.9	
Female.....	72.4	60.5	72.1	60.4	62.2	54.2	84.2	67.8	76.0	56.6	

Comparing the different color or race, nativity, and parentage groups within the same division, it appears that for males the percentage married, widowed, or divorced was highest among the foreign-born whites in every division excepting the Pacific, where the highest proportion was among the native whites of native parentage. For females the highest percentage married, widowed, or divorced was, in all geographic divisions, among the foreign-born whites. This uniformity results from the fact that the proportion of the foreign-born whites in the early age groups is comparatively low. The percentage of persons married, widowed, or divorced was lowest in every division and for both sexes among the native whites of foreign or mixed parentage, a fact in part attributable to the relatively large number of young persons in this class of population.

In all divisions, and for each color or race, nativity, and parentage group, the proportion of persons married, widowed, or divorced was higher for females than for males. In a majority of cases the proportion of married persons alone was also higher among females than among males.

Generally speaking, the differences between the geographic divisions as respects marital condition are largely explained by differences in the composition of the population in regard to sex, age, race, nativity, and parentage. The foregoing table shows, however, for each race, nativity, and parentage class appreciable differences among the divisions. These in turn

are largely explained either by variations in the age and sex distribution of the population or by varying habits with respect to the age of marriage. These factors are in part exhibited in Table 31, page 156, which shows for each division the percentage of married, widowed, or divorced persons combined in the principal classes of the population, by sex and age groups.

The absolute numbers on which the percentages in Table 31 are based appear in Table 32, which also gives further details.

The degree of prevalence of early marriages in the case of males is fairly well indicated by the percentage married, widowed, or divorced in the age group 20 to 24 years. For native white males of native parentage the percentage in 1910 was conspicuously high in the three southern divisions, and lowest in the Pacific, New England, and Mountain divisions, in the order named. In the South the percentage of negro males in the same age group who were married, widowed, or divorced was much higher than the percentage of native whites of native parentage. In other sections of the country, where the negroes are less numerous, there was no such marked difference. The proportions for the native whites of foreign or mixed parentage and for foreign-born whites were fairly uniform throughout the country, except that in the West South Central division, where much of the foreign stock is of Mexican rather than European origin, they were considerably higher than elsewhere.

For females the proportion married, widowed, or divorced in the age group 15 to 19 is more significant as to prevalence of early marriage. Among the native whites of native parentage this proportion was greater in the three southern divisions than elsewhere. In two of these divisions, the East South Central and the West South Central, the proportion was also higher in the age group 20 to 24 years, but the proportion for this group in the South Atlantic division was exceeded by that in the Mountain division. Among the negro women early marriages are more frequent in the South than in the remainder of the country. For the native whites of foreign or mixed parentage there were high percentages of married persons among females from 15 to 24 years of age in the West South Central, Mountain, and Pacific divisions. Among the foreign-born whites the percentages were high in the South, where, however, this class forms an inconsiderable element in the aggregate population.

Table 32, pages 156 to 159, presents detailed statistics of marital condition by geographic divisions.

**States.**—Table 33, pages 160 to 162, shows the distribution, according to marital condition, of the males and females 15 years of age and over in each of the principal classes of population, by states.

#### URBAN AND RURAL COMMUNITIES.

Table 34, page 163, shows the marital condition of males and females by age groups for the principal race, nativity, and parentage classes, distinguishing between urban and rural communities.

For the population 15 years of age and over, both for males and females, the proportion of single persons is greater, and, conversely, the proportion of those who are or have been married is less, in the urban than in the rural population. For both males and females, a smaller percentage of persons married, widowed, or divorced, is found in urban communities in each of the

age periods specified in the table, the difference being particularly great in the younger age periods.

The native classes of the population, the whites both of native and of foreign or mixed parentage and the negroes, show, like the population at large, a smaller percentage of persons married, widowed, or divorced in urban than in rural communities, not only for the entire population 15 years of age and over, but also for each of the age groups given in the table.

For the foreign-born white females also, the proportion married, widowed, or divorced is smaller in towns and cities than in the rural districts. The foreign-born white males 15 years and over form an exception to all other classes in having among those who live in cities a smaller percentage of single persons, and, conversely, a larger percentage of married, widowed, or divorced, than among those living in rural districts. With the exception of the age group 15 to 19 years, which, of course, comprises comparatively few married persons, the percentage of foreign-born males married, widowed, or divorced was larger in each age group of the urban population than in the corresponding group of the rural population.

These differences with reference to the urban and the rural population constitute one of the important factors in determining the differences already noted with respect to marital condition among the different geographic divisions and states.

#### PRINCIPAL CITIES.

The concluding tables on marital condition relate to the cities of the United States. In Table 35, page 164, information is given concerning the marital condition of both males and females, classified by color or race, nativity, and parentage, in cities having 250,000 inhabitants or more. Table 36, pages 165 to 167, gives similar information, without distinction of color or race, nativity, and parentage, for cities having from 25,000 to 250,000 inhabitants.

## PER CENT MARRIED, WIDOWED, OR DIVORCED IN THE POPULATION, BY GEOGRAPHIC DIVISIONS: 1910.

Table 31

PER CENT MARRIED, WIDOWED, OR DIVORCED.

DIVISION AND CLASS OF POPULATION.	Males 15 years of age and over.					Female 15 years of age and over.				
	15 to 19 years.	20 to 24 years.	25 to 34 years.	35 to 44 years.	45 years and over.	15 to 19 years.	20 to 24 years.	25 to 34 years.	35 to 44 years.	45 years and over.
<b>United States:</b>										
Native white—Native parentage.....	1.4	27.0	68.5	85.3	91.7	12.8	53.2	80.4	89.2	91.9
Native white—Foreign or mixed parentage.....	0.3	15.4	77.2	86.3	90.3	5.1	36.6	69.2	82.1	88.0
Foreign-born white.....	0.8	19.2	80.3	82.5	90.0	13.2	81.4	81.4	91.4	94.5
Negro.....	2.3	2.6	74.5	87.5	94.0	18.1	34.8	85.3	92.8	95.5
<b>NEW ENGLAND:</b>										
Native white—Native parentage.....	0.8	20.9	63.1	82.4	89.9	6.6	38.4	69.8	81.9	86.8
Native white—Foreign or mixed parentage.....	0.4	14.5	49.8	72.3	83.2	3.6	28.0	57.2	72.5	81.0
Foreign-born white.....	1.0	21.9	64.1	85.3	92.2	9.9	46.6	75.0	87.5	91.4
Negro.....	1.3	21.7	55.1	75.9	86.6	8.9	42.9	72.1	83.3	88.7
<b>MIDDLE ATLANTIC:</b>										
Native white—Native parentage.....	0.9	23.8	66.1	83.6	90.6	6.9	42.8	74.1	84.8	89.0
Native white—Foreign or mixed parentage.....	0.3	15.0	54.5	76.0	83.8	4.5	33.0	64.4	78.7	85.4
Foreign-born white.....	0.7	21.4	65.4	86.1	91.8	12.1	54.1	82.0	91.1	93.3
Negro.....	1.0	27.0	62.0	78.0	86.4	10.2	45.9	74.5	86.6	90.8
<b>EAST NORTH CENTRAL:</b>										
Native white—Native parentage.....	0.9	26.1	69.6	85.9	92.1	10.0	50.7	80.3	89.5	93.2
Native white—Foreign or mixed parentage.....	0.3	16.3	59.4	80.2	88.5	4.8	38.1	71.8	84.0	89.6
Foreign-born white.....	0.7	18.8	62.8	84.8	92.0	15.1	49.7	85.1	93.2	96.0
Negro.....	1.4	25.9	59.9	77.0	87.2	14.7	57.2	81.9	91.7	95.5
<b>WEST NORTH CENTRAL:</b>										
Native white—Native parentage.....	0.9	24.4	66.9	85.0	92.4	11.6	52.6	82.0	91.6	95.5
Native white—Foreign or mixed parentage.....	0.2	13.9	56.4	78.8	88.1	5.0	36.6	73.3	86.9	92.2
Foreign-born white.....	0.7	14.1	53.0	73.8	90.2	13.3	56.5	84.0	93.4	96.5
Negro.....	1.3	26.7	60.3	78.5	89.8	15.5	57.9	82.8	92.3	96.0
<b>SOUTH ATLANTIC:</b>										
Native white—Native parentage.....	1.8	30.0	71.7	88.0	93.1	15.3	55.7	80.7	88.7	89.8
Native white—Foreign or mixed parentage.....	0.5	16.1	56.0	76.6	86.6	5.9	37.4	66.0	78.9	84.8
Foreign-born white.....	1.1	19.4	60.2	83.0	89.3	18.4	62.1	85.1	90.8	92.4
Negro.....	2.4	40.2	76.5	89.2	94.7	17.0	63.6	84.8	92.3	95.0
<b>EAST SOUTH CENTRAL:</b>										
Native white—Native parentage.....	2.7	35.4	75.8	89.8	94.1	19.4	61.5	84.2	91.2	92.8
Native white—Foreign or mixed parentage.....	0.7	16.2	56.9	77.2	87.4	6.1	34.9	66.3	78.9	86.1
Foreign-born white.....	0.9	18.7	59.9	83.0	89.9	21.3	63.3	83.4	89.4	93.5
Negro.....	2.5	43.6	78.6	90.5	95.6	20.0	68.4	87.5	93.9	96.5
<b>WEST SOUTH CENTRAL:</b>										
Native white—Native parentage.....	1.9	32.6	74.3	89.3	94.0	20.1	66.3	88.7	95.0	96.4
Native white—Foreign or mixed parentage.....	0.7	19.0	64.0	82.1	88.2	11.3	52.0	79.5	88.6	91.7
Foreign-born white.....	1.8	25.0	62.1	81.9	88.9	25.3	68.6	87.3	93.7	95.0
Negro.....	2.1	41.3	77.4	89.8	95.3	20.3	69.0	88.7	95.2	97.1
<b>MOUNTAIN:</b>										
Native white—Native parentage.....	0.8	21.3	58.6	77.7	85.8	14.0	60.8	85.7	93.6	96.3
Native white—Foreign or mixed parentage.....	0.5	17.3	55.6	75.0	80.1	9.3	51.2	82.1	91.9	94.9
Foreign-born white.....	1.2	13.1	45.0	70.4	80.0	21.7	65.8	87.3	94.1	96.5
Negro.....	1.7	21.7	50.9	70.0	78.3	20.1	62.6	80.8	91.8	94.0
<b>PACIFIC:</b>										
Native white—Native parentage.....	0.5	15.9	53.9	74.3	85.0	10.6	52.6	80.4	90.5	94.9
Native white—Foreign or mixed parentage.....	0.3	13.5	48.7	69.5	78.6	7.0	42.7	73.7	86.0	92.0
Foreign-born white.....	1.0	11.2	39.2	65.7	77.7	17.6	57.1	80.6	90.8	94.7
Negro.....	1.1	19.1	47.0	67.7	78.3	13.0	57.1	82.0	91.1	94.5

## MARITAL CONDITION OF THE POPULATION 15 YEARS OF AGE AND OVER FOR THE UNITED STATES AND DIVISIONS: 1910.

Table 32

DIVISION, CLASS OF POPULATION, AND AGE PERIOD.	MALES 15 YEARS OF AGE AND OVER.						FEMALES 15 YEARS OF AGE AND OVER.									
	Single.		Married.		Widowed.		Di- vored.	Single.		Married.		Widowed.		Di- vored.		
	Total. <sup>1</sup>	Number.	Per cent.	Number.	Per cent.	Number.		Per cent.	Number.	Per cent.	Number.	Per cent.				
UNITED STATES																
All classes:																
15 years of age and over: <sup>2</sup>	32,425,805	12,550,129	38.7	18,092,600	55.8	1,471,390	4.5	156,162	30,047,325	8,933,170	29.7	17,684,687	58.9	3,176,228	10.8	185,068
1910.....	25,620,399	10,297,940	40.2	13,955,650	54.5	1,177,976	4.6	84,230	24,249,191	7,566,530	31.2	13,810,057	57.0	2,717,715	11.2	114,647
1910																
15 to 19 years.....	4,527,282	4,448,667	98.3	51,877	1.1	1,110	(3)	0.4	4,536,321	3,985,764	87.9	513,329	11.3	10,261	0.2	3,650
20 to 24 years.....	4,580,290	2,767,161	74.9	1,100,093	24.0	18,815	0.4	6,732	4,476,094	2,163,683	48.3	2,232,362	49.7	55,354	1.2	20,370
25 to 34 years.....	7,901,116	2,767,957	35.0	4,964,769	62.8	110,431	1.4	34,571	7,251,072	1,516,726	20.9	5,443,894	75.1	224,327	3.1	57,262
35 to 44 years.....	6,153,365	1,026,502	16.7	4,873,133	79.2	198,701	3.2	42,688	5,504,321	628,516	11.4	4,410,310	80.1	411,896	7.5	49,269
45 years and over.....	9,149,308	846,023	9.2	7,075,398	77.3	1,137,700	12.4	71,252	8,224,305	623,787	7.6	5,079,832	61.7	2,465,398	30.0	54,037
Native white—Native parentage:																
15 years and over: <sup>2</sup>	16,233,095	6,185,324	38.1	9,144,099	56.3	728,883	4.5	87,456	15,523,900	4,644,122	29.9	9,719,385	59.4	1,523,560	9.8	100,033
15 to 24 years.....	4,885,442	4,195,858	86.9	682,118	13.3	9,398	0.2	3,941	4,886,535	3,994,390	81.4	1,535,185	31.4	26,245	0.5	12,833
25 to 34 years.....	6,642,210	1,596,943	24.0	4,843,893	72.9	143,907	2.2	42,695	6,304,231	997,649	15.8	4,986,102	79.1	228,103	4.1	55,935
35 to 44 years.....	4,636,674	376,443	8.1	3,636,056	78.4	573,373	12.4	40,479	4,304,394	343,944	8.0	2,687,885	62.4	1,235,914	28.7	31,063
Native white—For. or mixed par.:																
15 years and over: <sup>2</sup>	5,785,137	2,009,042	50.2	2,677,706	46.3	160,779	2.8	24,888	5,887,131	2,453,017	41.7	3,008,623	51.1	382,318	6.5	30,306
15 to 24 years.....	2,608,982	1,854,979	92.3	142,172	7.1	1,479	0.1	769	2,609,701	1,650,258	79.0	403,072	15.5	4,772	0.2	2,907
25 to 44 years.....	2,565,634	884,388	34.5	1,616,693	63.0	46,029	1.8	13,698	2,644,475	661,207	25.0	1,853,561	70.1	107,642	4.1	19,134
45 years and over.....	1,204,884	164,132	13.6	916,985	76.1	112,351	9.3	10,175	1,108,088	139,409	11.9	730,339	64.2	269,350	23.1	8,127
Foreign-born white:																
15 years and over: <sup>2</sup>	7,139,893	2,268,916	31.8	4,432,135	62.1	384,726	5.4	23,059	5,446,306	994,110	18.3	3,624,093	66.5	800,112	14.7	20,542
15 to 24 years.....	1,175,674	1,008,133	85.8	159,073	13.5	1,309	0.1	376	928,468	550,019	59.3	371,065	40.0	3,476	0.4	950
25 to 34 years.....	3,412,770	1,008,833	29.3	2,301,873	68.6	52,139	1.5	8,534	2,437,209	330,174	13.5	1,990,572	81.7	104,230	4.3	10,400
35 to 44 years and over.....	2,501,745	245,630	9.8	1,906,677	76.2	330,489	13.2	14,681	2,074,124	112,152	5.4	1,259,609	60.7	690,971	33.3	9,067
Negro:																
15 years and over: <sup>2</sup>	3,079,312	1,083,472	35.4	1,749,228	57.2	189,970	6.2	20,146	3,103,544	823,906	26.6	1,775,949	57.2	459,831	14.8	33,286
15 to 24 years.....	780,102	780,147	100.0	780,147	100.0	780,147	100.0	780,147	780,147	780,147	100.0	780,147	100.0	780,147	100.0	780,147
25 to 34 years.....	1,304,098	256,399	19.7	967,505	74.2	64,405	4.9	11,866	1,334,080	153,787	11.5	963,610	74.5	164,192	12.3	20,496
35 to 44 years and over.....	748,036	42,946	5.7	580,382	77.6	116,700	15.6	6,253	654,191	27,726	4.2	358,227	54.8	261,302	39.9	5,519

<sup>1</sup> Total includes persons whose marital condition was not reported.<sup>2</sup> Totals include persons of unknown age.<sup>3</sup> Less than one-tenth of 1 per cent.



## MARITAL CONDITION

MARITAL CONDITION OF THE POPULATION 15 YEARS OF AGE AND OVER FOR THE UNITED STATES AND DIVISIONS: 1910—Continued.

**Table 32—Continued.**

Table 32—Continued.

MALES 15 YEARS OF AGE AND OVER.

FEMALES 15 YEARS OF AGE AND OVER.

DIVISION, CLASS OF POPULATION, AND AGE PERIOD.	Total <sup>1</sup> .	Single.		Married.		Widowed.		Divorced.		Total <sup>1</sup> .	Single.		Married.		Widowed.		Divorced.	
		Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.		Number.	Per cent.	Number.	Per cent.	Number.	Per cent.		
NEW ENGLAND.																		
All classes:																		
15 years of age and over: <sup>2</sup>																		
1910 . . . . .	2,369,362	916,725	38.6	1,314,860	55.5	121,397	5.1	12,183	0.5	2,401,998	821,842	34.2	1,286,344	53.8	277,078	11.5	14,150	0.6
1900 . . . . .	1,995,422	782,466	39.2	1,083,535	54.6	106,199	5.3	8,105	0.4	2,063,373	715,054	34.7	1,078,704	52.3	254,092	12.3	10,586	0.5
1910																		
15 to 19 years . . . . .	290,134	287,518	99.1	1,962	0.7	21	0.0	7	0.0	293,653	275,367	93.8	17,538	6.0	127	0.0	77	0.0
20 to 24 years . . . . .	302,989	243,668	80.4	57,564	19.1	532	0.2	226	0.1	311,790	192,656	61.8	116,827	37.5	1,254	0.4	3,389	1.1
25 to 34 years . . . . .	556,690	219,938	39.5	328,640	59.0	5,443	1.0	1,929	0.4	555,639	173,594	31.4	365,422	65.6	10,679	1.9	4,389	0.8
35 to 44 years . . . . .	478,218	88,554	18.5	371,955	77.8	13,769	2.9	3,518	0.7	468,688	84,464	18.0	374,308	79.7	29,458	6.3	4,193	0.9
45 years and over . . . . .	736,598	74,427	10.1	653,088	75.1	101,970	13.8	6,464	0.9	771,104	94,712	12.3	653,153	84.8	23,502	3.0	5,674	0.7
Native white—Native percentage:																		
15 years and over: <sup>2</sup>																		
15 to 24 years . . . . .	939,775	326,362	34.7	542,490	57.7	60,620	6.5	8,195	0.9	973,103	303,688	31.3	516,794	53.1	137,162	14.1	9,255	0.9
25 to 34 years . . . . .	133,686	190,951	83.4	22,015	10.3	193	0.1	116	0.1	217,171	168,410	77.5	47,509	21.9	555	0.3	2,430	1.1
35 to 44 years . . . . .	354,033	97,762	27.6	245,710	69.9	6,789	1.9	3,363	0.9	359,786	88,163	24.5	235,865	70.6	12,706	3.6	4,722	1.3
45 years and over . . . . .	369,690	36,986	10.0	274,083	74.2	53,499	14.5	4,685	1.3	399,409	51,631	13.1	214,843	54.5	123,568	31.3	4,174	1.0
Native white—For or mixed par.:																		
15 years and over: <sup>2</sup>																		
15 to 24 years . . . . .	527,729	300,687	57.0	210,162	39.8	14,302	2.7	1,911	0.4	572,353	286,745	51.8	240,421	42.0	32,321	5.6	2,215	0.4
25 to 34 years . . . . .	298,141	194,592	93.5	12,970	6.2	146	0.1	70	0.0	217,967	186,448	85.5	30,651	14.1	321	0.1	1,711	0.8
35 to 44 years . . . . .	234,046	90,008	40.2	128,285	57.3	1,434	0.2	1,127	0.5	251,192	90,631	36.1	149,465	59.5	9,489	3.8	1,428	0.6
45 years and over . . . . .	95,154	15,893	16.7	68,782	72.3	9,702	10.2	711	0.7	102,782	19,462	18.9	60,194	58.6	22,467	21.9	610	0.6
Foreign-born white:																		
15 years and over: <sup>2</sup>																		
15 to 24 years . . . . .	872,557	276,206	31.7	547,326	62.7	45,501	5.2	1,890	0.3	830,506	208,082	25.1	516,095	62.1	103,234	12.4	2,430	0.3
25 to 34 years . . . . .	165,036	140,302	85.0	24,149	14.6	199	0.1	41	0.0	183,344	108,432	59.2	54,469	33.2	461	0.3	1,212	0.7
35 to 44 years . . . . .	441,368	114,887	26.0	317,591	72.0	7,534	1.7	846	0.2	398,450	76,349	19.2	304,038	76.3	16,421	4.1	1,469	0.4
45 years and over . . . . .	264,364	20,403	7.7	205,663	77.6	37,670	14.2	998	0.4	267,285	22,882	8.6	157,234	58.8	86,123	32.2	845	0.3
Negro:																		
15 years and over: <sup>2</sup>																		
15 to 24 years . . . . .	24,955	10,345	41.5	12,893	51.7	1,454	5.8	177	0.7	25,724	8,121	32.1	12,641	50.0	4,235	16.8	238	0.9
25 to 34 years . . . . .	5,588	4,639	86.6	716	12.8	14	0.3	6	0.0	5,243	4,495	72.2	1,665	26.9	44	0.7	111	2.1
35 to 44 years . . . . .	13,076	4,658	35.6	7,862	60.1	423	3.2	105	0.8	12,604	2,897	23.0	8,176	64.9	1,376	10.9	147	1.2
45 years and over . . . . .	6,209	831	13.4	4,297	69.2	1,012	16.3	66	1.1	6,366	710	11.2	2,779	43.7	2,796	43.9	77	1.2
MIDDLE ATLANTIC.																		
All classes:																		
15 years of age and over: <sup>2</sup>																		
1910 . . . . .	6,997,518	2,730,208	39.0	3,925,525	56.1	303,384	4.3	16,126	0.2	6,722,832	2,844,495	42.6	3,770,008	56.1	727,120	10.8	10,712	0.2
1900 . . . . .	5,383,757	2,134,743	39.7	2,976,891	55.3	246,918	4.6	8,778	0.2	5,341,426	1,781,079	33.3	2,923,463	54.7	617,470	11.6	12,125	0.2
1910																		
15 to 19 years . . . . .	889,098	879,687	98.9	5,713	0.6	103	0.0	19	0.0	912,371	844,617	92.6	63,222	6.9	527	0.1	1,611	0.2
20 to 24 years . . . . .	971,668	705,016	78.7	200,804	20.7	1,889	0.2	452	0.0	968,239	545,115	56.1	415,296	43.8	5,227	0.5	1,372	0.1
25 to 34 years . . . . .	1,781,214	650,796	36.5	1,107,740	62.1	17,330	1.0	3,397	0.2	1,633,600	367,349	22.5	1,169,021	71.6	39,212	2.4	1,469	0.1
35 to 44 years . . . . .	1,416,225	243,190	17.2	1,126,557	79.5	33,604	2.8	4,998	0.4	1,293,162	158,014	14.5	1,063,471	78.7	74,486	7.3	6,232	0.5
45 years and over . . . . .	1,921,020	187,230	9.7	1,450,867	77.1	243,317	12.7	7,225	0.4	1,907,201	193,317	10.1	1,519,571	78.7	586,438	30.8	6,328	0.3
Native white—Native percentage:																		
15 years and over: <sup>2</sup>																		
15 to 24 years . . . . .	2,816,680	1,088,318	38.6	1,457,510	55.8	134,736	4.8	9,362	0.3	2,886,910	972,157	33.7	1,592,567	55.2	304,844	10.6	11,844	0.4
25 to 34 years . . . . .	805,528	707,322	87.8	94,070	11.7	993	0.1	287	0.0	833,425	626,950	75.2	200,263	24.0	2,591	0.3	958	0.1
35 to 44 years . . . . .	1,153,924	301,050	26.0	825,619	71.4	22,608	2.0	4,751	0.4	1,189,096	247,803	21.2	867,670	74.2	45,929	3.9	7,085	0.6
45 years and over . . . . .	684,830	78,039	9.2	615,159	77.4	11,042	1.3	4,302	0.7	697,971	96,414	11.0	532,214	59.5	255,807	29.1	3,279	0.5
Native white—For or mixed par.:																		
15 years and over: <sup>2</sup>																		
15 to 24 years . . . . .	1,832,347	782,600	43.0	696,403	45.4	47,402	3.1	3,208	0.2	1,643,681	728,921	44.3	781,971	47.6	125,463	7.6	4,775	0.3
25 to 34 years . . . . .	536,977	499,128	93.0	33,445	6.6	406	0.1	85	0.0	568,190	468,161	82.4	96,363	17.0	1,218	0.2	407	0.1
35 to 44 years . . . . .	684,830	233,647	35.5	442,330	62.4	13,822	2.1	1,817	0.3	628,740	288,240	28.3	474,491	75.6	35,908	4.5	2,389	0.4
45 years and over . . . . .	329,305	46,350	14.1	248,256	75.4	33,100	10.1	1,296	0.5	332,490	51,339	14.6	210,657	59.8	89,092	26.3	1,157	0.3
Foreign-born white:																		
15 years and over: <sup>2</sup>																		
15 to 24 years . . . . .	2,479,585	790,763	31.9	1,566,941	63.2	112,244	4.5	3,029	0.1	2,024,511	436,601	21.6	1,310,116	64.7	271,452	13.4	3,775	0.2
25 to 34 years . . . . .	479,794	406,204	84.7	71,044	14.8	478	0.1	77	0.0	479,794	29,246	6.0	450,548	93.9	1,570	0.3	1,372	0.3
35 to 44 years . . . . .	1,283,111	325,981	25.4	937,541	73.0	17,758	1.4	1,506	0.1	948,406	131,058	13.8	717,339	81.4	42,737	4.5	2,239	0.2
45 years and over . . . . .	710,084	57,086	8.0	556,861	78.4	93,818	13.2	1,441	0.2	641,317	42,588	6.6	370,997	57.7	226,904	35.4	1,312	0.2
Negro:																		
15 years and over: <sup>2</sup>																		
15 to 24 years . . . . .	156,872	61,337	39.2	85,523	54.5	8,673	5.5	500	0.3	165,026	50,736	30.7	87,989	53.3	25,087	15.2	787	0.5
25 to 34 years . . . . .	36,243	30,081	83.0	5,818	16.1	119	0.3	20	0.0	45,127	29,831	66.1	14,487	32.1	567	1.3	85	0.2
35 to 44 years . . . . .	86,991	26,675	30.9	56,431	64.9	3,172	3.6	305	0.3	86,478	17,821	20.6	58,626	67.1	1,947	11.5	606	3.6
45 years and over . . . . .	32,951	4,389	13.3	22,977	69.7	5,335	16.2	174	0.5	32,837	2,950	9.0	15,229	46.4	14,436	44.6	13	0.0
EAST NORTH CENTRAL.																		
All classes:																		
15 years of age and over: <sup>2</sup>																		
1910 . . . . .	6,668,580	2,467,535	37.5	3,798,083	57.0	301,398	4.5	40,821	0.6	6,193,806	1,803,210	29.1	3,704,975	59.8	828,340	10.1	45,825	0.7
1900 . . . . .	5,554,053	2,161,491	38.9	3,096,149	55.8	251,502	4.5	24,176	0.4	5,234,960	1,578,238	30.1	3,075,297	58.7	545,834	10.4	30,007	0.6
1910																		
15 to 19 years . . . . .	858,074	874,527	98.8	6,162	0.7	110	0.0	49	0.0	875,579	796,889	91.0	73,401	8.4	729	0.1	491	0.1
20 to 24 years . . . . .	900,151	698,997	77.6	193,512	21.5	2,083	0.2	1,371	0.1	808,608	449,507	55.7	407,622	49.6	5,470	0.6	1,392	0.2
25 to 34 years . . . . .	1,572,790	546,413	34.7	996,484	63.4	17,379	1.1	8,659	0.5	1,447,901	306,084	21.2	1,093,215	75.6	20,952	1.5	15,111	1.0
35 to 44 years . . . . .	1,268,055	202,257	16.0	1,017,246	80.2	35,406	2.8	10,921	0.8	1,147,809	128,344	11.2	938,486	81.8	67,481	5.9	4,438	0.4
45 years and over . . . . .	2,020,781	170,056	8.4	1,580,236	78.2	245,598	12.2	10,679	0.5	1,845,141	119,408	6.5	1,187,995	64.3	520,507	28.2	15,333	0.8
Native white—Native percentage:																		
15 years and over: <sup>2</sup>																		
15 to 24 years . . . . .	3,212,530	1,204,359	37.5	1,817,346	56.6	146,687	4.6	23,995	0.7	3,118,327	934,780	30.0	1,851,313	59.4	297,411	9.5	27,031	0.9
25 to 34 years . . . . .	900,208	832,163	86.7	121,388	12.4	1,429	0.1	968	0.1	966,039	677,297	70.1	178,634	28.8	3,734	0.4	3,088	0.3
35 to 44 years . . . . .	1,283,290	296,517	23.1	986,484	76.9	13,822	1.1	11,632	0.9	1,247,901	196,246	15.7	1,049,215	79.4	44,118	3.5	15,111	1.2
45 years and over . . . . .	511,003	71,951	7.6	746,309	75													

<sup>1</sup> Total includes persons whose marital condition was not reported.

<sup>2</sup> Totals include persons of unknown age.

<sup>3</sup> Less than one-tenth of 1 per cent.

## MARITAL CONDITION OF THE POPULATION 15 YEARS OF AGE AND OVER FOR THE UNITED STATES AND DIVISIONS: 1910—Continued.

Table 32—Continued.

Table 32—Continued.

MALES 15 YEARS OF AGE AND OVER.

DIVISION, CLASS OF POPULATION, AND AGE PERIOD.	Total. <sup>1</sup>	Single.				Married.				Widowed.				Divorced.			
		Number.		Per cent.		Number.		Per cent.		Number.		Per cent.		Number.		Per cent.	
		Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.		
WEST NORTH CENTRAL.																	
All classes:																	
15 years of age and over: <sup>2</sup>	4,214,656	1,706,556	40.5	2,279,407	54.1	179,162	4.3	22,938	3,711,981	1,100,837	29.7	2,241,834	60.4	332,341	9.0	24,707	
1910	3,556,391	1,486,138	41.8	1,893,845	53.3	150,768	4.2	12,947	3,130,469	949,498	30.3	1,879,354	60.0	281,159	9.0	15,903	
1900																	
15 to 19 years.	589,264	589,591	98.4	4,038	0.7	90	(*)	37	585,329	525,550	89.8	53,868	9.2	587	0.1	373	
20 to 24 years.	693,739	480,054	70.5	117,339	19.4	1,374	0.2	770	559,418	288,979	51.3	264,110	47.2	3,733	0.7	2,483	
25 to 34 years.	994,988	383,627	38.6	592,008	59.5	11,106	1.1	4,671	880,989	178,190	20.2	675,378	76.7	18,764	2.1	7,179	
35 to 44 years.	768,184	138,841	18.1	569,587	78.1	22,010	2.9	6,133	685,907	61,598	9.3	553,582	84.0	36,784	5.6	6,423	
45 years and over.	1,520,565	109,823	8.9	969,428	78.3	143,979	11.7	11,240	1,029,291	46,857	4.6	692,497	67.9	271,581	26.6	8,213	
Native white—Native parentage:																	
15 years and over <sup>2</sup> .	2,125,364	844,335	39.7	1,164,161	54.8	88,198	4.1	13,460	1,950,292	580,402	29.8	1,183,403	60.7	164,973	8.5	14,835	
15 to 24 years.	667,865	381,877	57.1	79,682	11.9	496	0.1	547	654,451	447,323	68.4	108,592	16.4	2,200	0.4	1,977	
25 to 44 years.	854,655	215,561	25.2	612,922	71.7	17,468	2.0	6,587	783,423	109,128	13.9	637,819	81.4	27,390	3.5	8,148	
45 years and over.	590,374	43,979	7.4	469,724	79.6	69,406	11.8	6,266	507,620	22,454	4.4	345,518	68.1	134,425	26.5	4,788	
Native white—For. or mixed par.:																	
15 years and over <sup>2</sup> .	1,064,797	551,045	51.8	481,792	45.2	22,912	2.2	4,128	1,024,390	420,277	41.0	547,314	53.4	47,833	4.7	5,088	
15 to 24 years.	395,312	365,377	92.4	26,259	6.6	210	0.1	138	395,274	309,411	78.3	81,817	20.7	712	0.2	414	
25 to 44 years.	477,217	162,470	34.0	304,208	63.8	7,150	1.5	2,228	461,897	97,061	21.1	346,095	74.9	14,219	3.1	3,192	
45 years and over.	190,962	22,598	11.8	150,897	79.0	15,494	8.1	1,755	166,352	12,886	7.7	119,080	71.6	32,827	19.7	1,419	
Foreign-born white:																	
15 years and over <sup>2</sup> .	912,638	267,574	29.3	575,487	63.1	59,984	6.6	3,935	637,826	76,027	11.9	454,262	71.2	103,061	16.2	3,176	
15 to 24 years.	111,052	96,067	88.3	11,485	10.3	98	0.1	38	66,459	37,662	56.7	27,878	41.9	2,256	0.4	1,161	
25 to 44 years.	378,905	128,192	33.8	241,912	63.8	5,836	1.5	1,150	250,113	27,334	11.0	212,467	84.9	9,631	3.5	1,222	
45 years and over.	419,420	40,465	9.6	321,577	76.7	53,919	12.9	2,734	320,497	10,670	3.3	213,604	66.6	94,901	29.3	1,877	
Negro:																	
15 years and over <sup>2</sup> .	96,446	37,701	39.0	49,704	51.4	7,287	7.5	1,300	86,714	21,322	24.6	48,997	56.2	14,920	17.2	1,441	
15 to 24 years.	24,327	20,467	84.1	3,455	14.2	146	0.6	77	24,850	15,245	61.3	8,629	34.7	613	2.5	226	
25 to 44 years.	60,910	14,556	24.0	42,423	69.6	2,440	4.0	761	51,188	5,250	10.3	38,592	75.4	5,100	13.8	959	
45 years and over.	25,179	2,499	9.9	17,537	69.6	4,621	18.4	455	21,371	800	3.7	11,256	52.7	9,017	42.2	247	
SOUTH ATLANTIC.																	
All classes:																	
15 years of age and over: <sup>2</sup>	3,821,777	1,408,947	36.9	2,211,053	57.9	174,957	4.6	10,579	3,734,991	1,122,814	29.6	2,216,806	58.4	429,174	11.3	16,021	
1910	3,165,702	1,256,020	39.7	1,749,894	55.3	139,982	4.4	5,913	3,202,665	1,041,220	32.5	1,757,898	54.4	385,988	12.1	11,024	
1900																	
15 to 19 years.	625,530	618,988	97.4	12,188	1.9	261	(*)	50	624,262	548,339	88.8	99,382	15.2	2,350	0.4	578	
20 to 24 years.	579,468	386,890	66.8	184,925	31.9	3,794	0.7	737	614,057	254,652	41.5	342,257	55.7	12,905	2.1	2,380	
25 to 34 years.	960,210	248,107	25.8	624,008	69.9	17,458	1.9	2,848	916,188	166,447	18.2	699,902	76.4	42,646	4.7	5,350	
35 to 44 years.	676,420	92,931	13.7	563,006	83.2	26,135	3.9	2,852	649,376	67,890	10.5	511,436	78.8	65,305	10.1	4,653	
45 years and over.	1,017,771	68,655	6.7	816,619	80.2	126,589	12.4	4,051	952,427	82,733	8.7	560,171	58.8	304,184	31.9	3,652	
Native white—Native parentage:																	
15 years and over <sup>2</sup> .	2,265,628	857,630	37.4	1,333,187	58.1	91,768	4.0	5,360	2,271,647	691,194	30.4	1,349,377	59.4	218,161	9.6	7,281	
15 to 24 years.	728,474	615,179	84.5	107,743	14.8	1,539	0.2	378	741,740	452,258	60.9	251,029	33.8	4,514	0.6	1,285	
25 to 44 years.	937,998	198,615	21.2	715,217	70.2	19,625	2.1	2,815	926,460	147,944	15.9	752,134	79.0	41,419	4.5	4,286	
45 years and over.	664,296	42,910	6.8	598,634	81.5	70,539	11.3	2,152	606,189	60,376	10.1	364,948	60.8	17,758	2.6	2,066	
Native white—For. or mixed par.:																	
15 years and over <sup>2</sup> .	145,427	63,513	43.7	73,131	51.7	5,904	4.0	539	151,502	57,276	37.8	77,892	51.4	15,245	10.1	716	
15 to 24 years.	39,818	36,452	91.5	3,068	7.7	47	0.1	18	40,629	32,013	78.8	8,181	20.1	172	0.4	66	
25 to 44 years.	63,804	21,485	33.7	40,624	63.7	1,291	2.0	287	68,668	18,730	27.5	45,513	66.4	2,601	3.5	440	
45 years and over.	41,638	5,510	13.2	31,775	75.4	4,456	10.7	232	42,606	6,430	15.1	24,472	57.4	11,448	26.9	204	
Foreign-born white:																	
15 years and over <sup>2</sup> .	163,476	54,059	33.1	98,714	60.4	9,418	5.8	391	108,652	18,308	16.9	70,996	65.3	18,812	17.3	211	
15 to 24 years.	29,352	25,227	85.9	3,926	13.4	41	0.1	14	17,547	9,304	53.0	8,079	46.8	86	0.5	316	
25 to 44 years.	78,240	22,891	29.3	53,765	68.7	1,218	1.6	154	47,962	5,773	12.0	39,605	82.8	2,253	4.7	386	
45 years and over.	55,149	5,709	10.4	40,892	74.1	8,141	14.8	221	42,947	3,165	7.4	23,151	53.9	16,434	38.3	1,141	
Negro:																	
15 years and over <sup>2</sup> .	1,213,076	431,943	35.6	701,837	57.9	67,831	5.6	4,277	1,209,627	355,312	28.2	716,955	56.9	176,715	14.0	7,363	
15 to 24 years.	416,472	328,047	78.8	82,183	19.7	2,425	0.6	377	467,457	278,881	59.7	173,971	37.2	10,476	2.2	1,541	
25 to 44 years.	494,773	87,399	17.7	381,358	77.1	21,427	4.3	2,440	322,126	62,624	19.4	393,598	74.4	60,631	11.6	4,541	
45 years and over.	295,418	14,949	5.1	234,839	79.5	43,553	14.7	1,438	266,021	12,703	4.8	147,182	55.3	104,338	39.2	1,267	
EAST SOUTH CENTRAL.																	
All classes:																	
15 years of age and over: <sup>2</sup>	2,622,924	915,547	34.9	1,552,737	59.2	133,432	5.1	12,796	2,586,311	694,210	26.8	1,559,716	60.3	305,378	11.8	21,012	
1910	2,288,793	882,591	38.6	1,282,622	56.0	110,145	4.8	6,611	2,263,288	670,768	29.9	1,282,274	56.7	287,403	12.7	13,095	
1900																	
15 to 19 years.	449,105	435,288	96.9	11,214	2.5	254	0.1	87	445,947	365,898	80.3	84,491	18.5	2,674	0.6	802	
20 to 24 years.	391,982	243,531	62.1	141,218	36.0	4,275	1.1	342	422,195	154,128	36.5	250,942	59.4	12,420	2.9	3,811	
25 to 34 years.	612,192	146,258	23.9	447,882	72.7	16,009	2.6	3,831	629,084	95,741	15.2	490,091	77.9	35,073	5.6	7,364	
35 to 44 years.	452,399	37,929	8.4	380,437	84.1	23,041	5.1	3,135	440,009	37,198	8.4	351,853	79.9	46,213	10.5	4,782	
45 years and over.	708,681	40,266	5.7	371,221	80.6	91,808	13.0	4,302	631,685	39,722	6.3	379,264	60.0	207,282	32.8	8,227	
Native white—Native parentage:																	

## MARITAL CONDITION OF THE POPULATION 15 YEARS OF AGE AND OVER FOR THE UNITED STATES AND DIVISIONS: 1910—Continued.

Table 32—Continued.

DIVISION, CLASS OF POPULATION, AND AGE PERIOD.		MALES 15 YEARS OF AGE AND OVER.								FEMALES 15 YEARS OF AGE AND OVER.							
		Single.		Married.		Widowed.		Divorced.	Total <sup>1</sup>	Single.		Married.		Widowed.		Divorced.	
		Number.	Per cent.	Number.	Per cent.	Number.	Per cent.			Number.	Per cent.	Number.	Per cent.	Number.	Per cent.		
WEST SOUTH CENTRAL.																	
All classes:																	
15 years of age and over: <sup>2</sup>																	
1910.....																	
1900.....																	
1910																	
15 to 19 years.....																	
20 to 24 years.....																	
25 to 34 years.....																	
35 to 44 years.....																	
45 years and over.....																	
Native white—Native parentage:																	
15 years and over <sup>2</sup> .....																	
15 to 24 years.....																	
25 to 44 years.....																	
45 years and over.....																	
Native white—For. or mixed par.:																	
15 years and over <sup>2</sup> .....																	
15 to 24 years.....																	
25 to 44 years.....																	
45 years and over.....																	
Foreign-born white:																	
15 years and over <sup>2</sup> .....																	
15 to 24 years.....																	
25 to 44 years.....																	
45 years and over.....																	
Negro:																	
15 years and over <sup>2</sup> .....																	
15 to 24 years.....																	
25 to 44 years.....																	
45 years and over.....																	
MOUNTAIN.																	
All classes:																	
15 years of age and over: <sup>2</sup>																	
1910.....																	
1900.....																	
1910																	
15 to 19 years.....																	
20 to 24 years.....																	
25 to 34 years.....																	
35 to 44 years.....																	
45 years and over.....																	
Native white—Native parentage:																	
15 years and over <sup>2</sup> .....																	
15 to 24 years.....																	
25 to 44 years.....																	
45 years and over.....																	
Native white—For. or mixed par.:																	
15 years and over <sup>2</sup> .....																	
15 to 24 years.....																	
25 to 44 years.....																	
45 years and over.....																	
Foreign-born white:																	
15 years and over <sup>2</sup> .....																	
15 to 24 years.....																	
25 to 44 years.....																	
45 years and over.....																	
Negro:																	
15 years and over <sup>2</sup> .....																	
15 to 24 years.....																	
25 to 44 years.....																	
45 years and over.....																	
PACIFIC.																	
All classes:																	
15 years of age and over: <sup>2</sup>																	
1910.....																	
1900.....																	
1910																	
15 to 19 years.....																	
20 to 24 years.....																	
25 to 34 years.....																	
35 to 44 years.....																	
45 years and over.....																	
Native white—Native parentage:																	
15 years and over <sup>2</sup> .....																	
15 to 24 years.....																	
25 to 44 years.....																	
45 years and over.....																	
Native white—For. or mixed par.:																	
15 years and over <sup>2</sup> .....																	
15 to 24 years.....																	
25 to 44 years.....																	
45 years and over.....																	
Foreign-born white:																	
15 years and over <sup>2</sup> .....																	
15 to 24 years.....																	
25 to 44 years.....																	
45 years and over.....																	
Negro:																	
15 years and over <sup>2</sup> .....																	
15 to 24 years.....																	
25 to 44 years.....																	
45 years and over.....																	

## MARITAL CONDITION OF THE POPULATION 15 YEARS OF AGE AND OVER, BY STATES: 1910.

Table 33

Table 33	MALES 15 YEARS OF AGE AND OVER.										FEMALES 15 YEARS OF AGE AND OVER.										
DIVISION, STATE, AND CLASS OF POPULATION.	Single.				Married.		Widowed.		Di- vorced.		Total. <sup>1</sup>	Single.				Married.		Widowed.		Di- vorced.	
	Num- ber.	Per- cent.	Num- ber.	Per- cent.	Num- ber.	Per- cent.	Num- ber.	Per- cent.	Num- ber.	Per- cent.		Num- ber.	Per- cent.	Num- ber.	Per- cent.	Num- ber.	Per- cent.	Num- ber.	Per- cent.		
NEW ENGLAND.																					
Maine.....	274,942	95,261	34.6	158,941	57.8	17,531	8.4	2,836	264,363	72,543	27.4	156,535	58.2	32,444	12.3	2,490					
Native white—Native parentage.....	184,306	59,313	32.2	109,418	59.4	13,063	7.1	1,146	181,052	46,961	25.9	107,319	59.3	24,475	12.5	2,048					
Native white—Foreign or mixed par.....	36,109	18,674	51.7	15,866	43.9	1,302	3.6	226	34,862	15,108	43.3	17,062	48.9	2,442	7.0	202					
Foreign-born white.....	53,515	16,837	31.5	33,174	62.0	3,086	5.8	252	47,659	10,208	21.4	31,756	66.6	5,416	11.4	226					
Negro.....	554	250	45.1	249	44.9	46	8.3	9	495	192	38.8	217	43.8	74	14.9	11					
New Hampshire.....	159,792	57,073	35.7	91,064	56.9	9,820	6.1	1,598	157,877	46,908	29.7	89,357	56.6	19,336	12.6	1,507					
Native white—Native parentage.....	87,153	26,584	30.5	52,419	60.1	6,408	7.7	1,235	88,668	23,179	26.1	50,467	56.9	13,732	15.5	1,156					
Native white—Foreign or mixed par.....	25,225	14,017	55.6	10,240	40.6	720	2.9	182	26,582	12,948	48.7	12,021	45.2	1,382	5.2	166					
Foreign-born white.....	47,286	16,248	34.4	28,246	59.7	2,412	5.1	177	42,396	10,633	25.2	26,765	63.1	4,696	11.1	183					
Negro.....	229	95	41.5	111	48.5	18	7.9	4	211	84	39.8	97	46.0	26	12.3	1					
Vermont.....	132,793	45,567	34.3	77,671	58.5	8,281	6.2	1,141	124,884	32,363	26.4	75,681	60.6	15,215	12.2	990					
Native white—Native parentage.....	81,917	27,295	33.3	48,153	58.8	5,639	6.8	851	79,789	21,144	26.5	47,908	59.6	10,330	13.0	748					
Native white—Foreign or mixed par.....	23,832	9,914	41.6	12,752	53.5	997	4.2	154	24,689	8,426	34.1	14,155	57.3	1,955	7.9	150					
Foreign-born white.....	25,971	7,584	29.2	16,510	63.6	1,717	6.6	121	19,988	3,308	16.5	13,713	68.6	2,890	14.4	84					
Negro.....	1,054	795	72.6	248	23.5	27	2.6	14	320	84	26.3	199	62.2	29	9.1	8					
Massachusetts.....	1,197,828	479,048	40.0	655,740	54.7	58,800	4.7	3,331	1,259,898	465,040	36.9	644,531	51.2	143,519	11.4	5,968					
Native white—Native parentage.....	388,440	140,370	36.1	221,584	57.0	23,076	5.9	2,503	418,054	148,494	35.4	246,061	59.3	60,210	14.4	3,487					
Native white—Foreign or mixed par.....	228,033	174,172	76.4	115,191	50.7	7,548	3.5	878	329,011	178,439	54.2	131,046	39.8	18,162	5.5	1,077					
Foreign-born white.....	494,256	157,136	31.8	310,195	62.8	25,579	5.1	839	407,089	133,251	32.8	229,648	60.3	62,623	12.6	1,299					
Negro.....	14,237	5,941	41.7	7,391	51.9	753	5.3	87	14,576	4,783	32.8	7,232	49.6	2,447	16.8	100					
Rhode Island.....	195,731	78,502	40.1	105,671	54.0	9,822	5.0	1,097	197,320	70,730	35.8	102,938	52.2	21,821	10.9	1,577					
Native white—Native parentage.....	57,503	21,915	38.1	31,218	54.3	3,541	6.2	603	58,123	20,029	34.5	29,091	50.1	7,929	13.2	840					
Native white—Foreign or mixed par.....	50,085	29,371	58.6	18,940	37.8	1,283	2.5	235	54,197	29,977	55.5	21,965	40.5	2,822	5.2	314					
Foreign-born white.....	84,260	25,641	30.4	53,469	63.5	4,687	5.6	226	81,202	20,576	25.3	50,162	61.6	10,075	12.4	369					
Negro.....	3,510	1,404	40.0	1,860	53.0	208	5.9	32	3,689	1,108	30.0	1,541	41.9	673	18.2	53					
Connecticut.....	408,098	160,274	39.3	225,773	55.3	19,733	4.8	1,380	397,656	133,658	33.6	217,302	54.6	44,541	11.2	1,819					
Native white—Native parentage.....	140,456	50,885	36.2	79,698	56.7	8,733	6.2	857	146,409	48,878	33.4	75,848	51.8	20,466	14.0	975					
Native white—Foreign or mixed par.....	94,444	54,509	57.7	37,175	39.4	2,352	2.5	236	103,012	52,847	51.3	44,179	42.9	5,528	5.4	306					
Foreign-born white.....	167,269	52,660	31.5	105,732	63.2	8,220	4.9	255	142,182	30,046	21.1	94,184	66.2	17,544	12.3	275					
Negro.....	5,371	1,890	35.2	3,034	56.5	402	7.5	31	5,983	1,870	31.3	3,055	51.1	956	16.5	63					
MIDDLE ATLANTIC.																					
New York.....	3,333,279	1,327,337	39.8	1,840,960	55.2	145,844	4.4	7,436	3,291,714	1,109,671	33.7	1,793,558	54.5	373,190	11.3	10,227					
Native white—Native parentage.....	1,096,881	428,734	40.0	592,718	54.0	54,712	5.0	3,784	1,121,755	387,512	34.5	597,588	53.3	124,138	11.5	4,969					
Native white—Foreign or mixed par.....	840,414	438,787	52.1	277,570	44.9	25,721	3.1	1,692	999,613	408,960	40.9	426,513	46.9	70,430	7.7	2,347					
Foreign-born white.....	1,336,493	428,955	32.1	840,237	62.9	62,065	4.7	7,775	1,201,766	294,396	24.5	739,251	61.5	164,167	13.7	7,800					
Negro.....	51,428	21,151	41.1	27,435	53.3	2,533	4.9	164	56,485	18,268	32.3	28,577	50.6	9,206	16.3	292					
New Jersey.....	914,788	346,544	37.9	524,166	57.3	39,812	4.4	1,552	884,483	279,432	31.6	506,985	57.3	94,289	10.7	1,884					
Native white—Native parentage.....	339,326	127,941	37.7	192,963	56.9	16,261	4.8	824	345,032	115,679	33.2	192,633	55.3	37,923	10.9	1,040					
Native white—Foreign or mixed par.....	265,558	160,680	60.5	92,299	34.9	5,779	2.8	296	220,250	98,627	44.8	106,193	48.2	14,992	6.6	401					
Foreign-born white.....	335,718	98,956	29.5	219,719	65.4	15,882	4.7	243	281,245	54,789	19.5	188,853	67.1	36,577	13.1	1,319					
Negro.....	52,851	12,228	23.2	18,649	35.3	1,775	3.4	88	54,868	10,302	18.6	19,266	35.2	5,112	9.7	304					
Pennsylvania.....	2,749,550	1,056,327	38.4	1,566,397	57.0	117,728	4.3	7,138	2,546,635	800,392	31.4	1,473,465	57.9	259,641	10.2	8,604					
Native white—Native parentage.....	1,380,473	521,643	37.8	790,799	57.8	63,663	4.6	4,754	1,417,123	408,969	32.1	801,976	56.6	137,781	9.7	5,856					
Native white—Foreign or mixed par.....	489,353	241,593	49.7	126,534	25.6	15,902	3.3	1,220	576,831	221,834	43.1	249,283	48.5	40,551	7.9	1,531					
Foreign-born white.....	807,374	262,913	32.6	506,965	62.8	33,737	4.2	911	541,500	87,476	16.2	382,012	70.5	70,528	13.0	380					
Negro.....	72,613	28,158	38.8	39,439	54.3	4,365	6.0	248	73,673	22,166	30.1	40,156	54.5	10,769	14.6	386					
EAST NORTH CENTRAL.																					
Ohio.....	1,755,663	654,137	37.5	1,022,124	58.2	83,738	4.8	10,594	1,667,482	481,784	28.9	991,870	59.5	178,798	10.7	12,386					
Native white—Native parentage.....	1,026,164	379,346	37.0	588,545	57.4	47,683	4.6	6,921	1,016,202	307,598	30.3	600,780	59.1	97,584	9.6	8,274					
Native white—Foreign or mixed par.....	354,009	145,585	41.1	109,578	31.1	12,467	3.5	1,971	276,257	132,806	48.1	208,093	55.5	31,623	8.4	2,487					
Foreign-born white.....	329,952	91,065	27.6	216,239	65.5	20,412	6.2	1,144	234,883	30,763	13.1	159,425	67.9	43,448	18.5	1,961					
Negro.....	44,894	17,774	39.6	23,210	51.7	3,162	7.0	558	40,052	10,596	26.5	22,641	56.5	6,138	15.3	564					
Indiana.....	979,564	333,108	34.0	585,360	59.8	49,804	5.1	7,865	925,273	242,128	26.2	578,526	62.3	96,210	10.4	8,478					
Native white—Native parentage.....	726,448	249,382	34.3	433,233	59.6	35,339	4.9	6,044	707,629	187,713	26.5	443,992	62.7	67,741	9.6	6,765					
Native white—Foreign or mixed par.....	134,958	88,662	66.1	79,676	59.0	5,342	4.0	942	136,664	43,044	31.5	80,784	59.1	11,562	8.5	1,040					
Foreign-born white.....	85,911	25,702	27.4	60,006	69.9	6,939	7.4	459	59,077	6,105	10.3	39,498	66.9	13,046	22.1	305					
Negro.....	23,848	9,945	41.9	12,327	51.7	1,969	8.3	418	21,818	5,238	24.0	12,204	55.9	3,811	17.7	457					
Illinois.....	2,071,223	813,770	39.3	1,143,793	55.2	88,077	4.2	11,008	1,901,558	577,197	30.4	1,113,992	58.6	191,345	10.1	13,172					
Native white—Native parentage.....	850,193	311,991	36.6	494,248	54.6	36,580	4.3	5,740	810,929	251,223	31.0	471,887	58.8	77,633	9.6	6,723					
Native white—Foreign or mixed par.....	560,131	269,962	58.0	244,414	46.1	12,241	2.3	2,352	551,044	234,966	42.5	281,000	51.0	30,759	5.6	3,279					
Foreign-born white.....	642,776	193,203	30.1	410,935	63.9	33,998	5.3	2,277	499,129	82,172	16.5	317,893	67.7	75,766	15.2	4,799					
Negro.....	45,199	17,441	38.6	23,361	51.7	3,292	7.2	635	39,961	8,860	22.2	25,051	67.7	7,172	17.9	660					
Michigan.....	1,033,089	373,079	36.1	602,102	58.3	47,409	4.6	7,479	944,683	258,662	27.1	587,323	62.2	92,424	9.8	7,504					





## MARITAL CONDITION OF THE POPULATION 15 YEARS OF AGE AND OVER FOR THE URBAN AND RURAL POPULATION: 1910.

Table 34

MALES 15 YEARS OF AGE AND OVER.

FEMALES 15 YEARS OF AGE AND OVER.

CLASS OF POPULATION AND AGE PERIOD.	MALES 15 YEARS OF AGE AND OVER.						FEMALES 15 YEARS OF AGE AND OVER.									
	Total. <sup>1</sup>	Single.	Married.	Widowed.	Divorced.	Total. <sup>1</sup>	Single.	Married.	Widowed.	Divorced.	Total. <sup>1</sup>	Single.	Married.	Widowed.	Divorced.	
	Num- ber.	Per- cent.	Num- ber.	Per- cent.	Num- ber.	Per- cent.	Num- ber.	Per- cent.	Num- ber.	Per- cent.	Num- ber.	Per- cent.	Num- ber.	Per- cent.	Num- ber.	
ALL CLASSES.																
Urban communities:																
15 years and over.	15,687,914	6,276,507	40.0	6,582,080	54.7	665,803	4.2	78,616	15,333,853	5,025,467	32.8	6,786,444	54.6	1,766,292	11.6	
15 to 19 years.	1,926,230	1,901,292	98.7	1,327,077	87.2	329	(?)	116	1,901,171	91.5	1,662,622	7.7	1,629,040	0.9	110,991	
20 to 24 years.	2,250,623	1,767,465	78.5	2,473,479	20.6	6,111	0.3	2,911	2,219,925	1,767,465	79.6	2,387,100	1.0	10,735		
25 to 34 years.	4,155,747	1,601,477	38.5	4,142,433	59.5	40,409	1.2	19,688	4,079,847	1,601,546	26.1	4,235,416	3.9	36,091		
35 to 44 years.	2,585,647	854,427	33.0	2,469,541	77.5	104,065	4.1	24,883	2,947,612	429,218	14.6	2,222,409	75.4	201,462	8.9	
45 to 64 years.	3,320,534	357,065	10.8	2,647,608	79.7	282,636	8.5	27,333	3,167,330	313,150	9.9	2,630,143	81.1	204,341	6.5	
65 years and over.	782,962	48,721	6.2	501,954	64.2	225,373	28.8	4,483	910,948	65,200	7.2	2,202,409	23.6	571,475	27.7	
Age unknown.	67,071	16,060	23.9	12,738	19.0	2,000	3.0	302	31,140	8,938	28.7	10,465	33.6	4,834	15.5	
Rural communities:																
15 years and over.	16,737,891	6,272,627	37.5	6,510,580	56.8	805,497	4.8	77,546	14,713,472	3,907,703	26.6	8,908,243	63.3	1,389,396	9.4	
15 to 19 years.	2,601,622	2,549,775	97.9	37,550	1.4	1,741	(?)	231	2,459,289	2,549,775	98.0	3,321,617	14.3	7,182		
20 to 24 years.	2,329,607	1,664,696	71.5	636,614	27.3	12,704	0.5	3,821	2,319,925	1,664,696	71.8	2,780,281	1.9	9,535		
25 to 34 years.	3,745,369	1,166,480	31.1	2,492,336	66.5	61,022	1.6	15,483	3,371,225	504,180	15.0	2,745,069	82.6	96,613	2.9	
35 to 44 years.	2,967,719	442,055	14.9	2,465,662	83.0	98,666	3.3	38,363	2,556,799	198,298	7.8	2,187,906	85.6	190,434	7.5	
45 to 64 years.	3,942,758	565,636	9.5	3,124,622	81.3	310,606	8.2	30,844	3,637,330	313,150	8.5	3,090,143	81.1	230,497	6.3	
65 years and over.	1,203,914	74,601	6.2	801,814	66.6	313,685	26.1	8,592	1,052,600	58,933	5.6	417,864	39.7	569,053	54.1	
Age unknown.	47,372	13,359	28.2	14,572	30.8	2,643	5.6	270	20,472	5,756	28.1	10,585	51.1	4,100	17.7	
NATIVE WHITE—NATIVE PARENTAGE.																
Urban communities:																
15 years and over.	6,120,304	2,460,937	40.2	3,312,098	54.1	258,600	4.2	40,545	6,197,574	2,106,687	34.0	3,318,766	53.6	698,079	11.3	
15 to 19 years.	855,880	843,231	98.9	8,900	0.9	129	(?)	37	855,880	843,231	98.9	855,880	1.4	7,425		
20 to 24 years.	913,338	698,011	76.4	206,804	22.6	2,557	0.3	1,611	909,121	538,048	59.2	1,442,239	16.2	8,639	0.9	
25 to 34 years.	1,574,856	571,043	36.3	986,773	63.5	19,881	1.3	10,241	1,541,875	397,011	25.7	1,078,251	69.9	46,364	3.0	
35 to 44 years.	1,133,049	195,397	17.2	886,124	78.2	35,533	3.2	12,260	1,081,773	166,265	14.8	815,462	75.4	88,397	8.2	
45 to 64 years.	1,252,105	124,574	9.9	1,006,111	80.4	104,641	8.4	13,787	1,127,319	104,141	9.2	923,154	77.1	530,497	47.1	
65 years and over.	347,390	20,135	5.8	230,190	66.5	93,319	26.9	2,423	424,400	36,537	8.6	126,824	30.9	225,682	61.0	
Age unknown.	43,688	8,636	19.8	5,504	12.6	817	1.9	176	16,793	4,715	28.1	5,260	31.0	1,635	47.1	
Rural communities:																
15 years and over.	10,112,791	3,724,347	36.8	5,532,001	57.7	470,777	4.7	48,911	9,326,396	2,537,435	27.2	5,908,618	63.3	1,825,461	8.9	
15 to 19 years.	1,604,645	1,590,645	99.2	14,000	0.9	77	(?)	1	1,604,645	1,590,645	99.2	1,604,645	1.3	6,319		
20 to 24 years.	1,419,576	993,374	70.0	411,436	29.0	6,313	0.4	2,152	1,380,887	986,408	71.4	1,802,622	58.1	13,212	1.0	
25 to 34 years.	2,213,310	610,708	27.6	1,555,775	70.3	32,903	1.5	9,152	2,120,634	316,183	14.9	1,744,772	82.3	45,633	2.2	
35 to 44 years.	1,720,995	219,736	12.8	1,433,218	83.3	54,571	3.2	11,032	1,500,949	124,250	8.3	1,347,677	86.4	77,779	5.0	
45 to 64 years.	2,295,229	190,877	8.3	1,880,532	82.6	185,175	8.1	19,033	2,094,356	128,367	6.1	1,497,807	73.1	315,124	16.3	
65 years and over.	741,959	40,907	5.5	602,491	81.2	189,538	25.5	5,230	687,219	45,600	6.6	271,360	39.5	366,871	53.2	
Age unknown.	25,081	7,444	29.7	6,534	26.1	1,388	5.5	165	11,947	4,234	35.7	5,013	42.0	1,653	13.9	
NATIVE WHITE—FOREIGN OR MIXED PARENTAGE.																
Urban communities:																
15 years and over.	3,594,608	1,850,359	51.6	1,621,367	45.1	88,167	2.7	16,534	3,955,301	1,762,246	44.5	1,876,389	47.6	283,896	7.2	
15 to 19 years.	694,435	688,837	99.2	2,303	0.3	61	(?)	20	694,435	688,837	99.2	694,435	1.4	364	(?)	
20 to 24 years.	581,132	488,452	84.1	89,135	15.3	934	0.2	484	567,325	435,554	76.8	214,895	32.7	3,051	0.5	
25 to 34 years.	1,001,800	406,775	40.6	479,792	52.9	9,616	1.1	3,996	1,006,934	330,373	34.3	623,348	61.9	23,424	2.4	
35 to 44 years.	718,120	168,673	23.5	521,323	72.6	21,748	3.0	5,634	788,303	164,241	20.8	555,366	70.5	68,767	8.7	
45 to 64 years.	634,191	90,854	14.3	487,836	76.9	49,733	7.8	5,233	598,427	58,114	9.7	380,143	63.7	206,127	22.0	
65 years and over.	61,652	5,311	8.6	39,944	64.8	15,756	25.8	436	73,702	7,369	10.0	22,116	30.0	49,547	59.9	
Age unknown.	3,157	1,487	47.1	968	30.7	169	5.4	25	3,340	1,609	48.2	1,032	30.9	385	11.5	
Rural communities:																
15 years and over.	2,190,629	1,055,683	48.2	1,058,349	48.2	62,622	2.9	8,854	1,931,830	890,771	46.1	1,130,234	58.5	98,238	5.1	
15 to 19 years.	400,453	398,575	99.2	4,876	1.2	43	(?)	1	400,453	398,575	99.2	400,453	1.3	1,728		
20 to 24 years.	332,985	281,122	84.4	46,702	14.8	8	0.0	251	301,662	166,413	55.2	132,382	43.9	1,923	0.6	
25 to 34 years.	520,181	217,935	41.9	294,684	56.7	4,685	0.9	1,594	476,409	103,904	21.8	362,535	76.1	7,317	1.5	
35 to 44 years.	425,131	91,005	21.4	320,894	75.4	10,880	2.5	2,474	372,929	42,789	11.5	312,532	83.8	15,234	4.1	
45 to 64 years.	442,011	61,850	14.0	345,765	78.2	30,653	6.8	3,855	386,443	35,667	9.2	248,774	63.9	17,413	4.5	
65 years and over.	67,016	6,145	9.2	43,648	64.8	16,667	24.9	651	53,122	3,533	6.7	22,310	42.0	27,012	50.8	
Age unknown.	2,480	1,036	42.6	888	35.8	151	6.1	21	1,527	334	21.9	619	40.2	109	11.1	
FOREIGN-BORN WHITE.																
Urban communities:																
15 years and over.	4,943,990	1,566,245	31.7	1,300,002	62.7	244,964	6.0	14,185	4,112,326	860,859	20.9	2,628,402	63.9	601,942	14.6	
15 to 19 years.	260,263	256,726	98.6	2,035	0.8	43	(?)	11	271,574	250,719	92.3	2,351	0.8	108	0.0	
20 to 24 years.	603,625	477,954	79.1	121,731	20.2	883	0.1	254	586,702	442,608	77.7	1,027,561	54.4	2,518	0.5	
25 to 34 years.	1,284,979	514,143	39.7	847,068	65.3	10,417	0.8	2,231	1,023,072	203,321	19.9	792,399	74.7	22,290	2.2	
35 to 44 years.	1,112,341	174,953	15.7	930,388	84.2	27,297	2.5	3,960	872,896	84,197	9.6	717,702	82.2	65,890	7.5	
45 to 64 years.	1,237,979	114,666	9.3	1,013,657	81.9	101,234	8.2	6,304	1,123,675	91,560	8.1	932,115	83.0	104,560	9.3	
65 years and over.	336,830	20,871	6.2	209,274	62.1	104,638	31.1	1,389	370,299	29,818	8.1	11,587	30.2	237,201	64.3	
Age unknown.	16,666	3,951	23.7	2,865	17.2	474	2.8	64	4,784	1,498	31.1	1,831	38.8	1,024	21.4	
Rural communities:																
15 years and over.	2,195,903	702,671	32.0	1,332,132	60.7	139,742	6.4	8,674	1,334,070	133,451	10.0	995,601	74.6	196,470	14.9	
15 to 19 years.	91,491	89,946	98.3	816	0.9	17	(?)	7	90,433	39,131	77.6	10,608	11.6	108	0.2	
20 to 24 years.	183,547	83,441	45.5	94,107	51.7	364	0.2	104	107,779	29,483	30.7	67,280	63.4	6,021	0.6	
25 to 34 years.	427,295	221,826	52.0	206,467	54.8	21,222	5.0	716	266,095	28,213	10.6	232,777	87.5	4,159	1.6	
35 to 44 years.	451,185	94,900	21.0	356,285	79.0	10,898	2.3	1,627	275,956	14,243	5.2	247,724	90.1	11,009	4.3	
45 to 64 years.	656,765	87,735	13.4	515,823	78.2	49,373	7.5	4,498	590,733	65,675	11.1	348,558	58.9	43,177	7.3	
65 years and over.	270,158	22,338	8.3	169,123	62.9	75,244	27.9									



## MARITAL CONDITION OF THE POPULATION 15 YEARS OF AGE AND OVER IN CITIES OF 250,000 INHABITANTS OR MORE: 1910.

Table 35

CITY AND CLASS OF POPULATION.	MALES 15 YEARS OF AGE AND OVER.										FEMALES 15 YEARS OF AGE AND OVER.									
	Single.		Married.		Widowed.		Di- vorced.		Total 1.	Single.		Married.		Widowed.		Di- vorced.				
	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.		Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.			
<b>Baltimore, Md.</b>	193,703	76,598	39.5	106,466	55.0	9,318	4.8	922	214,672	76,947	35.8	108,520	50.6	27,905	12.9	1,198				
Native white—Native parentage.	84,768	37,243	43.9	45,517	51.3	3,349	4.0	470	94,777	34,369	40.1	45,541	48.1	10,705	12.6	1,122				
Native white—Foreign or mixed par.	42,693	18,926	44.4	21,827	51.2	1,557	3.7	211	48,451	19,775	40.8	23,495	48.5	4,321	10.0	266				
Foreign-born white.	66,639	8,625	29.9	34,917	69.1	2,349	6.5	93	35,854	6,634	18.5	22,380	62.4	6,685	18.6	113				
Negro.	29,882	11,651	38.9	16,045	53.5	2,060	6.9	146	35,572	12,170	34.2	17,095	48.1	3,044	17.9	199				
<b>Boston, Mass.</b>	251,277	106,729	42.5	127,810	50.9	10,802	4.5	914	253,488	101,490	40.0	120,215	47.4	30,110	11.9	1,516				
Native white—Native parentage.	55,569	24,740	44.5	27,098	48.8	3,001	5.4	444	88,540	25,272	42.2	21,350	41.6	8,695	13.8	772				
Native white—Foreign or mixed par.	67,919	41,267	60.8	24,428	36.0	1,920	2.9	186	72,938	40,934	56.1	20,731	36.6	4,899	6.7	316				
Foreign-born white.	111,103	37,391	33.7	67,836	61.1	5,158	5.0	242	116,339	33,531	28.8	66,394	57.0	16,038	13.8	810				
Negro.	5,482	2,359	43.0	2,778	50.7	303	5.5	37	5,772	1,741	31.3	2,710	48.6	1,069	19.2	47				
<b>Buffalo, N. Y.</b>	152,794	63,132	41.8	83,284	54.5	5,684	3.7	306	151,215	62,939	35.0	81,424	53.8	16,112	10.7	456				
Native white—Native parentage.	38,596	18,715	48.5	18,362	47.6	1,170	3.0	122	38,394	16,741	43.7	18,049	45.1	3,213	7.4	112				
Native white—Foreign or mixed par.	53,524	27,666	51.7	24,319	45.4	1,359	2.5	90	59,517	26,567	44.6	28,284	47.5	4,407	7.4	116				
Foreign-born white.	59,787	16,354	27.4	40,178	67.2	3,101	5.2	85	52,663	9,387	17.8	34,718	65.9	8,381	15.9	117				
Negro.	794	3,622	45.8	356	46.3	53	6.7	8	696	223	32.0	303	52.7	107	15.4	1				
<b>Chicago, Ill.</b>	824,658	342,206	41.6	442,081	53.6	27,386	3.3	3,949	760,355	281,715	37.1	423,839	56.7	76,813	10.1	5,890				
Native white—Native parentage.	150,055	64,272	42.8	71,903	47.5	5,067	4.3	1,251	141,917	52,223	37.1	71,771	50.6	14,742	10.4	1,893				
Native white—Foreign or mixed par.	246,428	143,653	58.3	95,514	39.2	4,300	1.7	1,056	288,117	132,350	46.1	119,336	41.5	13,810	5.2	1,814				
Foreign-born white.	406,297	126,504	31.1	209,460	64.1	16,983	4.2	1,361	332,267	62,930	18.9	222,646	67.0	40,504	12.4	1,757				
Negro.	19,472	7,631	39.4	10,076	52.0	1,232	6.4	279	17,962	3,800	21.2	9,978	55.6	3,746	20.9	355				
<b>Cincinnati, Ohio.</b>	134,873	58,365	43.8	80,868	52.5	6,427	4.8	904	143,721	51,293	35.7	70,435	49.0	20,416	14.2	1,409				
Native white—Native parentage.	48,881	24,751	50.6	22,006	45.0	1,596	3.3	342	50,667	22,015	43.4	23,375	46.1	4,554	10.0	647				
Native white—Foreign or mixed par.	49,692	21,887	44.0	25,704	51.8	1,690	3.3	341	58,625	22,997	39.2	28,685	49.4	4,415	10.9	1,184				
Foreign-born white.	28,030	6,440	23.0	18,809	67.1	2,621	9.4	140	26,402	4,225	16.0	14,607	55.3	7,555	30.2	140				
Negro.	8,246	3,268	39.6	4,284	52.0	550	6.7	81	8,002	2,054	25.7	4,305	53.8	1,482	18.5	126				
<b>Cleveland, Ohio.</b>	208,923	79,884	38.2	121,055	57.9	6,534	3.1	910	191,747	58,180	30.3	113,234	59.1	18,835	9.8	1,347				
Native white—Native parentage.	43,754	17,935	41.0	27,765	54.3	1,339	3.1	298	42,692	15,365	35.8	22,679	53.1	4,186	9.8	384				
Native white—Foreign or mixed par.	49,278	25,491	51.7	23,728	48.1	1,727	3.4	346	58,428	26,816	46.1	24,406	42.3	5,941	10.2	466				
Foreign-born white.	102,008	28,450	27.9	69,154	67.8	4,019	3.9	207	80,533	12,469	15.5	57,031	70.8	10,629	13.2	364				
Negro.	3,630	1,350	37.2	2,017	55.6	194	5.3	53	3,361	819	24.4	1,965	58.5	513	15.3	61				
<b>Detroit, Mich.</b>	177,039	70,667	39.9	98,741	55.8	8,836	3.3	992	162,354	62,074	32.1	92,488	57.0	19,596	9.9	1,598				
Native white—Native parentage.	39,411	17,075	43.3	20,231	51.3	1,252	3.2	334	36,438	12,989	35.6	19,338	53.1	3,473	9.5	557				
Native white—Foreign or mixed par.	55,671	28,264	52.7	24,007	47.1	1,047	2.0	255	58,288	26,538	45.5	28,020	48.1	3,191	5.5	477				
Foreign-born white.	81,410	24,822	30.5	44,704	54.9	3,536	4.3	440	65,544	14,544	22.3	34,688	52.9	6,941	10.7	365				
Negro.	2,465	938	38.1	1,343	54.5	130	5.3	27	2,261	545	24.1	1,296	56.9	388	17.2	34				
<b>Jersey City, N. J.</b>	96,081	40,102	41.7	51,147	53.2	4,338	4.6	113	89,843	29,830	33.2	49,634	55.2	10,112	11.3	129				
Native white—Native parentage.	22,232	10,500	47.2	10,599	47.7	872	3.9	48	21,437	8,905	41.5	10,474	48.9	1,970	9.2	36				
Native white—Foreign or mixed par.	30,877	16,559	53.6	13,223	42.8	1,023	3.3	30	32,826	15,061	46.0	15,326	46.7	2,711	7.0	56				
Foreign-born white.	40,486	12,073	29.8	27,322	67.5	2,443	6.0	35	38,670	5,155	13.3	28,511	73.8	5,941	15.3	113				
Negro.	2,335	861	36.9	1,353	57.9	111	4.8	7	2,296	500	22.7	1,344	60.9	352	16.0	23				
<b>Los Angeles, Cal.</b>	130,636	51,011	39.1	71,807	50.5	5,555	4.3	1,443	124,328	35,307	28.4	70,635	56.8	16,544	13.3	1,728				
Native white—Native parentage.	66,333	25,646	38.7	36,737	55.4	2,947	4.4	886	66,565	19,186	28.8	37,069	55.7	9,170	13.8	1,090				
Native white—Foreign or mixed par.	24,695	11,240	45.5	12,426	50.3	756	3.1	245	28,499	10,325	36.2	15,459	52.2	2,633	9.2	368				
Foreign-born white.	31,694	10,647	33.8	18,555	59.9	1,670	5.3	275	25,529	5,018	19.7	16,105	63.1	4,157	25.9	121				
Negro.	2,921	1,602	54.8	1,747	59.8	148	4.9	25	3,070	1,468	48.2	1,783	58.1	388	18.5	47				
<b>Milwaukee, Wis.</b>	135,870	55,892	41.1	74,449	54.8	4,394	3.2	724	131,112	46,516	35.5	71,129	54.3	12,127	9.2	1,225				
Native white—Native parentage.	20,939	11,646	55.6	8,426	40.2	447	2.1	137	21,830	11,541	52.9	8,768	40.2	2,179	9.9	224				
Native white—Foreign or mixed par.	54,786	28,643	52.3	24,928	45.5	910	1.7	257	62,759	28,837	45.9	30,266	48.2	3,408	4.9	509				
Foreign-born white.	59,662	15,351	25.7	40,874	68.5	3,065	5.0	321	46,091	5,994	13.0	31,896	69.2	7,724	16.8	879				
Negro.	1,429	681	47.7	1,148	68.1	14	3.1	14	1,331	44	3.3	114	8.6	6	0.5	3				
<b>Minneapolis, Minn.</b>	121,334	56,540	46.6	58,384	47.9	4,192	3.4	396	109,116	40,647	37.3	56,664	51.9	8,438	8.8	379				
Native white—Native parentage.	37,207	17,161	46.1	17,217	46.3	1,321	3.6	239	32,400	12,142	38.3	15,735	48.6	3,311	10.2	268				
Native white—Foreign or mixed par.	35,929	20,889	58.1	13,686	38.1	670	1.9	139	40,568	20,229	49.9	17,789	43.8	1,827	4.5	131				
Foreign-born white.	47,358	17,841	37.7	26,820	56.6	2,117	4.5	194	35,229	7,767	22.0	22,617	64.2	4,374	12.4	251				
Negro.	1,321	588	44.5	601	45.5	83	6.3	14	907	235	25.9	516	56.9	130	14.3	16				
<b>New Orleans, La.</b>	115,620	47,705	41.3	59,532	51.5	5,934	5.1	382	127,332	42,644	33.5	50,852	47.8	22,449	17.6	698				
Native white—Native parentage.	14,059	22,272	60.5	62,045	83.8	1,875	3.0	189	65,854	22,821	34.7	29,811	64.3	4,496	9.1	1,017				
Native white—Foreign or mixed par.	27,420	10,743	39.2	12,698	55.1	1,340	5.0	98	32,094	10,645	32.6	16,432	50.3	3,560	10.4	126				
Foreign-born white.	14,093	3,722	26.4	8,916	63.3	1,384	9.8	26	12,369	1,937	15.7	6,011	48.6	4,326	35.0	27				
Negro.	29,692	10,783	36.3	16,879	56.8	1,634	5.5	113	36,392	10,179	28.0	18,100	49.7	7,997	20.9	293				
<b>New York, N. Y.</b>	1,697,045	711,354	42.0	912,366	53.8	62,451	3.7	3,079	1,702,066	617,885	36.3	892,369	52.6	183,897	10.8	6,217				
Native white—Native parentage.	286,943	122,933	42.9	101,013	52.1	8,278	4.8	730	299,124	81,822	27.4	119,000	40.1	21,773	7.4	1,375				
Native white—Foreign or mixed par.	457,269	256,869	56.4	185,309	40.5	12,760	2.8	756	490,433	243,827	48.8	116,223	43.3	37,368	7.5	2,000				
Foreign-born white.	913,046	130,086	32.6	574,400	62.9	37,364	4.1	1,239	804,927	231,066	26.7	521,9								



## MARITAL CONDITION OF THE POPULATION 15 YEARS OF AGE AND OVER IN CITIES HAVING FROM 25,000 TO 250,000 INHABITANTS: 1910.

Table 36

MALES 15 YEARS OF AGE AND OVER.

FEMALES 15 YEARS OF AGE AND OVER.

CITY.	Males 15 Years of Age and Over.														Females 15 Years of Age and Over.													
	Total. <sup>1</sup>		Single.		Married.		Widowed.		Divorced.	Total. <sup>1</sup>		Single.		Married.		Widowed.		Divorced.										
			Number.	Per cent.	Number.	Per cent.	Number.	Per cent.				Number.	Per cent.	Number.	Per cent.	Number.	Per cent.											
<b>Alabama</b>																												
Birmingham.....	47,989	17,821	37.1	27,140	56.6	2,728	5.7	188	46,170	10,946	23.7	27,267	59.1	7,503	16.3	388												
Mobile.....	17,618	6,882	39.1	9,469	53.7	1,163	6.3	99	20,199	6,222	30.9	9,715	48.2	3,924	19.5	224												
Montgomery.....	12,857	4,843	37.7	7,160	55.7	780	6.1	31	15,177	4,349	28.7	7,667	50.5	3,012	19.8	110												
<b>Arkansas</b>																												
Little Rock.....	17,361	6,705	38.6	9,486	54.6	982	5.7	165	17,179	4,474	26.0	9,575	55.7	2,815	16.4	304												
<b>California</b>																												
Berkeley.....	14,941	6,059	40.6	8,253	55.2	501	3.4	84	16,318	5,535	33.9	7,959	48.8	2,246	13.8	563												
Oakland.....	61,380	24,891	40.6	32,761	53.4	2,508	4.2	676	125,423	15,423	28.0	31,310	56.9	7,464	13.6	822												
Pasadena.....	10,659	3,586	33.6	6,357	59.9	599	5.6	55	13,484	4,598	34.1	6,642	49.3	2,101	15.6	121												
Sacramento.....	21,043	10,086	48.0	9,654	45.9	882	4.2	305	15,207	4,293	28.2	8,612	56.6	2,013	13.2	287												
San Diego.....	16,760	6,716	40.2	8,512	51.0	985	5.9	224	14,901	4,200	28.2	8,317	55.8	2,158	14.5	202												
San Jose.....	11,180	4,328	38.7	6,122	54.8	579	5.2	105	11,331	3,491	30.8	5,965	52.6	1,795	15.0	157												
<b>Colorado</b>																												
Colorado Springs.....	10,670	3,719	34.9	6,249	58.6	531	5.0	124	11,649	3,722	32.0	6,201	53.2	1,559	13.4	148												
Denver.....	82,690	32,045	38.8	45,541	55.1	3,482	4.2	952	81,808	29,617	36.0	45,732	56.2	10,293	12.7	1,537												
Pueblo.....	19,010	8,569	45.1	9,249	48.7	874	4.6	177	13,814	3,553	25.7	8,550	61.9	1,471	10.6	179												
<b>Connecticut</b>																												
Bridgeport.....	38,690	15,686	40.5	21,280	55.0	1,552	4.0	97	35,508	11,448	32.2	20,178	56.7	3,782	10.6	149												
Hartford.....	36,167	14,635	40.5	19,898	55.0	1,488	4.1	81	36,648	13,055	35.6	19,196	52.4	4,215	11.5	146												
Meriden town.....	11,475	4,504	39.3	6,309	55.0	611	5.3	34	11,597	4,089	35.3	6,261	54.0	1,185	10.2	43												
<i>Meriden city</i> .....	9,714	3,835	39.4	5,365	55.2	491	5.0	50	9,939	3,502	35.3	5,326	53.6	1,076	10.6	59												
New Britain.....	16,313	7,022	43.1	8,244	50.5	1,047	6.4	28	16,683	7,426	44.5	8,068	57.2	1,188	8.1	47												
New Haven.....	47,064	18,233	39.5	26,417	56.1	2,178	4.6	134	47,998	16,649	34.7	25,510	53.1	5,566	11.6	188												
Norwich town.....	9,785	3,770	38.5	5,429	55.5	556	5.7	20	10,888	4,148	38.1	5,359	49.2	1,329	12.2	40												
Stamford town.....	10,446	4,091	39.2	5,824	55.8	401	4.4	24	10,335	3,536	34.2	5,618	54.4	1,119	10.8	46												
<i>Stamford city</i> .....	8,428	3,480	41.3	4,767	56.7	456	5.0	27	8,963	3,428	38.2	4,880	54.6	1,641	17.7	92												
Waterbury.....	26,857	11,613	43.2	14,174	52.8	987	3.7	48	24,225	8,670	35.8	13,272	54.8	2,198	9.1	59												
<b>Delaware</b>																												
Wilmington.....	32,425	12,755	39.3	17,806	54.9	1,590	4.9	74	31,664	10,232	32.3	17,368	54.9	3,806	12.1	113												
<b>Florida</b>																												
Jacksonville.....	22,501	8,464	37.6	12,277	54.6	1,109	4.9	148	21,519	5,345	24.8	12,683	58.9	3,128	14.5	226												
Tampa.....	13,824	5,713	41.3	7,408	53.6	564	4.1	87	12,409	2,903	23.4	7,509	60.5	1,788	14.4	158												
<b>Georgia</b>																												
Atlanta.....	53,119	20,065	37.8	30,467	57.4	2,376	4.5	163	59,145	16,777	28.4	31,816	53.8	10,205	17.3	311												
Augusta.....	14,139	5,388	38.1	7,844	55.5	785	5.6	43	16,533	4,908	29.7	8,295	49.6	2,221	10.5	129												
Macon.....	13,949	5,066	36.3	7,908	56.7	845	6.1	40	15,330	4,127	26.9	8,152	53.2	3,000	18.9	112												
Savannah.....	22,817	8,477	37.2	12,959	56.8	1,214	5.3	89	25,671	7,009	28.0	13,508	53.9	4,299	17.1	201												
<b>Illinois</b>																												
Aurora.....	11,405	4,577	40.1	6,239	54.7	432	3.8	41	10,912	3,435	31.5	6,152	56.4	1,245	11.4	62												
Bloomington.....	9,347	3,326	35.6	5,491	58.7	452	4.8	51	10,372	3,437	33.1	5,516	53.2	1,319	12.7	83												
Danville.....	9,960	3,222	32.3	6,190	62.1	445	4.4	109	10,445	2,768	26.5	6,333	60.6	1,175	11.2	110												
Decatur.....	11,425	4,031	35.3	6,748	59.1	511	4.5	100	11,683	3,426	29.3	6,793	58.1	1,569	11.7	95												
East St. Louis.....	24,398	9,950	40.8	13,201	54.4	950	3.9	176	18,286	4,548	24.9	11,792	64.5	1,798	9.8	142												
Elgin.....	9,263	3,353	36.2	5,378	58.1	375	4.0	75	10,738	3,778	35.2	5,540	51.6	1,212	11.3	130												
Joliet.....	13,459	5,117	42.5	7,113	52.8	414	3.1	70	11,394	3,757	33.2	6,319	55.9	1,106	9.8	63												
Peoria.....	26,573	11,110	41.8	13,581	51.1	1,314	4.9	80	24,791	8,185	33.0	13,901	53.7	2,800	11.4	246												
Quincy.....	13,496	5,329	39.5	7,330	54.2	704	5.2	89	14,422	5,069	35.4	7,431	51.5	1,720	11.9	127												
Rockford.....	17,642	7,386	41.9	9,493	53.8	644	3.7	97	16,467	5,462	33.2	9,192	55.8	1,672	10.2	120												
Springfield.....	18,652	6,988	37.5	10,536	56.5	851	4.6	161	19,351	6,271	32.4	10,580	54.7	2,230	11.5	191												
<b>Indiana</b>																												
Evansville.....	26,510	9,708	38.2	14,199	55.6	1,357	5.3	186	26,293	8,382	31.9	14,327	54.5	3,321	12.6	294												
Fort Wayne.....	23,412	9,142	39.2	13,016	55.8	909	3.9	209	24,217	8,530	35.3	12,923	53.3	2,454	10.1	236												
Indianapolis.....	88,890	31,184	35.1	52,299	58.8	4,283	4.8	873	90,417	25,362	28.1	51,801	57.3	11,904	13.2	1,260												
South Bend.....	19,746	7,062	35.8	11,735	59.4	651	3.3	158	18,104	4,992	27.6	11,066	60.8	1,787	9.9	208												
Terre Haute.....	21,765	8,112	37.3	12,294	56.5	1,012	4.6	259	21,417	6,172	28.8	12,291	57.4	2,927	11.8	337												
<b>Iowa</b>																												
Cedar Rapids.....	12,258	4,491	36.6	7,194	58.7	463	3.8	93	12,381	3,963	32.0	7,085	57.2	1,191	9.6	125												
Clinton.....	9,827	4,178	42.5	5,111	52.0	425	4.3	79	9,285	3,139	33.8	4,996	53.7	1,038	11.2	113												
Council Bluffs.....	11,146	4,523	40.6	5,944	53.8	517	4.6	76	10,174	3,051	30.0	5,946	58.4	1,077	10.6	94												
Davenport.....	16,004	6,358	39.7	8,718	54.5	728	4.7	169	16,227	5,430	33.5	8,743	53.9	1,863	11.5	147												
Des Moines.....	32,068	11,364	35.4	18,689	58.8	1,238	3.9	384	32,215	9,068	30.0	18,697	58.0	3,169	9.9	556												
Dubuque.....	14,111	6,316	44.8	7,807	49.7	715	5.1	65	14,639	5,995	41.0	6,992	47.8	1,586	10.7	81												
Sioux City.....	19,837	9,117	46.0	9,603	48.8	745	3.8	141	16,215	5,477	33.8	9,607	55.7	1,458	9.0	114												
Waterloo.....	10,491	4,131	39.4	5,808	55.4	407	3.9	89	9,459	2,588	30.0	6,536	59.8	1,819	8.7	143												
<b>Kansas</b>																												
Kansas City.....	31,428	11,128	35.4	18,299	58.2	1,383	4.4	245	27,879	6,835	24.5	17,672	63.4	3,059	11.0	244												
Topeka.....	16,468	5,743	34.9	9,651	58.6	866	5.1	157	16,761	5,498	32.8	9,691	57.3	2,012	12.0	220												
Wichita.....	20,758	7,561	36.4	11,920	57.4	884	4.3	280	19,049	5,195	27.3	11,612	61.0	1,578	9.9	305												
<b>Kentucky</b>																												
Covington.....	18,788	7,485	39.9	10,230	54.6	878	4.7	121	20,496	7,203	35.1	10,302	50.3	2,796	13.6	174												
Lexington.....	12,887	5,305	41.2	6,810	52.8	662	5.1	79	14,441	4,822	33.4	7,072	49.0	2,352	16.3	147												
Louisville.....	80,595	32,947	40.9	42,397	52.6	4,318	5.4	799	87,067	29,565	34.0	42,882	49.3	13,189	15.1	1,314												
Newport.....	10,608	4,174	39.3	5,870	55.3	481	4.5	70	11,731	4,063	34.9	5,904	50.3	1,635	13.9	90												
<b>Louisiana</b>																												
Shreveport.....	10,012	4,132	41.3	5,328	53.2	498	5.0	37	10,492	2,892	27.6	5,256	50.1	2,218	21.1	114												
<b>Maine</b>																												
Lewiston.....	8,806	3,527	40.1	4,779	54.3	458	5.0	44	9,964	3,943	39.6	4,792	48.1	1,117	11.2	81												
Portland.....	21,300	8,172	38.4	11,867	55.7	1,078	5.1	140	23,750	8,535	35.9	11,916	50.2	3,037	13.0	188												

<sup>1</sup> Total includes persons whose marital condition was not reported.

MARITAL CONDITION OF THE POPULATION 15 YEARS OF AGE AND OVER IN CITIES HAVING FROM 25,000 TO 250,000 INHABITANTS: 1910—Continued.

Table 36—Continued.

MALES 15 YEARS OF AGE AND OVER.

FEMALES 15 YEARS OF AGE AND OVER.

CITY.	Total. <sup>1</sup>	Single.		Married.		Widowed.		Di- vorced.	Total. <sup>1</sup>	Single.		Married.		Widowed.		Di- vorced.
		Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.			Num- ber.	Per cent.	Num- ber.	Per cent.			
<b>Massachusetts</b>																
Brockton.....	20,983	8,017	38.2	12,027	57.3	809	3.9	109	21,340	6,927	32.5	12,084	56.6	2,150	10.1	172
Brookline town.....	8,377	3,233	38.6	4,796	57.3	321	3.8	16	14,053	7,577	53.9	5,069	36.1	1,328	9.4	62
Cambridge.....	35,461	14,775	41.7	18,973	53.5	1,617	4.6	85	40,213	16,005	39.8	19,218	47.8	4,832	12.0	137
Chelsea.....	11,832	4,623	39.0	6,433	54.4	639	5.6	38	10,938	3,684	33.7	6,032	55.1	1,169	10.7	49
Chicago.....	2,386	859	36.0	1,305	54.8	186	7.8	9	10,062	5,720	57.0	4,609	45.2	2,082	20.8	87
Everett.....	11,350	3,991	35.2	6,886	60.7	435	3.8	20	12,404	3,988	32.2	7,008	56.5	1,348	10.9	48
Fall River.....	38,439	14,337	37.3	21,810	56.7	1,901	4.9	79	42,572	16,269	38.2	21,339	51.3	4,320	10.1	126
Fitchburg.....	13,247	5,438	40.4	7,316	55.2	527	4.0	30	13,512	5,010	37.1	7,152	52.9	1,312	9.7	38
Haverhill.....	9,366	3,566	38.2	5,014	53.7	826	8.8	94	16,950	5,720	33.7	8,953	52.8	1,050	12.4	46
Holyoke.....	19,065	7,981	41.9	10,191	53.5	834	4.4	38	21,175	8,956	42.3	10,127	47.8	2,029	9.6	47
Lawrence.....	30,336	12,681	41.1	16,769	55.4	1,312	4.3	63	30,757	11,500	37.4	16,186	52.6	3,006	10.0	62
Lowell.....	37,324	15,823	42.4	19,565	52.4	1,789	4.8	88	40,506	16,610	41.0	19,395	47.9	4,334	10.7	133
Lynn.....	33,867	13,440	39.7	18,591	54.9	1,519	4.5	202	33,918	11,339	33.5	18,193	53.6	4,012	11.8	287
Malden.....	14,505	5,171	35.6	8,682	59.9	602	4.2	43	17,096	6,208	36.3	8,798	51.5	1,996	11.7	80
New Bedford.....	33,840	12,663	37.4	19,686	58.2	1,366	4.0	90	34,952	11,934	34.1	19,171	54.8	3,683	10.5	145
Newton.....	12,731	4,835	38.0	7,417	58.3	451	3.5	20	16,966	7,834	46.1	7,329	43.2	1,735	10.3	48
Pittsfield.....	11,931	4,948	41.4	6,662	54.1	497	4.2	41	11,924	4,478	37.6	6,153	51.6	1,246	10.4	43
Quincy.....	11,627	4,672	40.2	6,508	56.0	411	3.5	31	11,267	3,795	33.7	6,325	56.1	1,103	9.8	35
Salem.....	14,988	6,202	41.4	7,991	53.3	703	4.7	56	16,070	6,295	39.2	7,848	47.8	1,840	11.4	76
Somerville.....	26,098	9,008	34.5	16,134	61.1	1,166	4.4	56	20,518	10,366	34.0	16,264	53.3	3,753	12.3	116
Springfield.....	31,944	12,267	38.4	18,105	56.7	1,359	4.3	203	34,555	12,599	36.2	17,947	51.9	3,906	11.3	172
Taunton.....	12,004	4,750	39.6	6,637	55.3	578	4.8	32	12,818	4,932	37.7	6,453	50.3	1,508	11.8	63
Waltham.....	9,415	3,820	40.6	5,160	54.8	404	4.3	27	11,632	5,217	44.9	5,123	44.0	1,240	10.7	51
Worcester.....	53,572	22,642	42.3	28,399	53.0	2,323	4.3	168	52,946	19,937	37.7	27,771	51.5	5,476	10.3	226
<b>Michigan</b>																
Battle Creek.....	9,668	2,900	30.0	6,201	64.1	405	4.2	123	10,066	2,561	25.4	6,136	61.0	1,186	11.8	164
Bay City.....	15,343	5,725	37.3	8,816	57.5	716	4.7	69	15,576	5,148	32.6	8,867	56.2	1,648	10.4	100
Flint.....	17,727	7,932	44.7	8,950	50.5	650	3.7	178	12,524	3,010	24.0	8,209	65.5	1,154	9.2	151
Grand Rapids.....	40,379	14,118	35.0	24,125	59.7	1,562	3.9	260	41,725	12,916	31.0	24,013	57.6	4,199	10.1	407
Jackson.....	12,312	4,126	33.5	7,310	59.4	583	4.7	241	11,956	3,216	26.9	6,978	58.4	1,527	12.8	205
Kalamazoo.....	14,641	5,120	35.0	8,334	58.3	644	4.4	160	15,678	4,940	31.5	8,681	55.4	1,710	10.9	245
Lansing.....	13,072	5,122	39.2	7,312	55.9	875	6.6	118	11,060	2,682	24.3	7,061	63.8	1,149	10.4	150
Saginaw.....	18,196	6,523	35.8	10,640	58.5	785	4.3	131	19,127	6,164	32.2	10,642	55.6	2,064	10.8	172
<b>Minnesota</b>																
Duluth.....	34,518	18,068	52.3	14,887	43.1	898	2.6	105	23,381	8,071	34.5	13,242	56.6	1,567	6.7	156
St. Paul.....	84,805	42,324	49.9	38,783	45.7	3,096	3.7	436	76,429	31,566	41.3	37,713	49.3	6,983	8.6	432
<b>Missouri</b>																
Joplin.....	11,651	3,833	32.9	7,045	60.5	619	5.3	120	11,090	2,571	23.2	6,998	63.1	1,342	12.1	170
Kansas City.....	100,038	37,290	37.6	54,691	54.7	4,582	4.6	1,104	95,607	27,195	28.4	54,337	56.9	11,825	12.4	1,309
St. Joseph.....	30,429	12,393	40.4	16,100	52.9	1,492	4.9	271	28,267	8,569	30.3	15,934	56.4	3,328	11.8	358
Springfield.....	12,620	4,272	33.9	7,599	60.2	581	4.6	80	12,874	3,625	28.2	7,620	59.2	1,435	11.1	146
<b>Montana</b>																
Butte.....	17,679	9,245	52.3	7,724	43.7	489	2.8	136	12,145	3,615	29.8	7,117	58.6	1,267	10.4	139
<b>Nebraska</b>																
Lincoln.....	16,339	6,127	37.5	9,364	57.3	613	3.8	99	16,587	5,292	31.9	9,442	56.9	1,706	10.3	124
Omaha.....	50,145	22,417	44.7	24,816	49.5	2,240	4.5	562	44,637	15,200	34.0	24,213	54.2	4,555	10.2	624
South Omaha.....	10,341	4,782	46.2	5,147	49.8	319	3.1	49	7,519	2,119	28.2	4,759	63.3	574	7.6	51
<b>New Hampshire</b>																
Manchester.....	24,648	10,272	41.7	13,186	53.5	1,043	4.2	112	25,904	10,369	39.4	12,706	49.0	2,771	10.7	161
Nashua.....	9,481	3,838	40.5	5,140	54.2	432	4.6	59	9,464	3,310	35.6	4,985	52.7	1,061	11.2	47
<b>New Jersey</b>																
Atlantic City.....	17,735	6,744	38.0	9,955	56.1	840	4.7	48	17,986	5,446	30.3	10,005	55.6	2,389	13.3	78
Bayonne.....	13,035	5,024	38.5	7,922	55.8	618	3.2	12	16,343	4,800	29.4	10,116	61.9	1,437	8.6	5
Camden.....	33,944	11,014	32.2	20,639	60.8	1,930	5.7	76	33,973	9,218	27.4	20,740	60.8	3,807	11.4	120
East Orange.....	11,322	3,799	33.6	7,066	62.6	415	3.7	13	15,126	6,046	40.0	7,310	48.3	1,730	11.4	27
Elizabeth.....	26,657	10,850	40.7	14,830	55.6	918	3.4	29	24,292	7,728	31.8	14,110	58.1	2,387	9.8	33
Hoboken.....	20,443	11,325	42.8	13,914	52.6	1,109	4.2	38	23,326	7,462	32.0	15,503	57.0	2,492	10.7	38
Orange.....	10,070	3,973	39.5	5,631	55.9	404	4.0	14	10,730	4,030	37.6	6,533	51.6	1,107	10.3	20
Passaic.....	17,994	6,412	35.6	10,688	59.4	465	2.6	10	19,720	7,654	38.8	10,298	52.2	1,412	7.2	35
Paterson.....	44,128	17,040	38.6	24,729	56.0	2,020	4.6	84	44,967	15,509	34.5	24,420	54.3	4,760	10.6	103
Port Amboy.....	11,804	4,486	38.0	7,041	59.4	277	2.3	16	9,204	2,619	27.4	6,051	65.7	1,132	12.4	19
Trenton.....	14,571	5,391	36.9	20,612	56.1	1,503	4.1	96	33,191	10,338	31.1	19,189	58.4	3,547	10.7	104
West Hoboken town.....	12,214	4,340	35.5	7,422	60.8	434	3.6	9	12,282	3,744	30.5	7,294	59.4	1,219	9.9	19
<b>New York</b>																
Albany.....	36,933	15,546	42.1	19,087	51.7	2,072	5.6	79	40,813	15,928	39.0	19,195	47.0	5,469	13.4	132
Amsterdam.....	11,232	4,443	39.5	6,369	56.6	419	3.7	19	12,122	4,575	37.7	6,224	51.3	1,293	10.7	26
Ann Arbor.....	13,739	5,436	39.6	7,576	55.1	681	5.0	42	13,276	4,423	33.3	6,999	52.7	1,099	13.6	43
Binghamton.....	9,416	3,616	38.5	10,431	58.3	882	5.0	81	10,308	3,830	33.8	11,600	60.9	2,722	13.5	114
Elmira.....	14,257	6,081	41.8	7,628	52.5	783	5.4	38	14,712	5,102	34.7	7,964	51.4	1,961	13.3	79
Jamestown.....	11,767	4,350	37.0	6,866	58.5	423	3.6	39	11,850	3,649	30.8	7,311	56.8	1,349	11.4	63
Kingston.....	9,021	3,511	38.9	5,058	56.1	420	4.7	26	10,333	3,853	37.3	6,076	58.4	1,181	13.1	19
Mount Vernon.....	10,411	2,722	33.8	6,302	60.5	369	3.5	6	11,769	4,234	36.0	6,138	52.2	1,369	11.6	12
New Rochelle.....	10,538	4,536	43.0	5,651	53.6	312	3.0	27	10,010	3,485	34.8	5,438	54.3	1,057	10.6	22
Newburgh.....	9,999	3,876	38.8	5,461	54.6	533	5.3	19	11,011	4,020	36.5	5,476	49.7	1,087	12.6	26
Niagara Falls.....	11,907	4,774	40.1	6,748	56.5	458	3.8	12	12,316	4,085	33.2	7,016	56.9	1,215	10.4	44
Poughkeepsie.....	10,022	3,744	37.2	5,408	53.7	556	5.6	114	11,357	3,998	35.2	5,732	50.5	1,567	13.8	32
Rochester.....	81,719	33,314	40.8	44,537	54.5	3,057	4.2	247	83,401	30,252	36.2	43,427	52.0	9,332	11.2	320
Saratoga.....	11,718	11,815	41.1	15,835	55.1	3,466	3.3	70	20,127	6,570	32.7	15,180	62.9	2,611	13.1	52
Syracuse.....	51,923	20,823	39.9	29,638	57.1	2,394	4.6	148	14,195	4,924	34.7	10,036	67.0	6,063	11.7	241
Troy.....	26,432	11,299	42.7	13,509	51.1	1,549	5.9	41	32,580	14,110	43.3	13,709	42.1	4,638	14.2	84
Utica.....	26,631	10,586	39.8	14,042	55.0	1,293	4.8	74	28,625	10,586	37.0	10,360	50.2	3,516	12.3	133
Yonkers.....	11,804	4,486	38.0	7,041	59.4	277	2.3	16	9,204	2,619	27.4	6,051	65.7	1,132		

MARITAL CONDITION OF THE POPULATION 15 YEARS OF AGE AND OVER IN CITIES HAVING FROM 25,000 TO 250,000 INHABITANTS: 1910—Continued.

Table 36—Continued.

Table 36—Continued.		MALES 15 YEARS OF AGE AND OVER.										FEMALES 15 YEARS OF AGE AND OVER.									
CITY.	Total. <sup>1</sup>	Single.		Married.		Widowed.		Divorced.	Total. <sup>1</sup>	Single.		Married.		Widowed.		Divorced.					
		Number.	Per cent.	Number.	Per cent.	Number.	Per cent.			Number.	Per cent.	Number.	Per cent.	Number.	Per cent.						
<b>Ohio</b>																					
Akron.....	28,021	10,756	38.4	16,050	57.3	993	3.5	178	23,895	6,673	27.9	14,634	61.2	2,340	9.8	230					
Canton.....	19,969	7,796	39.2	11,270	56.6	679	3.4	108	17,693	5,273	29.8	10,537	59.6	1,734	9.8	129					
Columbus.....	70,787	27,888	39.4	39,240	55.4	2,914	4.1	646	69,453	21,889	31.5	38,265	55.1	8,351	12.0	824					
Dayton.....	44,525	15,848	35.6	26,340	59.2	1,920	4.3	364	43,402	12,639	29.1	25,345	58.1	5,139	11.8	421					
Hamilton.....	12,993	5,070	39.0	7,223	55.6	594	4.6	86	12,533	3,837	30.6	7,091	56.6	1,475	11.8	119					
Lima.....	11,065	3,888	35.1	6,612	59.8	458	4.1	61	11,202	3,272	29.2	6,645	59.3	1,146	10.2	118					
Lorain.....	11,709	4,377	37.4	7,050	60.2	246	2.1	30	7,978	1,698	21.3	5,731	72.1	492	6.2	37					
Newark.....	9,816	3,514	35.8	5,813	59.2	418	4.3	61	9,340	2,603	27.9	5,460	58.5	1,162	12.4	109					
Springfield.....	19,029	6,302	36.1	10,242	56.8	908	5.0	93	17,401	5,040	29.0	10,160	58.4	1,981	11.4	120					
Toledo.....	62,129	22,568	36.3	36,345	58.5	2,764	4.4	394	61,463	18,936	30.8	35,569	57.9	6,425	10.5	482					
Youngstown.....	42,452	13,334	31.4	28,063	55.3	948	2.9	95	24,443	7,073	28.9	15,067	61.4	2,175	8.9	123					
Zanesville.....	10,197	3,621	35.5	6,048	59.3	435	4.3	61	11,060	3,480	31.5	6,094	55.1	1,334	12.1	121					
<b>Oklahoma</b>																					
Muskogee.....	10,136	4,041	39.9	5,412	53.4	526	5.2	66	8,577	2,122	24.7	5,435	63.4	878	10.2	101					
Oklahoma City.....	28,304	12,368	43.7	14,426	51.0	1,129	4.0	265	20,874	5,133	24.6	13,486	64.6	1,921	9.2	252					
<b>Oregon</b>																					
Portland.....	99,231	51,380	51.8	42,271	42.6	3,797	3.8	1,293	68,974	21,868	31.7	38,987	56.5	6,940	10.1	1,090					
<b>Pennsylvania</b>																					
Allentown.....	17,991	5,765	32.0	11,295	62.8	842	4.7	67	19,688	6,232	31.7	11,303	57.4	2,044	10.4	93					
Altoona.....	18,639	6,846	36.7	10,993	59.0	715	3.8	48	18,255	5,704	31.2	10,674	58.5	1,773	9.7	60					
Chester.....	14,674	5,826	39.7	8,028	54.7	640	4.4	47	13,540	4,465	33.0	7,483	55.3	1,430	10.6	47					
Easton.....	20,291	3,638	35.4	6,653	58.8	549	5.3	49	11,209	3,635	32.4	6,115	54.6	1,397	12.5	59					
Erie.....	23,761	8,780	37.0	13,541	57.1	1,110	4.7	96	23,169	7,317	31.6	13,094	56.5	2,540	11.0	148					
Harrisburg.....	129,421	49,044	38.3	14,135	60.4	1,112	4.7	123	25,157	7,872	31.3	14,117	56.1	2,990	11.9	173					
Hazleton.....	8,238	3,290	39.9	4,678	56.8	247	3.0	15	8,196	2,920	35.6	4,598	56.1	658	8.0	17					
Johnstown.....	22,613	9,246	40.9	12,096	56.1	594	2.6	52	16,292	5,043	31.0	9,831	60.3	1,351	8.3	54					
Lancaster.....	16,099	5,749	35.9	9,295	58.1	801	5.0	96	19,032	7,034	36.9	9,943	49.2	2,496	13.1	145					
McKeesport.....	11,075	4,278	40.7	8,529	55.3	553	3.6	35	13,162	3,983	30.3	7,943	60.3	1,169	8.9	52					
New Castle.....	13,815	5,169	37.3	8,186	59.0	415	3.0	53	11,923	3,236	27.1	7,439	62.4	1,131	9.5	88					
Norristown borough.....	10,028	4,143	41.3	5,342	53.3	451	4.5	30	10,315	4,470	39.5	5,409	47.8	1,348	11.9	53					
Reading.....	12,124	3,520	35.2	20,402	59.3	1,684	4.9	179	35,551	11,068	31.1	20,357	57.3	3,882	10.9	255					
Scranton.....	44,878	18,471	41.2	24,470	54.5	1,570	3.5	71	43,380	15,338	35.4	23,649	54.5	4,017	9.3	108					
Shenandoah borough.....	9,716	4,879	50.2	4,651	47.9	156	1.6	6	6,481	1,745	26.9	4,274	65.9	449	6.9	3					
Wilkes-Barre.....	22,984	9,526	41.4	12,501	54.4	853	3.7	41	22,893	8,482	37.1	12,099	52.9	2,208	9.6	75					
Williamsport.....	10,920	3,712	34.0	6,606	60.5	571	5.2	27	12,834	4,528	35.3	6,651	51.8	1,576	12.3	77					
York.....	15,870	5,482	34.5	9,501	59.9	784	4.9	95	16,717	5,276	31.6	9,488	56.8	1,806	10.8	142					
<b>Rhode Island</b>																					
Newport.....	11,650	6,374	54.7	4,774	41.0	445	3.8	33	9,221	3,395	36.8	4,637	50.1	1,155	12.5	42					
Pawtucket.....	18,071	7,289	40.3	9,779	54.1	920	5.1	52	19,153	7,213	37.9	9,270	50.5	1,980	10.4	110					
Providence.....	80,993	32,644	40.3	43,557	53.9	3,994	4.9	567	84,507	31,607	37.4	42,253	50.0	9,605	11.4	947					
Warwick town.....	9,258	3,443	37.2	5,279	57.0	454	5.2	41	9,289	3,098	33.4	5,212	56.1	905	9.7	62					
Woonsocket.....	12,799	5,248	41.0	6,986	54.6	517	4.0	35	13,260	5,276	39.8	6,801	51.3	1,128	8.5	26					
<b>South Carolina</b>																					
Charleston.....	19,258	7,593	39.4	10,307	53.5	1,119	5.8	30	23,153	7,602	32.8	10,745	46.4	4,582	19.8	69					
Columbia.....	9,040	3,635	40.1	4,968	54.8	381	4.2	9	10,089	3,263	32.3	5,024	49.8	1,731	17.2	11					
<b>Tennessee</b>																					
Chattanooga.....	16,867	6,528	38.7	9,110	54.0	1,036	6.1	121	16,646	4,433	26.6	9,276	55.7	2,694	16.2	205					
Knoxville.....	12,963	5,205	40.2	7,082	54.6	550	4.2	54	13,945	4,611	33.1	7,238	51.9	1,923	13.8	121					
Memphis.....	51,360	20,833	40.6	26,498	51.4	2,928	5.7	626	49,484	13,094	26.5	26,836	54.2	8,346	16.9	1,041					
Nashville.....	37,325	13,965	37.4	20,933	56.1	2,194	5.9	208	43,240	13,013	30.3	21,473	49.7	4,181	18.8	499					
<b>Texas</b>																					
Austin.....	10,339	4,060	39.3	5,364	51.9	661	6.4	91	11,347	3,827	33.7	5,335	48.8	1,668	14.7	185					
Dallas.....	34,924	14,013	40.1	18,558	53.4	1,820	5.2	359	33,811	9,098	26.9	18,846	55.7	5,219	15.4	609					
El Paso.....	13,708	5,256	38.3	7,591	55.4	547	4.0	63	13,426	3,476	25.9	7,850	58.5	1,943	14.5	126					
Fort Worth.....	28,182	11,446	39.2	15,659	53.7	1,309	4.5	289	24,392	5,530	22.7	15,225	62.4	3,078	12.6	403					
Galveston.....	14,021	6,478	46.2	7,144	48.9	804	5.5	179	12,929	3,757	29.4	6,929	54.0	1,857	14.5	295					
Houston.....	30,169	11,912	39.5	16,194	53.7	1,650	5.5	258	28,683	7,607	26.5	16,213	56.5	4,295	15.0	508					
San Antonio.....	33,374	12,796	38.3	18,429	55.2	1,626	4.9	321	34,582	10,071	29.1	18,841	54.5	4,983	14.4	567					
Waco.....	8,946	3,292	36.8	5,070	56.7	349	3.9	44	9,584	2,783	29.0	5,237	54.6	1,302	13.6	131					
<b>Utah</b>																					
Ogden.....	9,210	3,384	36.7	4,946	53.7	233	2.5	39	8,169	2,348	28.7	4,488	59.3	779	9.5	56					
Salt Lake City.....	33,787	13,595	40.2	18,299	54.2	987	2.9	309	31,963	9,174	28.9	18,190	57.6	3,299	10.5	421					
<b>Virginia</b>																					
Lynchburg.....	9,953	4,066	42.4	5,111	53.3	383	4.0	30	11,479	4,361	38.0	5,257	45.8	1,768	15.4	92					
Norfolk.....	24,295	10,010	41.6	12,576	53.0	1,208	5.0	79	25,724	4,188	31.8	13,445	52.3	3,900	15.2	172					
Portsmouth.....	12,935	6,426	49.7	5,915	45.7	545	4.2	21	11,055	3,259	29.5	5,979	54.1	1,732	16.1	28					
Richmond.....	44,400	18,838	42.4	23,138	52.1	2,173	4.9	142	49,008	18,075	36.9	23,290	46.8	8,122	16.3	231					
Roanoke.....	12,238	5,047	41.2	6,672	54.5	471	3.8	35	12,066	3,975	32.9	6,639	55.0	1,375	11.4	67					
<b>Washington</b>																					
Seattle.....	113,337	57,599	51.1	48,132	42.5	3,544	3.1	1,192	77,200	22,740	29.5	45,343	58.7	7,348	9.5	1,364					
Spokane.....	45,378	20,457	45.1	22,981	50.6	1,254	2.8	395	34,854	10,008	28.7	21,557	61.8	2,768	7.9	410					
Tacoma.....	37,384	17,331	46.6	17,215	45.5	1,269	3.4	316	26,360	7,565	28.4	15,985	60.6	2,801	8.7	350					
<b>West Virginia</b>																					
Huntington.....	11,264	4,453	39.5	6,343	56.3	361	3.2	50	10,527	3,324	30.4	6,267	59.2	954	9.1	96					
Wheeling.....	15,078	5,361	39.5	8,326	55.2	631	4.2	50	15,618	5,291	34.0	8,372	53.5	1,816	11.6	83					
<b>Wisconsin</b>																					
Green Bay.....	8,236	3,650	37.0	4,906	58.4	332	4.0	36	8,842	3,199	36.2	4,482	54.8	723	8.2	64					
La Crosse.....	10,583	4,432	41.9	5,067	53.0	439	4.3	70	10,629	4,654	40.0	5,588	54.1	1,238	10.6	126					
Madison.....	9,241	3,837	41.5	5,015	51.3	334	3.6	39	10,097	3,954	39.2	4,968	49.2	1,078	10.7	77					
Oshkosh.....	11,881	4,303	37.8	6,465	56.8	512	4.5	88	12,112	4,232	34.9	6,452	53.3	1,296	10.7	119					
Port Washington.....	8,749	3,628	41.5	5,117	57.1	497	5.7	47	9,230	3,517	38.1	5,239	56.7	1,276	10.7	49					
Sheboygan.....	9,557	3,724	39.0	5,354	56.0	336	3.5	39	8,782	2,837	32.3	5,107	58.2	703	8.0	49					
Superior.....	17,356	9,987	57.5	6,730	38.8	463	2.7	63	10,998	3,308	34.6	6,384	58.0	718	6.5	81					



## CHAPTER 4.

### STATE OF BIRTH OF NATIVE POPULATION.

**Introduction.**—This chapter summarizes the data obtained in answer to the inquiry on the population schedule as to the state or territory of birth of persons born in the United States. This inquiry has been included at each census beginning with that of 1850. The returns are valuable mainly for the light they throw upon the migration of population within the United States.

The term "native population" as ordinarily used by the Bureau of the Census comprises all persons born in the United States, including those born in Alaska, Hawaii, Porto Rico, and other outlying possessions of the United States, persons born at sea under the United States flag, and persons of native parentage born abroad and designated as "American citizens born abroad." The native population living in the United States (excluding persons living in outlying possessions) as above defined, numbered, in 1910, 78,456,380 persons, of whom 78,095,419 were reported as born in some specified state of the United States proper (that is, in the United States exclusive of outlying possessions), 7,365 as born in Alaska, Hawaii, Porto Rico, or other outlying possessions, 1,560 as born at sea under the United States flag, and 66,351 as American citizens born abroad. There remain 285,685 persons for whom the place of birth was either not reported at all or was reported as the United States without specifying the state or territory. These have been classified as born in the United States, state of birth not reported.

The several classes of native population above enumerated are shown by geographic divisions in Table 1.

DIVISION OF RESIDENCE.	Total population: 1910	NATIVE POPULATION.				
		Total.	Born in the United States and with state of birth reported.	Born in outlying possessions or at sea.	American citizens born abroad.	State of birth not reported.
<b>United States.....</b>	<b>91,972,266</b>	<b>78,456,380</b>	<b>78,095,419</b>	<b>8,925</b>	<b>66,351</b>	<b>285,685</b>
New England.....	6,552,681	4,727,571	4,702,088	373	13,746	11,324
Middle Atlantic.....	10,315,892	14,464,719	14,410,385	1,171	14,139	39,024
East North Central.....	18,250,621	15,176,855	15,103,330	457	15,121	57,947
West North Central.....	11,637,921	10,021,226	9,961,467	343	6,466	52,950
South Atlantic.....	12,194,895	11,804,901	11,809,658	545	1,937	22,741
East South Central.....	8,409,901	8,322,076	8,304,102	89	641	17,244
West South Central.....	8,784,534	8,432,342	8,392,981	373	2,792	36,196
Mountain.....	2,633,517	2,180,195	2,158,616	270	3,859	17,450
Pacific.....	4,192,304	3,236,495	3,192,792	5,304	7,590	30,899

Many of the tables in this chapter are confined to the native population reported as born in some one of the states; and when it is believed that the connection

makes the meaning clear, the terms "native" and "native American" are frequently used in the text in a restricted sense to include this class only. The table headings are more precise.

**General extent of migration of native population within the United States.**—Of the 78,095,419 persons reported in 1910 as born in some specified state, 61,185,305 were born in the same state in which they were residing at the time the census was taken, as shown by Table 2. The remainder, 16,910,114, had migrated from the state in which they were born and were living in some other state. The persons who had thus migrated formed 21.7 per cent of the total. This percentage differs but little from those shown by the four previous censuses, which have ranged from 23.2 per cent in 1870 to 20.6 per cent in 1900.

CENSUS YEAR.	POPULATION BORN IN AND LIVING IN THE UNITED STATES <sup>1</sup> AND WITH STATE OF BIRTH REPORTED.			
	Total.	Born in state of residence.	Born in other states.	
			Number.	Per cent.
1910.....	78,095,419	61,185,305	16,910,114	21.7
1900.....	65,402,722	51,801,722	13,501,045	20.6
1890.....	52,965,719	41,871,611	11,094,108	20.9
1880.....	43,475,498	33,882,734	9,592,764	22.1
1870.....	32,978,660	25,321,340	7,657,320	23.2

<sup>1</sup> Exclusive of outlying possessions.  
<sup>2</sup> Exclusive of population of Indian Territory and Indian reservations, specially enumerated in 1890, with a native population of 325,451, which, however, was not distributed by state of birth. These areas were not enumerated in 1880 or 1870.

The fact that each census from 1870 to 1910 showed that about one-fifth of the native Americans had migrated from the state in which born to other states indicates a rather high degree of mobility on the part of the population, especially when it is remembered that the census distinguishes only those persons who have migrated across state lines and not those who have moved from one locality to another within the same state. There is no doubt that some migration within the same state involves a greater change of environment, and even a longer journey, than some of the migration across state lines. Much of the movement from country to city takes place within the confines of the same state; on the other hand, some of the interstate migration is merely from one border county or city to another just across the state line. Computations made in connection with the census of 1900 indicated that almost one-half of the persons living outside of the state of birth lived in states adjoining the state of birth.

It is obvious that the statistics in Table 2 showing the number of persons living outside of the state of birth at a given census do not represent the total number of persons who have migrated from the state of birth during any given period of time. Some of those who have migrated have died, and the statistics show only those living at the time of enumeration, who may be briefly described as surviving migrants.

**Interdivisional migration.**—Table 3 shows the difference between the total number of native Americans living in each of the nine geographic divisions and the total number born in each division as reported at the census of 1910.

DIVISION.	POPULATION BORN IN AND LIVING IN THE UNITED STATES <sup>1</sup> AND WITH STATE OF BIRTH REPORTED: 1910		
	Born in the specified division.	Living in the specified division.	Gain (+) or loss (−) by interstate migration (col. 2—col. 1).
	1	2	3
<b>United States</b> .....	<b>78,095,419</b>	<b>78,095,419</b>	.....
New England.....	4,907,215	4,702,088	−205,127
Middle Atlantic.....	15,342,852	14,410,385	−932,467
East North Central.....	16,479,755	15,103,330	−1,376,425
West North Central.....	9,449,180	9,961,467	+512,287
South Atlantic.....	12,770,824	11,869,658	−901,166
East South Central.....	9,481,023	8,304,102	−1,176,921
West South Central.....	6,758,408	8,392,981	+1,634,573
Mountain.....	1,289,296	2,158,616	+869,320
Pacific.....	1,616,866	3,192,792	+1,575,926

<sup>1</sup> Exclusive of outlying possessions.

The table shows that there were, in 1910, 4,907,215 persons living in the United States (exclusive of outlying possessions) who were reported as born in New England, while the number of native Americans residing in New England was 4,702,088, or 205,127 less. This difference represents the net loss to New England in the balancing of surviving emigrants. To put the matter in another way, if all persons should

return to the division in which they were born, the number of persons coming back to New England would exceed by 205,127 the number of persons leaving New England for other parts of the United States. It is evident that the number of persons reported as born in any division by no means indicates what the native American population of that division would have been had there been no interstate migration on the part of the present generation. If every person now living who was born in New England had remained there, the living children and grandchildren of such persons would have been added to the population of that division; as it is, the children and grandchildren of those who migrated elsewhere appear as natives of other divisions. The converse is true regarding the descendants of persons born in other divisions and now living in New England. Thus while the census makes it possible to measure what may be termed the direct effects of the migration of persons still living, it affords no means of measuring the indirect effects.

All divisions east of the Mississippi have lost more than they have gained as the direct result of the migration of persons still living. The more westerly divisions—the West North Central, West South Central, Mountain, and Pacific—have gained largely by such migration. If all the native Americans in the country should return to the states where they were born, the Pacific division would lose nearly one-half of its native American population.

The preceding table shows only the net effects of migration, the last column representing the difference between the number of persons born in a given division who were living outside of it and the number living in the division who were born outside. These numbers are shown in Table 4.

DIVISION.	POPULATION BORN IN AND LIVING IN THE UNITED STATES <sup>1</sup> AND WITH STATE OF BIRTH REPORTED: 1910							Gain (+) or loss (−) through interstate migration (col. 5—col. 1 or col. 6— col. 2).
	Born in the specified division.			Born in and living in the specified division.	Living in the specified division.			
	Total (col. 4 + col. 2).	Living in other divisions.			Total (col. 4 + col. 6).	Born in other divisions.		
		Number.	Per cent.			Number.	Per cent.	
	1	2	3	4	5	6	7	
<b>United States</b> .....	<b>78,095,419</b>	<b>11,349,040</b>	<b>14.5</b>	<b>66,746,379</b>	<b>78,095,419</b>	<b>11,349,040</b>	<b>14.5</b>	
New England.....	4,907,215	568,763	11.6	4,338,452	4,702,088	363,636	7.7	−205,127
Middle Atlantic.....	15,342,852	1,881,406	12.3	13,461,446	14,410,385	948,939	6.6	−932,467
East North Central.....	16,479,755	3,077,070	18.7	13,402,685	15,103,330	1,700,645	11.3	−1,376,425
West North Central.....	9,449,180	1,840,185	19.5	7,608,995	9,961,467	2,352,472	23.6	+512,287
South Atlantic.....	12,770,824	1,478,110	11.6	11,292,714	11,869,658	576,944	4.9	−901,166
East South Central.....	9,481,023	1,788,681	18.9	7,692,342	8,304,102	611,760	7.4	−1,176,921
West South Central.....	6,758,408	1,040,556	6.1	5,717,852	8,392,981	2,675,129	24.4	+1,634,573
Mountain.....	1,289,296	188,290	14.6	1,101,006	2,158,616	1,057,610	49.0	+869,320
Pacific.....	1,616,866	115,579	7.1	1,501,287	3,192,792	1,691,505	53.0	+1,575,926

<sup>1</sup> Exclusive of outlying possessions.

Of the 78,095,419 native Americans enumerated in 1910 with state of birth reported, 11,349,040, or 14.5 per cent, were living outside the division in which born. This percentage is lower than the percentage living outside the state in which born (21.7), as shown by Table 2,

for the obvious reason that many persons migrate from one state to another within the same geographic division. They are interstate migrants, but not interdivisional. Table 4 shows that in 1910 of the 4,907,215 persons born in New England 4,338,452 were still living there

while 568,763 were living in other divisions; on the other hand, there were 363,636 persons living in New England who had been born in other divisions. The difference between the two figures last named, 205,127, is the direct loss to New England by interstate migration, as already shown in Table 3. Of the population born in New England, 11.6 per cent had emigrated to other divisions, and of the native American population living in New England 7.7 per cent had immigrated from other divisions. These statements indicate how the table is to be read.

This table also shows that in 1910 a much larger percentage of the native American population of the West North Central, West South Central, Mountain, and Pacific divisions consisted of persons born outside those divisions than in the case of the five more easterly geographic divisions. In the Mountain and Pacific divisions about one-half of the native American population consisted of those born outside; in the South Atlantic division the proportion was only 4.9 per cent.

It is noteworthy that, notwithstanding the large number of persons living in the West North Central division who were born outside it, the percentage of its own natives living outside its borders (19.5 per cent) was larger than the corresponding percentage for any other geographic division. The statistics indicate that the earlier extensive migration into this division has been followed by a very considerable migration out of it toward the West and South. The lowest proportion living outside the division of birth in 1910 was that for persons born in the West South Central division, 6.1 per cent.

Table 5 is in effect a continuation in condensed form of Table 4. It shows the migration to and from each geographic division as reported at each census from 1870 to 1910; that is, it shows what proportion of the total population reported at each census as born in the division was living in other divisions, and, conversely, what proportion of the native American population living in each geographic division was born in other divisions.

POPULATION BORN IN AND LIVING IN THE UNITED STATES, BY DIVISIONS: 1870-1910.

Table 5	POPULATION BORN IN AND LIVING IN THE UNITED STATES <sup>1</sup> AND WITH STATE OF BIRTH REPORTED.										Net gain (+) or loss (-) through interstate migration.
	DIVISION AND CENSUS YEAR.			Born in the specified division.		Living in the specified division.					
				Total.	Living in other divisions.		Total.	Born in other divisions.			
	Number.	Per cent.	Number.		Per cent.						
NEW ENGLAND:											
1910.....	4,907,215	568,763	11.6	4,702,088	363,636	7.7	-205,127				
1900.....	4,338,274	526,979	12.1	4,119,509	308,214	7.5	-218,765				
1890.....	3,898,003	564,572	14.5	3,540,915	207,484	5.9	-357,088				
1880.....	3,643,424	587,020	16.1	3,216,890	160,505	5.0	-426,534				
1870.....	3,283,103	568,707	17.3	2,888,792	114,396	4.0	-454,311				
MIDDLE ATLANTIC:											
1910.....	15,342,852	1,881,406	12.3	14,410,385	948,809	6.6	-932,467				
1900.....	13,178,117	1,808,060	13.7	12,089,947	719,910	6.0	-1,088,150				
1890.....	11,177,406	1,818,304	16.3	9,840,357	481,315	4.9	-1,337,049				
1880.....	9,843,732	1,785,831	18.1	8,475,904	418,003	4.9	-1,367,828				
1870.....	8,186,679	1,596,101	19.5	6,935,402	344,824	5.0	-1,251,277				
EAST NORTH CENTRAL:											
1910.....	16,479,755	3,077,070	18.7	15,103,330	1,700,645	11.3	-1,376,425				
1900.....	14,160,456	2,473,049	17.5	13,305,007	1,617,600	12.2	-855,449				
1890.....	11,596,441	2,194,918	18.9	10,890,202	1,488,679	13.7	-706,239				
1880.....	9,179,161	1,552,367	16.9	9,289,907	1,693,203	17.9	+110,836				
1870.....	6,618,328	930,119	14.1	7,460,310	1,772,101	23.8	+841,982				
WEST NORTH CENTRAL:											
1910.....	9,449,180	1,840,185	19.5	9,961,467	2,382,472	23.6	+512,287				
1900.....	7,448,659	1,101,856	14.8	8,777,275	2,430,472	27.7	+1,328,616				
1890.....	5,202,124	592,940	11.3	7,278,499	2,699,315	35.8	+2,016,375				
1880.....	3,276,998	333,539	10.2	5,157,213	2,213,754	42.9	+1,880,215				
1870.....	1,801,712	176,027	9.8	3,183,301	1,557,616	48.9	+1,381,589				
SOUTH ATLANTIC:											
1910.....	12,770,824	1,478,110	11.6	11,569,658	576,944	4.9	-901,166				
1900.....	11,161,575	1,372,186	12.3	10,211,017	421,628	4.1	-950,558				
1890.....	9,616,872	1,291,048	13.4	8,625,681	299,857	3.5	-991,191				
1880.....	8,509,714	1,355,735	15.7	7,422,906	218,927	3.4	-1,088,808				
1870.....	6,828,793	1,318,504	19.3	5,686,136	175,847	3.1	-1,142,657				
EAST SOUTH CENTRAL:											
1910.....	9,481,023	1,788,681	18.9	8,304,102	611,760	7.4	-1,176,921				
1900.....	8,325,166	1,482,208	17.8	7,444,534	601,556	8.1	-882,632				
1890.....	6,978,603	1,255,780	18.0	6,292,013	569,199	9.0	-686,500				
1880.....	6,019,996	1,146,840	19.1	5,489,952	616,796	11.2	-530,044				
1870.....	4,591,940	932,776	20.3	4,299,251	640,087	14.9	-292,689				
WEST SOUTH CENTRAL:											
1910.....	6,758,408	410,956	6.1	8,392,981	2,045,529	24.4	+1,634,573				
1900.....	4,855,385	231,088	4.8	6,244,819	1,620,522	25.9	+1,389,434				
1890.....	3,242,235	149,296	4.6	4,279,938	1,186,989	27.7	+1,037,703				
1880.....	2,257,662	108,456	4.8	3,155,080	1,085,884	31.9	+897,428				
1870.....	1,269,192	74,374	5.9	1,899,927	705,109	37.1	+630,735				
MOUNTAIN:											
1910.....	1,289,296	188,290	14.6	2,158,616	1,057,610	49.0	+869,320				
1900.....	835,858	84,466	10.1	1,361,499	610,077	44.8	+525,611				
1890.....	469,834	36,314	7.7	883,235	449,715	50.9	+413,401				
1880.....	285,621	17,969	6.3	492,226	224,574	45.6	+206,605				
1870.....	155,724	6,140	3.9	228,290	78,706	34.5	+72,566				
PACIFIC:											
1910.....	1,616,866	115,579	7.1	3,192,792	1,691,505	53.0	+1,575,926				
1900.....	1,099,277	74,379	6.8	1,849,170	824,272	44.6	+749,893				
1890.....	724,201	39,888	5.5	1,334,879	680,566	48.7	+610,678				
1880.....	459,190	25,322	5.5	775,320	341,462	44.0	+316,130				
1870.....	233,199	12,109	5.2	447,251	226,171	50.6	+214,062				

<sup>1</sup> Exclusive of outlying possessions.

In 1870, 17.3 per cent of the persons born in New England were living in other divisions. In 1910, the percentage had declined to 11.6. There was a similar decline in the percentage for the Middle Atlantic and South Atlantic divisions. The two North Central divisions show an increase in this percentage. The two South Central divisions show, on the whole, no marked change in this respect, but the percentage of emigrants from the Mountain division has greatly increased, while that of emigrants from the Pacific division has increased in some degree.

In the case of the New England and Middle Atlantic divisions there has been some increase in the relative importance of domestic immigration, as indicated by the percentage of the native American population born outside of the division. Thus, in 1870, 4 per cent of the total population born in the United States and living in New England were born outside New England. By 1910 the proportion had increased to 7.7 per cent. The South Atlantic division also shows some increase in this percentage, but the four central divisions show a rather marked decline. Thus, in 1870, almost one-half (48.9 per cent) of the total native population inhabiting the West North Central division were born in other parts of the United States, as against less than one-fourth (23.6 per cent) in 1910. In the Mountain and Pacific divisions the percentage has fluctuated without any continuous movement toward either a higher or a lower percentage. It is noteworthy, however, that, notwithstanding the large migration to the Pacific coast in the years following the discovery of gold in California, the proportion of the native population of the Pacific division reported as born outside that division was larger in 1910 than at any preceding census back to and including 1870.

Comparing the returns for 1910 with those for 1900, as shown in Table 5, the divisions may be placed in two groups—first, those in which the direct loss through interdivisional migration of persons now living was reduced or the gain increased during the decade, and, second, those of which the converse is true, the loss being increased or the gain reduced. The two groups are distinguished by the last two columns of Table 6.

The first group includes the New England, Middle Atlantic, and South Atlantic divisions, in which the loss through interstate migration has been reduced, and also the West South Central, Mountain, and Pacific divisions, in which the gain has been increased. The second group includes the East North Central and East South Central divisions, in which the loss has been increased, and also the West North Central, in which the gain has been reduced. In 1900 the West North Central division had gained 1,328,616 persons, but in 1910 the gain was only 512,287, a reduction of 816,329.

The figures presented in the last two columns of Table 6, however, by no means represent the difference between migration into and migration out of the respective divisions during the past 10 years. Changes

in the gains or losses are also affected by deaths among those who had previously migrated. Undoubtedly, however, in the case of marked changes in gain or loss between 1900 and 1910, migration during the decade has been the principal factor.

**Table 6**

DIVISION.	NET GAIN (+) OR LOSS (—) THROUGH INTERSTATE MIGRATION.		Reduction of loss or increase of gain: 1900-1910	Increase of loss or reduction of gain: 1900-1910
	1910	1900		
New England.....	-205,127	-218,765	13,638	
Middle Atlantic.....	-932,467	-1,088,150	155,683	
East North Central.....	-1,376,425	-835,449		520,976
West North Central.....	+512,287	+328,616		816,329
South Atlantic.....	-901,166	-950,558	49,392	
East South Central.....	-1,176,921	-880,632		296,289
West South Central.....	+1,634,573	+1,389,434	245,139	
Mountain.....	+869,330	+525,611	343,719	
Pacific.....	+1,573,926	+749,893	824,033	

Table 5 shows that in the New England and South Atlantic divisions the net loss through interstate migration has steadily declined. In the case of the East North Central division the gain shown at the censuses of 1870 and 1880 has given place to a loss which was much greater in 1910 than in 1900 or 1890. In the case of the West North Central division the gain through interstate migration reached its maximum in 1890 and has declined very greatly since then. In the West South Central, Mountain, and Pacific divisions, on the other hand, the gain has steadily increased, being greater in 1910 than at any preceding census.

Certain broad generalizations of considerable interest may be drawn by comparing the population living in the three geographic sections, the North, the South, and the West, with the population reported as born in those sections, as shown by Table 7.

**Table 7**

RACE AND SECTION OF RESIDENCE.	Total native population: 1910	BORN IN—			State of birth not reported, or born in outlying pos- sessions, etc.
		The North.	The South.	The West.	
ALL RACES.					
United States.....	78,456,380	46,179,002	29,010,255	2,906,162	360,961
The North.....	44,300,371	42,526,162	1,527,107	124,001	213,101
The South.....	28,649,319	1,449,229	27,079,282	38,230	82,578
The West.....	5,416,690	2,203,611	403,866	2,743,931	65,282
WHITE.					
United States.....	68,386,412	45,488,942	19,814,800	2,766,492	316,118
The North.....	43,319,193	41,891,353	1,110,245	116,939	200,656
The South.....	19,831,249	1,467,292	18,326,236	34,523	53,228
The West.....	5,245,970	2,190,327	378,379	2,615,630	62,234
NEGRO.					
United States.....	9,787,424	621,286	9,169,153	15,604	41,381
The North.....	969,451	570,298	415,533	2,295	11,325
The South.....	8,738,858	39,077	8,698,619	2,412	28,750
The West.....	49,115	11,911	25,001	16,897	1,306

The above table shows, for all races and for the whites and negroes separately, the number resident in each section in 1910 who were reported as born in each section; or, conversely, the number born in each section who were resident in each. The North comprises the New England, Middle Atlantic, and North Central divisions; the South, the South Atlantic and South Central divisions; and the West, the Mountain and Pacific divisions.



Table 7 brings out the fact that there has been considerable migration from north to south and from south to north, as well as from east to west. The absolute number of persons born in the North and living in the South (1,449,229) was not very different from the number born in the South and living in the North (1,527,107). The North, however, has contributed more than five times as many to the population of the West as the South has.

Division of birth in relation to division of residence. — More specific information regarding interdivisional migration may be obtained from Table 16, page 181, the first part of which shows, when read from left to right, the number of native American persons living in each geographic division who were born in each division. If read downward, the table, of course, shows the number born in each division who were living in each division. In Table 8 persons born in each geographic division are distributed on a percentage basis according to the division in which they were resident in 1910.

Table 8 shows, for example, that in 1910, of the total number of persons born in New England, 88.4 per cent were still living in that division, while 4.5

per cent were living in the adjacent division on the west—the Middle Atlantic division; 2 per cent in the next division farther west—the East North Central; 1.5 per cent in the West North Central; and 2 per cent in the Pacific. The percentage living in the division in which born ranged from 80.5 in the West North Central division to 93.9 in the West South Central division.

In a majority of cases the largest number of the emigrants from any division are resident in the adjoining division on the west. This is true of the emigrants from the New England, the Middle Atlantic, the East North Central, the East South Central, and the Mountain divisions; but the South Atlantic division has a larger number of its emigrating natives in the division immediately north of it than in any other division, and this is also true of the West South Central division, while of the emigrants from the West North Central a larger number went to the Pacific division and also to the West South Central than to the adjacent Mountain division on the west. While the main current of migration is westward, there has been some eastward migration and considerable migration north and south.

Table 8

DIVISION OF RESIDENCE.	PER CENT DISTRIBUTION, BY DIVISION OF RESIDENCE, OF THE POPULATION OF THE UNITED STATES <sup>1</sup> BORN IN—								
	New Eng. land.	Middle Atlantic.	East North Central.	West North Central.	South Atlantic.	East South Central.	West South Central.	Mountain.	Pacific.
United States.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New England.....	88.4	1.6	0.2	0.1	0.3	0.1	0.1	0.3	0.3
Middle Atlantic.....	4.5	87.7	1.3	0.5	3.1	0.3	0.2	0.9	0.8
East North Central.....	2.0	4.3	81.3	3.6	1.6	3.6	0.5	1.4	0.9
West North Central.....	1.5	2.2	8.6	80.5	1.0	2.5	1.6	3.0	1.1
South Atlantic.....	0.6	1.3	0.7	0.3	88.4	1.9	0.3	0.3	0.3
East South Central.....	0.1	0.2	0.8	0.3	2.6	81.1	1.2	0.2	0.1
West South Central.....	0.2	0.4	1.9	5.3	2.2	9.1	93.9	1.3	0.5
Mountain.....	0.6	0.7	1.8	4.1	0.4	0.6	1.3	85.4	3.0
Pacific.....	2.0	1.5	3.3	5.2	0.5	0.8	1.0	7.2	92.9

<sup>1</sup> Exclusive of outlying possessions.

Table 9 shows what percentage of the native population resident in each division were born in that division and in each of the other divisions. The percentages are based on the total native population, including persons born in the outlying possessions of the United States, or at sea under the United States flag, persons born in the United States for whom the state of birth was not reported, and American citizens born abroad. The table is substantially the con-

verse of Table 8 and needs little comment. It brings out the fact that the two North Central divisions have contributed largely to the population of the Pacific and Mountain divisions. Of the total native population of the Pacific division, 31.7 per cent were born east of the Mississippi (that is, in the New England, Middle Atlantic, East North Central, South Atlantic, and East South Central divisions), and of the total native population of the Mountain division, 24.7 per cent.

Table 9

DIVISION OF BIRTH.	PER CENT DISTRIBUTION, BY DIVISION OF BIRTH, OF THE NATIVE POPULATION OF THE UNITED STATES <sup>1</sup> AND RESIDING IN—								
	New England.	Middle Atlantic.	East North Central.	West North Central.	South Atlantic.	East South Central.	West South Central.	Mountain.	Pacific.
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New England.....	91.8	1.5	0.6	0.7	0.3	0.1	0.1	1.4	3.1
Middle Atlantic.....	5.3	92.1	4.3	3.4	1.7	0.3	0.7	5.1	7.2
East North Central.....	0.8	1.5	88.3	14.2	1.0	1.6	3.7	13.5	16.9
West North Central.....	0.3	0.3	2.2	75.9	0.2	0.4	5.9	17.6	15.6
South Atlantic.....	0.9	2.7	1.3	1.2	94.9	4.0	3.3	2.1	2.1
East South Central.....	0.1	0.2	2.2	2.4	1.5	92.4	10.2	2.6	2.4
West South Central.....	0.1	0.1	0.2	1.1	0.1	1.0	75.3	4.0	2.1
Mountain.....	0.1	0.1	0.1	0.4	(?)	(?)	0.2	50.5	2.9
Pacific.....	0.1	0.1	0.1	0.2	(?)	(?)	0.1	2.3	46.4
United States, state of birth not reported.....	0.2	0.3	0.4	0.5	0.2	0.2	0.4	0.8	1.0
Outlying possessions <sup>2</sup> .....	0.3	0.1	0.1	0.1	(?)	(?)	(?)	0.2	0.4

<sup>1</sup> Exclusive of outlying possessions.

<sup>2</sup> Less than one-tenth of 1 per cent.

<sup>3</sup> Includes also persons born at sea under United States flag and American citizens born abroad.

**Migration of native white and native negro population.**—The preceding tables (with one exception) have dealt with the total native population without distinction of race. It is desirable, however, to consider separately the division of birth of the native white and

the native negro population, which together constitute nearly the entire number of native Americans. Table 10 therefore presents for these two classes statistics similar to those presented in Table 4 for the total native population.

**Table 10**WHITE PERSONS BORN IN AND LIVING IN THE UNITED STATES<sup>1</sup> AND WITH STATE OF BIRTH REPORTED: 1910

DIVISION.	Born in the specified division.			Living in the specified division.			Gain (+) or loss (—) through interstate migration (col. 6—col. 2).
	Total (col. 4+col. 2).	Living in other divisions.		Born in and living in the specified division.	Born in other divisions.		
		Number.	Per cent.		Number.	Per cent.	
1	2	3	4	5	6	7	8
United States.	68,070,284	10,366,735	15.2	57,703,559	68,070,284	10,366,735	15.2
New England.....	4,867,376	561,617	11.5	4,305,759	4,641,157	335,398	7.2
Middle Atlantic.....	15,123,715	1,858,755	12.3	13,264,960	14,003,037	738,077	5.3
East North Central.....	16,287,667	3,047,706	18.7	13,239,961	14,791,593	1,551,632	10.9
West North Central.....	9,210,184	1,890,028	20.5	7,320,156	9,682,750	2,362,594	23.5
South Atlantic.....	8,273,219	1,028,666	12.4	7,244,553	7,765,765	521,212	6.7
East South Central.....	6,631,441	1,433,609	21.6	5,197,832	6,537,676	459,444	8.1
West South Central.....	4,969,890	346,311	7.1	4,563,459	6,344,580	1,781,091	28.1
Mountain.....	1,296,525	181,649	15.1	1,094,876	2,063,208	1,068,332	53.3
Pacific.....	1,569,967	108,394	6.9	1,451,573	3,120,528	1,668,955	53.5

<sup>1</sup> Exclusive of outlying possessions.

This table shows a somewhat greater mobility on the part of the white population than on the part of the negro. Of the 68,070,284 native whites enumerated in 1910, 10,366,735, or 15.2 per cent, were living in some other division than that in which born. Of the 9,746,043 native negroes 963,153, or 9.9 per cent, were living outside the division of birth. In the case of the whites the percentages living outside the division of birth ranged from 6.9 for whites born in the Pacific division to 21.6 for those born in the East South Central. In the case of the negroes the percentages ranged from 3.6 for those born in the West South Central division to 43.9 for those born in the Mountain division. Outside the South a large part of the negro population are not natives of the division in which living, but have immigrated from other divisions, principally from the South, the proportion of immigrants ranging from almost one-third in the West North Central division to about four-fifths in the Pacific and Mountain divisions. The South Atlantic and East South Central divisions are the only ones which have suffered a direct loss in population through the migration of negroes of the present generation. The absolute gain is most conspicuous in the case of the Middle Atlantic and West South Central divisions.

The migration of native whites and native negroes to and from the several states, so far as it can be indicated by statistics of state of birth, is shown in Table 15, which corresponds to Table 10 above.

**Migration to the several divisions from other divisions and from foreign countries.**—Table 11 shows for 1910 and 1900 the sources from which the different geographic divisions had drawn their population. The three classes distinguished are (1) natives of the division of residence, (2) native Americans born outside the di-

NEGRO PERSONS BORN IN AND LIVING IN THE UNITED STATES<sup>1</sup> AND WITH STATE OF BIRTH REPORTED: 1910

DIVISION.	Born in the specified division.				Living in the specified division.				Gain (+) or loss (—) through interstate migration (col. 14—col. 10).
	Total (col. 12+col. 10).		Living in other divisions.		Total (col. 12+col. 14).		Born in other divisions.		
	Number.	Per cent.	Number.	Per cent.					
9	10	11	12	13	11	15	16		
United States.	9,746,043	963,153	9.9	8,782,890	9,746,043	963,153	9.9		
New England.	37,709	6,984	18.5	30,815	58,109	27,244	47.1		
Middle Atlantic.	212,145	22,183	10.5	189,962	308,529	208,567	62.3		
East North Central.	173,226	28,039	16.2	145,187	292,875	147,688	50.4		
West North Central.	189,116	30,062	18.2	162,054	238,613	76,559	32.1		
South Atlantic.	4,467,313	448,140	10.0	4,039,173	4,094,486	55,313	1.4		
East South Central.	2,844,598	352,991	12.4	2,491,607	2,643,722	152,115	5.8		
West South Central.	1,777,242	63,354	3.6	1,713,888	1,971,900	258,012	13.1		
Mountain.	13,549	7,542	55.3	6,007	20,571	10,469	50.8		
Pacific.	5,362	2,180	26.4	4,182	27,228	21,156	77.7		

vision of residence, and (3) the foreign born; more briefly, they may be called natives, domestic immigrants, and foreign immigrants.

**Table 11**

DIVISION OF RESIDENCE.	Total population. <sup>1</sup>	DIVISION OF RESIDENCE.		OTHER DIVISIONS.		FOREIGN BORN.	
		Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
1910							
United States.....	91,972,266	66,746,379	72.6	11,349,040	12.3	13,615,886	14.7
New England.....	6,552,681	4,338,452	66.2	363,636	5.5	1,853,113	27.9
Middle Atlantic.....	19,315,892	13,461,446	69.7	948,439	4.9	4,853,173	25.1
East North Central.....	18,250,621	13,402,685	73.4	1,700,645	9.3	3,073,766	16.8
West North Central.....	11,637,921	7,608,995	65.4	2,352,472	20.2	1,616,695	13.9
South Atlantic.....	12,194,895	11,292,714	92.6	576,944	4.7	299,944	2.5
East South Central.....	8,469,901	7,692,343	91.5	611,760	7.1	87,825	1.0
West South Central.....	8,784,534	6,347,452	72.3	2,045,529	23.3	352,192	4.0
Mountain.....	2,633,517	1,101,006	41.8	1,057,610	40.2	453,322	17.2
Pacific.....	4,192,304	1,501,287	35.8	1,691,508	40.3	955,909	22.8
1900							
United States.....	76,994,575	56,248,496	74.0	9,154,271	12.0	10,341,278	13.6
New England.....	5,592,017	3,811,295	68.2	308,214	5.5	1,445,237	25.8
Middle Atlantic.....	15,454,678	11,370,657	73.6	719,910	4.7	3,317,559	21.5
East North Central.....	15,985,581	11,687,407	73.1	1,617,600	10.1	2,625,226	16.4
West North Central.....	10,347,423	6,346,810	61.3	2,430,812	23.5	1,533,245	14.8
South Atlantic.....	10,445,480	9,789,389	93.7	421,628	4.0	216,030	2.1
East South Central.....	7,547,757	6,842,958	90.7	601,576	8.0	90,568	1.2
West South Central.....	6,532,290	4,624,297	70.8	1,620,522	24.8	267,087	4.1
Mountain.....	1,674,657	751,392	44.9	610,077	36.4	309,988	18.0
Pacific.....	2,416,692	1,024,838	42.4	824,272	34.1	544,352	22.5

<sup>1</sup> Includes persons born in the United States, state of birth not reported, persons born in outlying possessions, or at sea under United States flag, and American citizens born abroad. (See Tables 1 and 16.)

In most of the divisions the natives are greatly in the majority, outnumbering both classes of immigrants. The preponderance is greatest in the South Atlantic division, where 92.6 per cent of the population in 1910 consisted of persons born in the division. The proportion was nearly as great in the East South Central. In the Pacific division, however, the most important class numerically was that of the domestic immigrants, who formed 40.3 per cent of the total population in 1910, while the natives of the division formed but 35.8 per cent—

hardly more than one-third—and the foreign immigrants 22.8 per cent. In the Mountain division the natives of the division were only slightly more numerous than the domestic immigrants, and constituted but 41.8 per cent of the total population. Of course, these conditions are indicative of the comparatively recent settlement and rapid development of the far West, and of the great immigration thither from other parts of the United States. In New England and in the Middle Atlantic and East North Central divisions the greater part of the immigration is from foreign countries, the foreign born greatly outnumbering the domestic immigrants, but in all the other divisions the foreign immigrants are the least numerous of the three classes here compared.

Comparison between the figures for 1910 and 1900, shown in Table 11, reveals the relative importance of the three classes as factors in the increase in the population of the several divisions during the decade. The comparison is facilitated by Table 12. It may be well to point out that this table throws no light upon the question of the fecundity or natural increase of the population. The persons reported in 1910 as born in a given division include, of course, many children of persons who were not born in the division as well as the children of persons born in the division.

Table 12 INCREASE IN POPULATION: 1900-1910

DIVISION.	Total. <sup>1</sup>	Born in division of residence.	Born in other divisions.	Foreign born.
United States.....	15,977,691	10,497,853	2,194,769	3,174,610
New England.....	960,664	527,157	55,422	379,873
Middle Atlantic.....	3,861,214	2,091,389	229,029	1,539,614
East North Central.....	2,265,040	1,715,278	83,045	445,540
West North Central.....	1,290,498	1,262,192	—78,000	83,447
South Atlantic.....	1,751,415	1,503,325	155,316	83,964
East South Central.....	862,144	849,384	10,184	2,743
West South Central.....	2,252,244	1,725,155	425,007	83,105
Mountain.....	958,860	349,614	447,533	151,333
Pacific.....	1,775,612	476,389	867,233	411,457

<sup>1</sup> Includes persons born in the United States, state of birth not reported, persons born in outlying possessions, or at sea under United States flag, and American citizens born abroad.

This table shows very great differences among the geographic divisions with respect to the relative importance of the three classes as factors in the increase in population. In the New England and Middle Atlantic divisions the increase during the decade was chiefly in persons born within the division of residence and in the foreign born, the increase in the latter being roughly three-fourths as great as in the former. In the East North Central division conditions were somewhat similar, except that the increase in the foreign born was relatively less important. In the West North Central, South Atlantic, and East South Central divisions, on the other hand, nearly the entire increase was in natives of the division. In the West South Central division there was a marked increase in domestic immigrants, as well as in natives of the division, but comparatively little increase in the foreign born. Finally, in the Mountain and Pacific

divisions the increase in domestic immigrants was greater than that in natives, and there was also a very considerable increase in the foreign born.

**Migration to the several states from other states and from foreign countries.**—Table 13 gives a classification of the population of each state in 1910, distinguishing the natives of the state, the domestic immigrants (born in other states), and the foreign immigrants (foreign born).<sup>1</sup>

Table 13

STATE.	Total population: 1910 <sup>1</sup>	BORN IN STATE OF RESIDENCE.		BORN IN OTHER STATES.		FOREIGN BORN.	
		Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
United States.....	91,972,266	61,185,305	66.5	16,910,114	18.4	13,515,886	14.7
NEW ENGLAND:							
Maine.....	742,371	578,739	78.0	50,000	6.7	110,562	14.9
New Hampshire.....	430,572	248,629	57.7	82,562	19.2	96,667	22.5
Vermont.....	355,950	250,480	70.4	52,165	14.7	49,921	14.0
Massachusetts.....	3,366,416	1,861,829	55.3	434,104	12.9	1,069,245	31.5
Rhode Island.....	542,610	287,116	53.0	94,701	17.5	178,141	33.0
Connecticut.....	1,114,756	607,074	54.5	174,690	15.7	327,574	29.6
MIDDLE ATLANTIC:							
New York.....	9,113,614	5,647,063	62.0	636,616	7.5	2,748,011	30.2
New Jersey.....	1,344,164	734,104	54.6	101,423	7.5	669,788	50.0
Pennsylvania.....	7,065,111	5,638,263	79.8	569,204	7.4	1,442,374	18.8
EAST NORTH CENTRAL:							
Ohio.....	4,767,121	3,546,991	74.4	607,352	12.7	598,374	12.6
Indiana.....	2,700,876	2,031,345	75.2	301,423	11.2	159,663	5.9
Illinois.....	5,638,591	3,406,638	60.4	997,189	17.7	1,265,314	21.4
Michigan.....	2,810,173	1,761,085	62.7	436,326	15.5	597,550	21.3
Wisconsin.....	2,333,860	1,558,455	66.8	256,329	11.0	518,965	22.0
WEST NORTH CENTRAL:							
Minnesota.....	2,075,708	1,211,376	58.4	402,137	19.4	543,595	26.2
Iowa.....	2,224,771	1,416,584	63.7	324,774	14.6	278,765	12.3
Missouri.....	3,295,335	2,222,925	67.5	822,738	25.0	239,779	7.0
North Dakota.....	577,056	497,847	86.3	216,996	37.6	156,654	27.1
South Dakota.....	583,888	225,125	38.6	254,762	43.6	100,790	17.3
Nebraska.....	1,192,214	595,551	50.0	414,056	34.7	176,662	14.8
Kansas.....	1,690,949	823,628	48.7	722,995	42.8	135,450	8.0
SOUTH ATLANTIC:							
Delaware.....	202,322	137,131	67.8	47,285	23.4	17,492	8.6
Maryland.....	1,265,346	1,026,355	79.2	161,783	12.5	104,944	8.1
District of Columbia.....	331,069	139,351	42.1	164,623	49.7	24,902	7.5
Virginia.....	1,611,612	1,349,122	83.7	188,886	11.7	173,604	10.7
West Virginia.....	1,221,119	331,077	27.1	229,925	18.8	57,218	4.7
North Carolina.....	2,206,287	2,089,728	94.7	108,605	4.9	6,092	0.3
South Carolina.....	1,515,400	1,431,028	94.4	76,996	5.1	6,179	0.4
Florida.....	2,090,121	2,064,349	98.6	221,545	8.5	15,477	0.6
Georgia.....	1,752,619	1,663,003	95.0	244,836	13.9	40,633	2.3
EAST SOUTH CENTRAL:							
Kentucky.....	2,289,905	2,031,385	88.7	215,317	9.4	40,162	1.8
Tennessee.....	2,184,789	1,873,227	85.7	286,419	13.1	18,907	0.9
Alabama.....	2,138,093	1,857,916	86.9	257,031	12.0	19,286	0.9
Mississippi.....	1,797,114	1,663,839	92.6	218,768	12.2	9,770	0.5
WEST SOUTH CENTRAL:							
Arkansas.....	1,574,449	1,055,940	67.1	494,075	31.4	17,046	1.1
Louisiana.....	1,656,388	1,405,936	84.9	190,309	11.5	52,766	3.2
Oklahoma.....	1,657,155	515,212	31.1	1,092,844	65.9	40,442	2.4
Texas.....	3,896,542	2,730,757	70.1	967,908	23.3	241,938	6.2
MOUNTAIN:							
Montana.....	376,053	99,314	26.4	177,783	47.3	94,713	25.2
Idaho.....	325,594	90,225	27.7	190,063	58.4	42,578	13.1
Wyoming.....	145,965	31,782	21.8	84,209	57.7	29,020	19.9
Colorado.....	779,024	233,516	29.2	430,264	55.3	129,387	16.2
New Mexico.....	327,301	184,749	56.4	117,954	36.0	23,146	7.1
Arizona.....	204,354	78,949	38.6	74,699	36.6	48,765	23.9
Utah.....	373,351	243,054	65.1	60,655	16.2	62,822	17.6
Nevada.....	81,875	21,640	26.4	39,700	48.5	19,691	24.1
PACIFIC:							
Washington.....	1,141,990	262,694	23.0	608,226	53.3	256,241	22.4
Oregon.....	672,765	223,102	33.0	329,538	49.0	113,136	16.8
California.....	2,377,549	903,990	38.0	863,290	36.3	589,423	24.7

<sup>1</sup> Includes persons born in the United States, state of birth not reported, persons born in outlying possessions, or at sea under United States flag, and American citizens born abroad. The combined number of these classes in the United States was only 360,961, or 0.4 per cent of the total population.

In nearly every state east of the Mississippi a majority at least of the population were natives of the state, the only exceptions being, in fact, Rhode Island and the District of Columbia. In three of the southern states more than nine-tenths of the population were natives, but north of the Ohio there were only two states, Maine and Indiana, in which the proportion of natives exceeded three-fourths. The foreign immigrants outnumbered the domestic immigrants in every state north of the Ohio and east of the Mississippi

except Vermont, Ohio, and Indiana. In Vermont and Ohio domestic immigrants were not much more numerous than the foreign, but in Indiana they outnumbered the foreign immigrants more than three to one.

West of the Mississippi there were only nine states (Iowa, Minnesota, Missouri, Nebraska, Arkansas, Louisiana, Texas, New Mexico, and Utah) in which a majority of the population were natives of the state. In Wyoming the natives of the state in 1910 formed only 21.8 per cent of the total population and in Washington only 23 per cent. In the latter state a majority (53.3 per cent) of the population were domestic immigrants. This was also the case in Idaho, Wyoming, Colorado, and Oklahoma. The domestic immigrants outnumbered the foreign immigrants in every state west of the Mississippi except Minnesota and Utah.

**Interstate migration.**—Table 14 presents for the several states in 1910 and 1900 the same class of data that is shown for the geographic divisions in Table 4, that is, it shows what proportion of the population born in each state was living in other states and what proportion of the native American population of each state was born in other states. It shows, for example, that the population of the United States (not including Alaska, Hawaii, Porto Rico, or other outlying possessions) in 1910 included 791,827 persons who were born in the state of Maine and that of this number, 578,739 were living in Maine, while 213,088, or 26.9 per cent of the total, had left Maine and settled in other states; and it shows also that the population of Maine included 628,748 native Americans with state of birth reported, of whom 578,739 were born in Maine and 50,009, or 8 per cent, were born in other states. The numbers of native Americans who have thus migrated to and from the several states are shown graphically in the diagram on page 186.

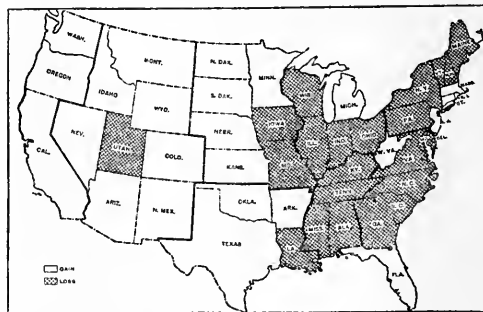
The proportion of the natives of the several states residing in other states in 1910 varied widely. In the case of the following states it exceeded one-third: Nevada (46.4 per cent); Vermont (38.6); Wyoming (37.8); Iowa (36.1); Kansas (34.2); and New Hampshire (33.8). In the following states it was less than one-sixth: Pennsylvania (16.6 per cent); Georgia (16.4); Massachusetts (16.1); New Mexico (15.5); South Carolina (15.5); North Carolina (15.4); Texas (12.9); Louisiana (12.1); Florida (10.2); and California (10). These percentages, it should be remembered, do not include persons who migrated from the states named to outlying possessions of the United States.

Referring to column 7 of the table it will be found that there are only seven states (Maine, Pennsylvania, Virginia, North Carolina, South Carolina, Georgia, and Kentucky) in which the domestic immigrants—applying that term to persons born outside the state but within the United States, exclusive of outlying territories and possessions—formed less than one-tenth of the native American population of the state in 1910. East of the Mississippi there are only four states

(Rhode Island, New Jersey, Delaware, and Florida) in which the proportion exceeded one-fourth, or 25 per cent. In the District of Columbia, however, the proportion exceeded one-half. West of the Mississippi there are 10 states (North Dakota, South Dakota, Oklahoma, Montana, Idaho, Wyoming, Colorado, Nevada, Washington, and Oregon) in which more than half the native American population in 1910 were domestic immigrants and only two (Louisiana and Utah) in which the proportion was less than one-fourth.

Table 14 also shows the gain or loss to the several states by interstate migration; or, in other words, the difference between the number of persons living in the state and born in other states and the number born in the state and living in other states. For example, at the census of 1910, 213,088 persons born in the state of Maine were living in other states and 50,009 persons born in other states were living in Maine. The difference, 163,079, appears in this table as the direct net loss to the state of Maine by interstate migration. Most of the states east of the Mississippi have lost more than they have gained by this interchange of population with other states, gains being shown only for Massachusetts, Rhode Island, Connecticut, New Jersey, Michigan, West Virginia, Florida, and the District of Columbia. West of the Mississippi, on the other hand, most of the states have gained more than they have lost, the only states which have lost being Iowa, Missouri, Louisiana, and Utah.

STATES GAINING OR LOSING BY INTERSTATE  
MIGRATION: 1910.



\* Table 15 presents, for 1910, by states for the native white and native negro population separately, statistics similar to those presented for the total native population in Table 14.

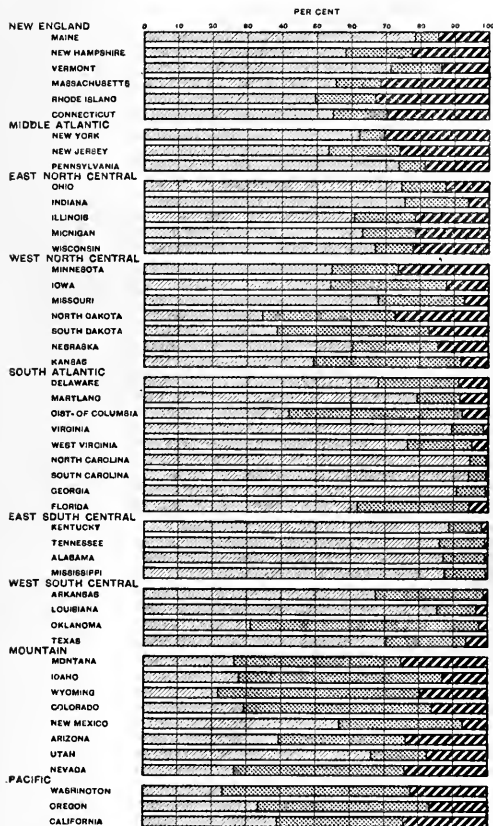
Of the two diagrams on the next page, the one on the left shows for each state the percentages of the total population born in the state, born in other states, and born in foreign countries (see also Table 13), while the diagram on the right shows what percentage of the natives of each state were still living in that state in 1910 and what percentage had emigrated to other states. In the first of the two maps presented

on page 178, the states are classified in six groups with reference to the percentage of emigrants. This map brings out the fact that in general the emigration from states located on the boundary of the United States is relatively less than from states more centrally located. This probably is in part a natural result of the fact that the possibility of emigration from a border state to other parts of the United States is cut off in one or more directions. From some of the states along the northern border there has been a very considerable emigration to Canada in recent years; but this of course is not revealed by a population census of the United States. In the second map on page 178, the states are grouped with reference to the percentage which the population born in other states forms of the total native population or population born in the United States. The percentages are presented in Tables 13 and 14.

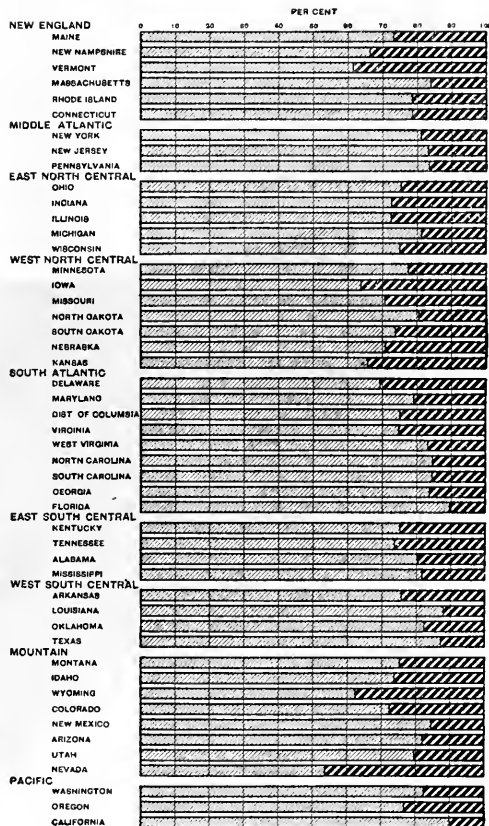
State of birth in relation to state of residence.—In Table 16 the total native population of each state and geographic division is distributed according to the state or geographic division in which born. As regards any given state, this table shows how many of the persons living in that state were born there and how many were born in each of the other states; it gives similar information for the several geographic divisions. The table covers the total native population, including those born in outlying territories or possessions of the United States, or at sea under the United States flag, those born in the United States for whom the state of birth was not reported, and American citizens born abroad. At the same time the table when read by columns gives the distribution by residence (state or geographic division) of the total population reported as born in each state or geographic division.

## DISTRIBUTION OF TOTAL POPULATION AND NATIVE POPULATION.

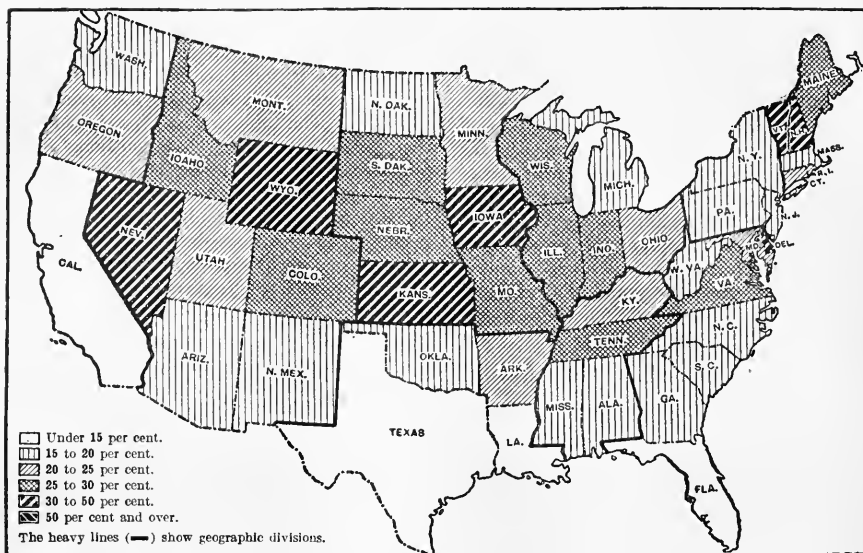
DISTRIBUTION OF TOTAL POPULATION OF EACH STATE, BY PLACE OF BIRTH: 1910.



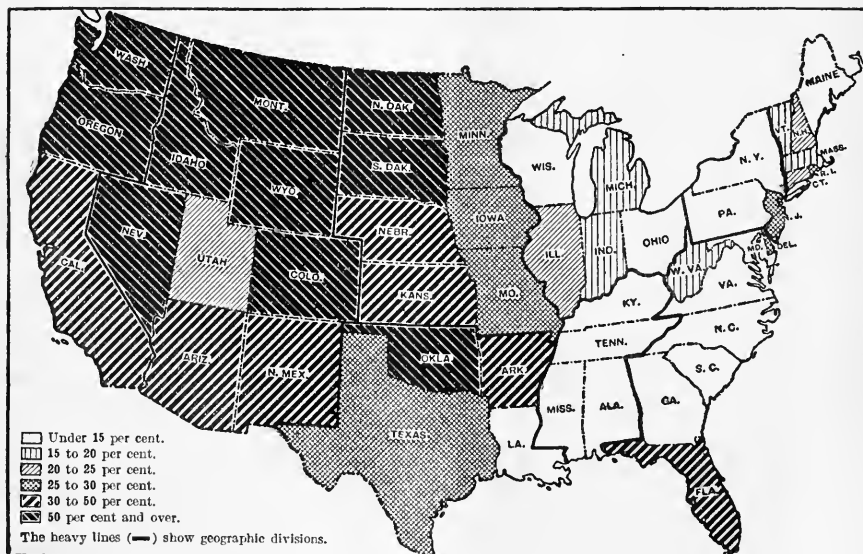
DISTRIBUTION OF NATIVES OF EACH STATE, BY PLACE OF RESIDENCE: 1910.



## PERCENTAGE OF POPULATION BORN IN EACH STATE LIVING IN OTHER STATES: 1910.



## PERCENTAGE OF NATIVE POPULATION LIVING IN EACH STATE BORN IN OTHER STATES: 1910.



POPULATION BORN IN EACH STATE, WITH NUMBER AND PERCENTAGE LIVING IN OTHER STATES, AND POPULATION LIVING IN EACH STATE, WITH NUMBER AND PERCENTAGE BORN IN OTHER STATES: 1910 AND 1900.

Table 14

STATE.	POPULATION BORN IN AND LIVING IN THE UNITED STATES <sup>1</sup> AND WITH STATE OF BIRTH REPORTED: 1910										POPULATION BORN IN AND LIVING IN THE UNITED STATES <sup>1</sup> AND WITH STATE OF BIRTH REPORTED: 1900									
	Born in the specified state.			Born in and living in the specified state.	Living in the specified state.			Gain (+) or loss (-) through inter-state migration.			Born in the specified state.			Born in and living in the specified state.	Living in the specified state.			Gain (+) or loss (-) through inter-state migration.		
	Total.	Living in other states.			Total.	Born in other states.					Total.	Living in other states.			Total.	Living in other states.				
		Number.	Per cent.			Number.	Per cent.					Number.	Per cent.			Number.	Per cent.			
United States ..	78,095,419	16,910,114	21.7	61,185,305	78,095,419	16,910,114	21.7	.....			65,402,767	13,501,045	20.6	51,901,722	65,402,767	13,501,045	20.6	.....		
NEW ENGLAND:																				
Maine.....	791,827	213,088	26.9	578,739	628,748	50,069	8.0	-163,079			777,057	216,551	27.9	560,506	597,594	37,088	6.2	-179,463		
New Hampshire.....	375,522	126,833	33.8	248,629	331,191	82,562	24.9	-44,331			367,094	124,048	33.8	243,046	320,899	77,823	24.3	-46,225		
Vermont.....	407,940	157,460	38.6	250,480	302,645	52,165	17.2	-105,295			416,672	168,542	40.4	248,130	295,859	47,729	16.1	-120,813		
Massachusetts.....	2,218,157	356,337	16.1	1,861,820	2,295,924	434,104	18.9	+77,767			1,842,703	299,614	16.3	1,543,089	1,944,216	401,127	20.6	+101,513		
Rhode Island.....	340,098	72,982	21.5	267,116	361,826	94,710	26.2	+21,728			275,119	61,358	22.3	213,761	292,656	78,895	27.0	+17,537		
Connecticut.....	773,671	166,597	21.5	607,074	781,754	174,680	22.3	+8,083			659,629	142,254	21.6	517,375	668,315	150,940	22.6	+8,666		
MIDDLE ATLANTIC:																				
New York.....	6,964,461	1,317,398	18.9	5,647,063	6,333,679	686,616	10.8	-630,782			6,123,807	1,289,866	21.1	4,833,941	5,337,873	503,932	9.4	-785,934		
New Jersey.....	1,614,674	270,510	16.8	1,344,164	1,869,239	525,075	28.1	+254,565			1,296,047	231,648	17.9	1,064,399	1,447,266	382,867	26.5	+151,219		
Pennsylvania.....	6,763,717	1,125,454	16.6	5,638,263	6,207,467	569,204	9.2	-556,250			5,758,263	937,463	16.3	4,820,800	5,304,828	484,028	9.1	-453,433		
E. NORTH CENTRAL:																				
Ohio.....	4,713,009	1,166,018	24.7	3,546,991	4,154,343	607,352	14.6	-558,666			4,304,002	1,114,165	25.9	3,189,837	3,687,517	497,680	13.5	-616,485		
Indiana.....	2,805,516	774,171	27.6	2,031,345	2,532,765	501,420	19.8	-272,751			2,517,668	641,280	25.5	1,876,388	2,368,859	492,471	20.8	-148,809		
Illinois.....	4,714,723	1,308,085	27.7	3,406,638	4,403,827	997,189	22.6	-310,896			3,906,494	1,012,637	25.9	2,893,857	3,837,761	943,904	24.6	-68,733		
Michigan.....	2,168,645	407,560	18.8	1,761,085	2,197,411	436,326	19.9	-28,766			1,744,352	288,737	16.6	1,455,615	1,863,169	407,554	21.9	+118,817		
Wisconsin.....	2,077,862	519,407	25.0	1,558,455	1,814,984	256,529	14.1	-262,878			1,687,940	383,022	22.7	1,304,918	1,547,701	242,783	15.7	-140,230		
W. NORTH CENTRAL:																				
Minnesota.....	1,446,106	324,730	22.5	1,121,376	1,523,513	402,137	26.4	+77,407			1,062,813	168,794	15.9	894,019	1,239,020	345,001	27.8	+176,307		
Iowa.....	2,218,420	801,836	36.1	1,416,584	1,941,358	524,774	27.0	-277,062			1,872,717	554,340	29.6	1,318,377	1,918,730	600,353	31.3	+46,013		
Missouri.....	3,141,883	918,958	29.2	2,222,925	3,045,665	822,738	27.0	-96,220			2,650,268	614,957	23.2	2,035,311	2,879,507	844,256	29.3	+229,299		
North Dakota.....	245,810	47,963	19.5	197,847	414,843	216,996	52.3	+169,033			132,894	24,164	18.2	108,730	204,518	95,788	46.8	+71,024		
South Dakota.....	305,604	80,479	26.3	225,125	479,887	254,762	53.1	+174,283			203,561	43,341	21.3	160,220	311,165	150,945	48.5	+107,004		
Nebraska.....	839,783	244,232	29.1	595,551	1,009,607	414,056	41.0	+169,824			606,342	145,280	24.0	461,062	885,678	424,616	47.9	+279,336		
Kansas.....	1,251,574	427,946	34.2	823,628	1,546,596	722,968	46.7	+293,022			920,124	289,803	31.5	630,321	1,338,657	708,336	52.9	+418,533		
SOUTH ATLANTIC:																				
Delaware.....	197,813	60,682	30.7	137,131	184,416	47,285	25.6	-13,397			185,064	55,518	30.0	129,546	170,451	40,935	24.0	-14,363		
Maryland.....	1,297,179	270,824	20.9	1,026,355	1,188,138	161,783	13.6	-109,041			1,199,255	242,638	20.2	956,617	1,091,754	135,137	12.4	-107,501		
Dist. Columbia.....	185,453	46,102	24.9	139,351	303,974	164,623	54.2	+118,521			154,848	34,953	22.6	119,895	258,067	138,172	53.5	+103,219		
Virginia.....	2,464,845	621,693	25.2	1,843,152	2,032,038	188,886	9.3	-432,807			2,287,871	587,418	25.7	1,700,453	1,832,615	132,162	7.2	-455,266		
West Virginia.....	1,118,754	187,667	16.8	931,077	1,161,002	229,925	19.8	-42,248			887,896	122,330	13.8	765,566	933,668	168,102	18.0	+45,772		
North Carolina.....	2,470,495	380,767	15.4	2,089,728	2,198,333	108,605	4.9	-272,162			2,133,653	329,625	15.4	1,804,028	1,887,399	83,371	4.4	-246,254		
South Carolina.....	1,692,548	261,520	15.5	1,431,028	1,508,024	76,996	5.1	-184,524			1,512,864	233,292	15.4	1,279,572	1,334,090	54,518	4.1	-178,774		
Georgia.....	2,828,309	463,960	16.4	2,364,349	2,585,894	221,545	8.6	-242,415			2,420,707	410,299	16.9	2,010,408	2,200,295	189,887	8.6	-220,412		
Florida.....	515,428	52,425	10.2	463,003	707,839	244,836	34.6	+192,411			379,417	36,699	9.6	342,818	602,648	159,830	31.8	+123,321		
E. SOUTH CENTRAL:																				
Kentucky.....	2,704,675	673,290	24.9	2,031,385	2,246,902	215,517	9.6	-457,773			2,427,381	542,043	22.3	1,885,338	2,092,777	207,439	9.9	-334,004		
Tennessee.....	2,544,434	671,207	26.4	1,873,227	2,159,646	286,419	13.3	-384,788			2,300,392	566,405	24.6	1,733,987	1,999,357	265,370	13.3	-301,035		
Alabama.....	2,316,790	458,874	19.8	1,857,916	2,114,947	257,031	12.2	-201,843			1,975,215	397,845	20.1	1,577,370	1,811,114	233,744	12.9	-164,101		
Mississippi.....	1,915,124	351,285	18.3	1,563,839	1,782,607	218,768	12.3	-132,517			1,622,178	296,181	18.3	1,325,997	1,541,286	215,289	14.0	-89,012		
W. SOUTH CENTRAL:																				
Arkansas.....	1,397,657	341,717	24.4	1,055,940	1,550,015	494,075	31.9	+152,358			1,073,631	223,868	20.9	849,763	1,293,303	443,540	34.3	+219,672		
Louisiana.....	1,599,273	193,337	12.1	1,405,936	1,596,245	190,309	11.9	-3,028			1,301,714	132,405	10.2	1,169,309	1,326,219	156,910	11.8	+24,505		
Oklahoma.....	626,452	111,246	17.8	515,212	1,008,056	1,092,844	66.0	+981,604			240,742	31,678	13.2	209,064	765,867	556,803	72.7	+525,125		
Texas.....	3,135,026	404,269	12.9	2,730,757	3,638,665	907,908	25.0	+303,639			2,239,298	207,723	9.3	2,031,575	2,859,430	827,855	29.0	+620,132		
MOUNTAIN:																				
Montana.....	132,164	32,850	24.9	99,314	277,097	177,783	64.2	+144,933			76,743	14,044	18.3	62,699	174,316	111,617	64.0	+97,573		
Idaho.....	122,385	32,163	26.3	90,225	280,288	190,065	67.8	+157,900			60,496	12,074	20.0	48,422	136,544	88,122	64.5	+76,468		
Wyoming.....	51,079	19,297	37.8	31,782	116,051	84,265	72.6	+64,972			30,167	10,660	35.3	19,507	74,750	55,243	73.9	+44,583		
Colorado.....	323,334	89,818	27.8	233,516	663,780	430,264	64.8	+340,446			193,907	42,226	21.8	151,681	442,877	291,196	65.8	+248,970		
New Mexico.....	218,693	33,944	15.5	184,749	302,703	117,954	39.0	+84,010			162,967	19,751	12.1	143,216	181,029	37,804	20.9	+18,053		
Arizona.....	96,273	17,324	18.0	78,949	153,648	74,699	48.6	+57,375			59,310	6,530	11.0	52,780	97,949	45,169	46.1	+38,639		
Utah.....	304,968	61,914	20.3	243,054	303,709	60,655	20.0	-1,259			220,420	38,534	17.5	181,886	222,032	40,146	18.1	+1,612		
Nevada.....	40,397	18,757	46.4	21,640	61,340	39,700	64.7	+20,943			31,848	13,911	43.7	17,937	31,981	14,044	43.9	+133		
PACIFIC:																				
Washington.....	318,619	55,925	17.6	262,694	870,920	608,226	69.8	+552,301			159,918	26,983	16.9	132,935	398,542	265,607	66.6	+238,624		
Oregon.....	293,640	68,538	23.3	225,102	554,640	329,538	59.4	+261,000			208,011	43,580	21.0	164,431	345,520	181,089	52.4	+137,369		
California.....	1,604,607	100,611	10.0	903,996	1,767,232	863,236	48.8	+762,623			731,348	70,008	9.6	661,280	1,105,108	443,828	40.2	+373,760		



WHITE AND NEGRO POPULATION BORN IN EACH STATE, WITH NUMBER AND PERCENTAGE LIVING IN OTHER STATES, AND WHITE AND NEGRO POPULATION LIVING IN EACH STATE, WITH NUMBER AND PERCENTAGE BORN IN OTHER STATES: 1910.

Table 15

STATE.	WHITE PERSONS BORN IN AND LIVING IN THE UNITED STATES <sup>1</sup> AND WITH STATE OF BIRTH REPORTED.							NEGRO PERSONS BORN IN AND LIVING IN THE UNITED STATES <sup>1</sup> AND WITH STATE OF BIRTH REPORTED.						
	Born in the specified state.			Living in the specified state.			Gain (+) or loss (-) through inter-state migration.	Born in the specified state.			Living in the specified state.			Gain (+) or loss (-) through inter-state migration.
	Total.	Number.	Per cent.	Total.	Number.	Per cent.		Total.	Number.	Per cent.	Total.	Number.	Per cent.	
United States	88,070,294	15,264,203	22.4	52,806,091	68,070,294	15,264,203	22.4	9,748,043	1,616,608	16.6	8,129,435	9,748,043	1,616,608	16.6
NEW ENGLAND:														
Maine	789,434	212,251	26.9	577,183	626,821	49,641	7.9	1,585	783	49.4	802	1,112	310	27.9
New Hampshire	374,992	126,409	33.8	248,583	330,644	82,261	24.9	506	272	53.8	234	515	281	54.6
Vermont	406,871	156,838	38.5	250,033	301,082	51,049	17.0	1,045	608	58.2	437	1,546	1,109	71.7
Massachusetts	2,198,323	332,104	16.0	1,846,219	2,262,899	416,680	18.4	19,078	4,125	21.6	14,953	31,641	16,688	52.7
Rhode Island	334,490	71,643	21.4	262,847	332,889	90,042	25.5	5,401	1,317	24.4	4,084	8,597	4,513	52.5
Connecticut	763,296	163,630	21.4	599,666	766,819	167,153	21.8	10,184	2,888	28.4	7,296	14,698	7,402	50.4
MIDDLE ATLANTIC:														
New York	6,896,408	1,304,893	18.9	5,591,515	6,207,015	615,500	9.9	61,580	11,880	19.2	49,750	120,029	70,279	58.6
New Jersey	1,569,239	262,143	16.7	1,307,096	1,781,082	473,986	26.6	45,312	8,295	18.3	37,017	87,762	50,745	57.8
Pennsylvania	6,658,068	1,104,976	16.6	5,553,092	6,014,940	461,848	7.7	105,253	20,293	19.3	84,960	190,738	105,778	55.5
E. NORTH CENTRAL:														
Ohio	4,636,712	1,148,992	24.8	3,487,720	4,044,406	556,686	13.8	76,044	16,850	22.2	59,194	109,643	50,449	46.0
Indiana	2,770,353	764,460	27.6	2,005,893	2,472,618	466,725	18.9	34,794	9,570	27.5	25,224	59,812	34,588	57.8
Illinois	4,665,846	1,295,278	27.8	3,370,568	4,296,965	926,397	21.6	48,564	12,647	26.0	35,917	106,141	70,224	66.2
Michigan	2,149,417	403,666	18.8	1,745,751	2,175,508	429,757	19.8	11,576	3,384	29.2	8,192	14,516	6,324	43.6
Wisconsin	2,065,339	517,566	25.1	1,547,773	1,802,096	254,313	14.1	2,248	1,077	47.9	1,172	2,763	1,592	57.6
W. NORTH CENTRAL:														
Minnesota	1,433,733	322,375	22.5	1,111,358	1,507,389	396,031	26.3	2,738	1,182	43.2	1,556	6,688	5,132	76.7
Iowa	2,209,192	798,185	36.1	1,411,007	1,926,282	515,275	26.7	8,736	3,483	39.9	5,253	14,702	9,449	64.3
Missouri	2,931,932	879,112	29.9	2,052,820	2,890,627	777,267	26.9	149,218	39,269	26.3	109,949	155,248	45,299	29.2
North Dakota	239,110	46,068	19.5	192,442	408,237	215,795	52.9	297	195	65.7	102	592	490	82.8
South Dakota	288,453	78,975	27.4	209,478	400,579	231,101	51.5	436	356	71.9	139	782	643	82.2
Nebraska	832,777	241,309	29.0	591,468	998,757	407,289	40.8	2,846	1,189	41.8	1,657	7,397	5,740	77.6
Kansas	1,214,987	415,583	34.2	799,404	1,491,029	691,625	46.4	33,786	10,852	32.1	22,934	53,204	30,270	56.9
SOUTH ATLANTIC:														
Delaware	165,143	50,680	30.7	114,463	153,347	38,884	25.4	32,664	9,996	30.6	22,668	31,067	8,999	27.0
Maryland	1,034,596	209,854	20.3	824,742	956,638	131,896	13.8	262,540	60,946	23.2	201,594	291,363	29,769	12.9
Dist. Columbia	133,056	34,213	25.7	98,843	210,293	111,452	53.0	52,282	11,823	22.6	40,459	93,517	53,058	56.7
Virginia	1,587,404	368,233	23.2	1,219,171	1,361,422	142,251	10.4	876,806	233,334	28.9	623,472	670,462	46,570	7.0
West Virginia	1,082,284	178,399	16.5	903,885	1,097,205	193,320	17.6	36,417	9,257	25.4	27,160	62,733	35,573	57.4
North Carolina	1,655,835	327,229	19.8	1,328,606	1,493,679	165,073	5.0	806,537	143,143	17.7	663,394	696,786	33,392	4.8
South Carolina	735,470	125,793	17.1	609,677	672,555	62,878	9.3	956,605	135,547	14.2	821,058	835,126	14,068	1.7
Georgia	1,579,236	312,219	19.8	1,267,017	1,412,666	145,649	10.3	1,248,352	151,095	12.1	1,097,257	1,173,078	75,821	6.5
Florida	300,195	35,740	11.9	264,455	407,958	143,503	35.2	215,110	16,614	7.7	198,496	299,774	101,278	33.8
E. SOUTH CENTRAL:														
Kentucky	2,380,324	582,790	24.5	1,797,534	1,985,732	187,998	9.5	323,794	90,340	27.9	233,454	260,916	27,462	10.5
Tennessee	2,026,788	546,886	27.0	1,479,902	1,686,549	206,647	12.4	517,122	121,899	24.0	395,173	470,878	77,705	16.5
Alabama	1,344,469	327,302	24.3	1,017,167	1,208,219	190,952	15.8	131,346	13,134	13.5	839,821	905,802	65,981	7.3
Mississippi	880,060	217,163	24.7	662,897	775,176	112,279	14.5	104,884	13,275	12.6	899,600	1,006,126	106,436	10.6
W. SOUTH CENTRAL:														
Arkansas	1,062,034	302,387	28.5	759,647	1,109,436	349,789	31.5	334,589	38,549	11.5	296,040	440,105	144,065	32.7
Louisiana	871,758	109,389	12.5	762,369	884,532	122,163	13.8	726,496	83,763	11.5	642,733	710,795	68,022	9.6
Oklahoma	507,652	104,647	20.6	403,005	1,397,343	994,338	71.2	51,334	3,538	10.4	45,796	136,396	90,420	66.3
Texas	2,468,356	340,933	13.8	2,127,423	2,933,309	805,886	28.0	664,823	62,062	9.3	602,761	684,644	81,883	12.0
MOUNTAIN:														
Montana	121,348	31,476	25.9	89,907	264,861	174,954	66.1	665	326	49.0	339	1,706	1,367	80.1
Idaho	118,618	31,301	26.4	87,317	276,160	188,843	68.5	468	399	85.3	69	608	539	88.7
Wyoming	48,574	18,167	37.3	30,407	112,369	82,162	73.1	314	161	51.3	153	2,146	1,993	92.9
Colorado	317,945	87,681	27.6	230,264	651,149	420,885	64.0	3,513	1,357	38.6	2,156	11,096	8,940	80.6
New Mexico	197,037	32,770	16.6	164,267	260,602	116,335	41.5	941	531	56.4	410	1,577	1,167	74.0
Arizona	66,295	15,816	23.9	50,479	122,883	72,404	58.9	538	251	46.7	287	1,945	1,658	85.2
Utah	302,021	61,442	20.3	240,579	299,582	59,003	19.7	527	365	69.3	162	1,909	847	83.9
Nevada	34,852	18,057	51.8	16,795	55,602	38,807	69.8	376	332	88.3	44	484	440	90.9
PACIFIC:														
Washington	305,022	54,050	17.7	250,972	853,494	602,522	70.6	1,546	1,012	65.5	534	5,591	5,057	90.4
Oregon	287,645	67,573	23.5	220,072	547,322	327,250	59.8	398	204	51.3	194	1,387	1,193	86.0
California	967,300	94,467	9.8	872,833	1,719,712	846,879	49.2	6,318	1,238	19.9	5,080	20,260	15,200	75.0

<sup>1</sup> Exclusive of onlyling possessions.



## NATIVE POPULATION OF THE UNITED STATES, BY DIVISIONS AND STATES, CLASSIFIED ACCORDING TO DIVISION AND STATE IN WHICH BORN: 1910.

Table 16 DIVISION OR STATE OF RESIDENCE.	Total native born: 1910	POPULATION BORN IN—											State not specified.	Out- lying pos- sessions. <sup>1</sup>
		United States.	Geographic division.											
			New Eng- land.	Middle Atlantic.	East North Central.	West North Central.	South Atlantic.	East South Central.	West South Central.	Mountain.	Pacific.			
<b>United States.....</b>	<b>78,456,380</b>	<b>78,381,104</b>	<b>4,907,215</b>	<b>15,342,552</b>	<b>16,479,755</b>	<b>9,449,180</b>	<b>12,770,824</b>	<b>9,481,023</b>	<b>6,758,408</b>	<b>1,289,296</b>	<b>1,616,866</b>	<b>285,685</b>	<b>75,276</b>	
<b>GEOGRAPHIC DIVISIONS:</b>														
New England.....	4,727,571	4,713,412	4,338,452	252,917	38,219	13,664	40,741	5,428	4,164	3,940	5,493	11,324	14,159	
Middle Atlantic.....	14,444,719	14,449,409	219,782	13,461,446	215,559	50,210	393,230	29,992	14,777	11,997	13,302	39,024	15,310	
East North Central.....	15,176,855	15,161,277	97,614	658,099	13,402,685	337,230	203,063	339,296	32,229	17,919	15,195	57,947	15,578	
West North Central.....	10,021,226	10,014,417	73,396	338,310	1,420,484	7,608,995	122,027	236,067	105,493	38,351	17,744	52,950	6,869	
South Atlantic.....	11,894,901	11,892,399	29,808	200,437	114,568	23,632	11,292,714	182,969	17,386	3,879	4,335	22,741	2,302	
East South Central.....	8,322,076	8,321,346	5,406	27,568	134,358	29,333	329,067	7,062,342	81,925	2,375	1,728	17,244	730	
West South Central.....	4,432,342	4,429,177	11,368	61,474	313,673	497,604	275,645	859,862	6,317,152	17,378	8,535	36,196	3,165	
Mountain.....	2,180,195	2,176,096	31,132	110,724	293,310	383,584	44,874	57,317	87,482	1,101,006	19,187	17,450	4,129	
Pacific.....	3,236,495	3,223,691	100,257	232,777	546,899	504,928	69,463	77,230	67,300	92,451	1,501,287	30,899	12,894	
<b>NEW ENGLAND:</b>														
Maine.....	631,809	630,639	614,579	7,065	2,610	1,472	1,491	421	233	344	593	1,291	1,770	
New Hampshire.....	333,905	332,296	317,369	9,183	1,952	857	925	229	178	228	270	1,105	1,609	
Vermont.....	306,635	303,826	275,058	22,046	2,204	1,127	982	516	203	271	238	1,181	2,209	
Massachusetts.....	2,307,171	2,300,413	2,133,335	161,800	21,124	7,084	22,659	2,411	2,422	1,938	3,291	4,489	6,758	
Rhode Island.....	363,469	362,757	332,191	18,648	3,672	998	5,283	331	408	338	357	931	712	
Connecticut.....	785,182	784,081	665,920	93,275	7,257	2,126	10,091	920	720	821	714	2,327	1,101	
<b>MIDDLE ATLANTIC:</b>														
New York.....	6,365,603	6,355,376	154,921	5,911,363	96,261	25,680	106,686	15,214	9,007	6,117	8,430	21,697	10,227	
New Jersey.....	1,876,379	1,874,577	36,003	1,730,410	20,169	5,643	67,401	3,855	2,099	1,946	1,803	5,338	1,802	
Pennsylvania.....	6,222,737	6,219,456	28,858	5,919,673	99,129	18,887	219,143	10,923	3,761	3,934	3,159	11,989	3,281	
<b>EAST NORTH CENTRAL:</b>														
Ohio.....	4,168,747	4,166,373	17,739	209,983	3,684,342	29,141	106,584	95,504	5,662	2,820	2,568	12,630	2,374	
Indiana.....	2,541,213	2,540,456	5,741	33,704	2,296,222	30,955	32,051	105,701	4,656	2,299	1,436	7,691	757	
Illinois.....	4,433,277	4,429,948	37,533	180,850	3,785,932	190,546	51,057	125,716	18,108	7,728	6,357	26,121	3,329	
Michigan.....	2,212,623	2,204,978	19,670	153,870	1,976,061	23,752	8,952	7,851	2,368	2,627	2,260	7,567	7,645	
Wisconsin.....	1,820,995	1,819,522	16,931	59,692	1,600,128	62,836	4,419	4,524	1,435	2,445	2,574	5,368	1,473	
<b>WEST NORTH CENTRAL:</b>														
Minnesota.....	1,532,113	1,530,532	23,251	53,756	190,064	1,227,121	6,266	5,496	1,948	3,931	2,680	7,019	1,581	
Iowa.....	1,951,006	1,949,754	14,523	79,491	286,047	1,517,802	17,754	13,653	4,626	4,721	2,679	8,396	1,252	
Missouri.....	3,063,556	3,062,454	10,310	53,529	337,038	2,366,528	51,124	153,191	55,730	7,617	4,596	16,791	1,102	
North Dakota.....	420,402	419,744	3,559	13,449	69,498	319,883	3,304	1,826	812	1,639	873	4,901	658	
South Dakota.....	493,098	492,617	4,361	17,673	86,130	300,160	3,322	2,430	1,438	3,347	1,066	2,730	481	
Nebraska.....	1,015,532	1,014,745	8,058	47,209	161,283	755,729	12,135	9,954	4,920	8,012	2,307	5,138	807	
Kansas.....	1,555,499	1,554,571	9,334	67,263	281,424	1,061,712	28,122	50,115	35,990	9,684	3,603	7,975	928	
<b>SOUTH ATLANTIC:</b>														
Delaware.....	184,830	184,764	1,073	21,159	1,140	395	160,133	291	81	65	79	348	66	
Maryland.....	1,199,402	1,189,881	4,937	53,645	8,933	2,962	1,112,457	2,750	1,162	559	733	1,743	521	
District of Columbia.....	306,167	305,742	7,346	26,702	12,317	4,267	245,565	4,637	1,812	621	767	1,768	435	
Virginia.....	2,034,555	2,034,169	3,909	25,469	12,457	4,172	1,978,809	23,827	1,837	800	698	2,131	356	
West Virginia.....	1,163,961	1,163,706	1,258	43,086	51,841	2,773	1,037,326	22,530	916	501	971	2,704	195	
North Carolina.....	2,290,195	2,290,055	1,737	5,968	3,542	1,371	2,172,504	11,349	1,375	255	232	1,722	140	
South Carolina.....	1,509,221	1,509,132	1,033	2,789	1,467	556	1,495,677	5,342	806	180	84	1,108	89	
Georgia.....	2,593,644	2,593,323	2,841	8,441	8,216	2,957	2,493,462	63,949	5,148	516	364	7,429	321	
Florida.....	711,986	711,627	5,614	13,178	14,655	4,239	616,781	48,424	4,159	382	407	3,788	559	
<b>EAST SOUTH CENTRAL:</b>														
Kentucky.....	2,249,743	2,249,528	1,527	9,166	81,926	10,241	36,254	2,101,159	5,406	696	524	2,626	215	
Tennessee.....	2,166,182	2,165,940	1,970	9,475	29,418	10,619	95,981	1,991,067	19,587	854	645	6,294	242	
Alabama.....	2,118,807	2,118,630	1,335	6,357	14,507	4,144	148,212	1,928,437	11,106	340	309	3,689	171	
Mississippi.....	1,787,344	1,787,242	574	2,570	8,507	4,329	88,620	1,671,649	45,823	285	250	4,353	102	
<b>WEST SOUTH CENTRAL:</b>														
Arkansas.....	1,557,403	1,557,208	1,271	7,231	64,668	69,155	65,433	211,402	1,128,312	1,548	975	7,193	195	
Louisiana.....	1,603,622	1,603,641	1,599	6,655	13,070	9,980	27,476	89,467	1,446,748	599	651	6,796	581	
Oklahoma.....	1,616,713	1,616,206	3,018	24,503	157,663	326,989	52,094	167,345	806,750	6,810	2,884	8,150	307	
Texas.....	3,654,094	3,652,722	5,480	23,085	78,272	91,480	130,622	391,638	2,905,642	8,421	4,025	14,657	1,882	
<b>MOUNTAIN:</b>														
Montana.....	281,340	280,585	6,012	17,896	54,938	69,422	5,419	5,687	3,626	108,402	5,725	3,488	755	
Idaho.....	282,425	282,425	3,269	11,447	41,133	58,419	6,307	5,465	5,268	139,156	18,844	2,137	391	
Wyoming.....	116,945	116,751	2,110	8,055	18,979	33,619	3,027	2,836	2,640	43,194	1,191	700	694	
Colorado.....	669,437	668,534	12,772	50,339	124,890	165,600	16,800	20,230	16,384	252,319	4,246	4,754	903	
New Mexico.....	304,155	303,847	1,246	5,292	18,672	24,039	5,172	13,275	43,129	191,282	1,196	1,114	338	
Arizona.....	155,580	155,005	1,987	6,324	14,057	12,263	3,732	5,428	13,336	89,435	7,096	1,357	584	
Utah.....	307,529	306,928	1,927	6,960	13,402	13,623	3,114	3,656	1,587	257,387	2,623	3,219	601	
Nevada.....	62,184	62,021	1,806	4,411	7,839	6,599	1,303	1,340	1,312	28,461	8,266	681	163	
<b>* PACIFIC:</b>														
Washington.....	885,749	882,241	22,979	60,709	193,141	106,425	23,108	21,415	15,186	27,993	310,024	11,321	3,308	
Oregon.....	559,629	558,369	9,902	30,888	96,802	105,334	10,577	12,098	10,311	17,675	260,794	3,729	1,290	
California.....	1,791,117	1,782,991	67,316	141,180	256,966	202,969	35,778	43,717	42,003	46,844	930,469	15,759	8,126	

<sup>1</sup> Includes also persons born at sea under United States flag and American citizens born abroad.

## NATIVE POPULATION OF THE UNITED STATES, BY DIVISIONS AND STATES, CLASSIFIED ACCORDING TO DIVISION AND STATE IN WHICH BORN: 1910—Continued.

Table 16—Continued.

DIVISION OR STATE OF RESIDENCE.	POPULATION BORN IN—													
	New England division.					Middle Atlantic division.			East North Central division.					
	Maine.	New Hampshire.	Vermont.	Massachusetts.	Rhode Island.	Connecticut.	New York.	New Jersey.	Pennsylvania.	Ohio.	Indiana.	Illinois.	Michigan.	Wisconsin.
<b>United States</b> .....	<b>791,827</b>	<b>375,522</b>	<b>407,940</b>	<b>2,218,157</b>	<b>340,098</b>	<b>773,671</b>	<b>6,964,461</b>	<b>1,614,674</b>	<b>6,763,717</b>	<b>4,713,009</b>	<b>2,805,516</b>	<b>4,714,723</b>	<b>2,168,645</b>	<b>2,077,862</b>
<b>GEOGRAPHIC DIVISIONS:</b>														
New England.....	700,758	340,038	322,744	1,999,329	311,780	603,797	195,278	22,778	33,961	10,686	3,069	10,786	9,027	4,651
Middle Atlantic.....	17,761	9,227	28,466	89,151	13,663	61,514	6,014,659	1,509,815	5,936,972	110,773	19,649	41,463	30,579	13,095
East North Central.....	13,650	7,096	18,755	37,836	3,900	16,377	325,116	26,779	306,204	3,954,072	2,296,813	3,592,291	1,896,829	1,662,580
West North Central.....	16,461	6,364	16,343	22,547	2,476	9,205	159,935	14,423	163,952	264,974	225,460	614,506	77,362	238,182
South Atlantic.....	4,867	2,061	2,524	12,527	2,173	5,656	51,334	15,808	133,295	71,981	13,421	15,036	9,153	4,977
East South Central.....	811	393	543	2,365	335	959	11,537	1,530	14,501	55,857	43,762	25,246	6,117	3,376
West South Central.....	2,336	926	1,668	4,284	552	1,602	26,505	3,228	31,741	62,551	78,462	144,086	15,486	13,083
Mountain.....	7,675	2,358	4,870	11,274	1,142	3,813	52,284	6,301	52,139	63,108	44,942	104,813	36,569	43,878
Pacific.....	27,508	7,059	12,027	38,844	4,071	10,748	127,813	14,012	90,952	119,007	79,938	166,396	87,323	94,635
<b>NEW ENGLAND:</b>														
Maine.....	578,739	10,621	2,569	19,899	1,251	1,500	4,583	695	1,727	704	244	559	644	459
New Hampshire.....	15,992	248,629	19,663	30,090	1,358	1,637	7,490	647	1,046	424	125	513	598	292
Vermont.....	2,442	9,794	250,480	10,389	546	1,407	20,599	450	997	505	135	608	446	510
Massachusetts.....	94,515	64,593	41,439	1,861,820	32,553	38,505	77,522	8,677	15,661	5,787	1,612	6,253	5,230	2,242
Rhode Island.....	4,778	3,261	3,032	40,330	207,116	13,674	12,375	2,335	3,738	954	280	753	701	384
Connecticut.....	4,202	3,250	5,561	36,801	8,962	607,074	72,709	9,974	10,592	2,312	673	2,100	1,408	764
<b>MIDDLE ATLANTIC:</b>														
New York.....	11,188	6,198	24,013	60,900	8,740	43,882	5,647,063	99,068	165,232	34,913	8,619	23,635	20,804	8,299
New Jersey.....	3,207	1,630	2,043	15,149	2,614	11,280	252,769	1,344,164	133,477	7,945	2,261	5,702	2,777	1,454
Pennsylvania.....	3,276	1,409	2,410	13,102	2,309	6,352	114,827	66,583	5,638,263	67,915	8,778	12,126	6,998	3,312
<b>EAST NORTH CENTRAL:</b>														
Ohio.....	1,675	1,127	2,394	7,614	788	4,141	57,368	6,740	145,875	3,546,991	66,794	25,753	38,921	5,883
Indiana.....	686	443	840	2,402	290	1,080	16,771	2,933	34,000	157,119	2,031,345	80,527	22,266	4,865
Illinois.....	4,515	2,895	6,433	16,280	1,609	5,801	92,300	10,434	78,116	122,391	143,188	3,406,638	46,419	67,296
Michigan.....	2,913	1,377	4,334	6,889	661	3,496	116,847	4,525	32,498	109,932	45,597	33,366	1,761,085	26,081
Wisconsin.....	3,861	1,254	4,754	4,651	552	1,859	41,830	2,147	15,715	17,639	9,899	46,107	28,038	1,558,455
<b>WEST NORTH CENTRAL:</b>														
Minnesota.....	8,024	1,927	4,467	6,234	618	1,981	35,460	2,025	16,271	18,226	11,681	46,192	26,217	96,748
Iowa.....	2,142	1,535	4,237	4,112	499	1,998	36,143	3,183	40,165	61,851	37,852	138,310	9,511	38,523
Missouri.....	1,403	759	1,474	4,529	484	1,661	26,173	3,107	30,249	64,616	64,237	186,691	10,124	11,370
North Dakota.....	1,036	275	780	991	99	378	7,554	466	5,429	6,499	9,416	16,903	6,677	30,003
South Dakota.....	947	384	1,205	1,196	141	488	10,160	646	6,867	8,682	7,498	32,369	6,380	31,210
Nebraska.....	1,318	690	1,909	2,497	329	1,315	21,019	2,231	23,959	31,204	25,483	77,709	8,243	18,644
Kansas.....	1,591	794	2,271	2,988	306	1,384	23,426	2,765	41,012	73,896	69,293	116,341	10,210	11,684
<b>SOUTH ATLANTIC:</b>														
Delaware.....	135	69	77	405	73	314	2,560	2,825	15,774	425	159	275	210	71
Maryland.....	979	199	316	2,197	353	893	9,517	3,491	40,637	4,151	1,255	1,792	1,129	606
District of Columbia.....	1,101	568	682	3,254	506	1,235	11,536	2,653	12,513	5,093	2,659	2,774	1,449	942
Virginia.....	605	268	276	1,734	298	768	8,850	2,803	13,816	5,438	1,697	2,167	1,784	1,371
West Virginia.....	248	100	157	524	68	161	3,501	841	38,744	46,814	2,550	1,200	760	297
North Carolina.....	268	141	203	668	134	323	2,315	590	3,063	1,393	818	660	469	202
South Carolina.....	126	74	82	408	186	157	1,365	299	1,125	542	261	339	218	107
Georgia.....	388	179	241	1,236	231	546	4,433	889	3,119	3,222	1,752	1,865	972	405
Florida.....	1,017	463	490	2,061	324	1,259	7,257	1,417	4,504	4,903	2,870	3,744	2,162	976
<b>EAST SOUTH CENTRAL:</b>														
Kentucky.....	163	73	125	811	96	259	3,614	532	5,020	38,857	30,830	10,188	1,328	723
Tennessee.....	317	164	239	780	128	342	4,181	535	4,759	10,229	7,812	7,726	2,494	1,157
Alabama.....	213	108	117	554	86	257	2,509	328	3,320	4,955	2,974	4,129	1,388	1,061
Mississippi.....	118	48	62	220	25	101	1,233	135	1,202	1,816	2,146	3,203	907	435
<b>WEST SOUTH CENTRAL:</b>														
Arkansas.....	209	110	212	475	80	185	3,096	371	3,764	9,832	16,831	33,682	2,592	1,731
Louisiana.....	234	68	147	845	70	235	3,830	411	2,414	3,276	2,613	4,727	1,558	896
Oklahoma.....	642	275	633	909	126	433	8,392	976	15,135	33,094	41,249	71,085	6,115	6,120
Texas.....	1,251	473	676	2,055	276	749	11,187	1,470	10,428	16,349	17,769	34,592	5,221	4,341
<b>MOUNTAIN:</b>														
Montana.....	1,908	434	975	1,905	197	593	8,464	996	8,406	8,450	6,208	14,527	10,825	14,928
Idaho.....	1,048	233	550	1,034	99	305	5,237	510	5,700	7,039	5,545	13,172	6,126	9,251
Wyoming.....	414	207	366	801	94	228	3,640	422	3,993	4,323	3,047	7,331	1,751	2,527
Colorado.....	2,610	947	2,024	4,828	508	1,855	23,802	2,941	23,506	30,573	21,219	49,964	11,049	12,085
New Mexico.....	301	157	188	407	43	150	2,381	271	2,640	4,087	3,564	7,607	1,685	1,129
Arizona.....	477	126	273	793	67	251	3,082	424	2,818	3,549	2,289	4,700	2,100	1,419
Utah.....	394	138	285	787	78	245	3,385	442	3,163	3,169	2,029	5,024	1,760	1,420
Nevada.....	523	116	209	719	56	186	2,293	295	1,823	1,918	1,041	2,488	1,273	1,119
<b>PACIFIC:</b>														
Washington.....	8,050	1,593	2,939	7,511	707	2,179	31,706	2,707	26,296	32,849	23,773	51,163	38,089	47,267
Oregon.....	2,911	787	1,556	3,218	354	1,136	16,115	1,421	13,352	20,030	14,877	27,942	15,198	18,755
California.....	16,547	4,679	7,532	28,115	3,010	7,433	79,992	9,884	51,304	66,128	41,288	87,291	34,236	28,013

## NATIVE POPULATION OF THE UNITED STATES, BY DIVISIONS AND STATES, CLASSIFIED ACCORDING TO DIVISION AND STATE IN WHICH BORN: 1910—Continued.

Table 16—Contd.

Table 16—Contd.	POPULATION BORN IN—															
	West North Central division.							South Atlantic division.								
	Minne- sota.	Iowa.	Mis- souri.	North Dako- ta.	South Dako- ta.	Ne- braska.	Kansas.	Delaw- are.	Mary- land.	Dist. Colum- bia.	Vir- ginia.	West Vir- ginia.	North Caro- lina.	South Caro- lina.	Georgia.	Flori- da.
United States.....	1,446,106	2,218,420	3,141,883	245,810	305,604	839,793	1,251,574	197,813	1,297,179	185,453	2,464,845	1,118,754	2,470,495	1,692,548	2,828,309	515,428
GEOGRAPHIC DIVISIONS:																
New England.....	3,650	3,269	2,982	450	438	1,225	1,650	1,432	6,820	2,606	14,671	1,040	6,473	2,812	3,362	1,525
Middle Atlantic.....	7,041	11,628	18,162	950	1,348	4,233	6,848	38,390	106,081	15,165	132,960	30,311	34,747	15,931	14,316	5,329
E. North Central.....	52,494	95,656	115,335	4,979	8,194	23,126	37,446	3,040	27,800	3,732	63,717	65,718	20,561	4,971	10,942	2,562
W. North Central.....	1,247,409	1,805,901	2,453,608	216,743	265,289	686,087	933,628	1,690	14,667	2,025	51,076	21,337	16,410	3,697	9,416	1,709
South Atlantic.....	2,912	5,444	8,490	490	728	2,087	3,481	149,789	1,119,229	156,944	2,074,347	962,282	2,271,118	1,593,500	2,483,047	482,458
E. South Central.....	2,034	4,028	17,948	264	640	1,120	3,299	344	3,787	649	56,959	9,051	53,386	30,953	161,989	11,949
W. South Central.....	7,388	60,068	281,391	1,098	2,713	22,502	122,444	524	5,349	994	39,655	10,132	47,574	35,794	128,925	6,088
Mountain.....	35,109	101,362	111,730	7,145	9,878	50,820	67,540	903	4,676	1,088	12,277	7,740	8,021	1,935	7,138	1,006
Pacific.....	88,069	131,064	131,907	13,691	16,376	48,583	75,238	1,701	8,770	2,230	19,183	11,143	12,205	2,955	9,174	2,102
NEW ENGLAND:																
Maine.....	658	247	181	105	50	96	135	54	433	111	298	91	160	71	162	111
New Hampshire.....	232	237	136	48	42	67	95	36	174	77	272	45	107	59	97	58
Vermont.....	219	324	161	44	73	141	165	18	129	78	304	25	91	73	188	76
Massachusetts.....	1,875	1,672	1,752	169	167	604	845	681	3,820	1,394	7,961	457	3,832	1,624	1,787	803
Rhode Island.....	257	207	236	30	35	120	113	124	1,072	361	2,076	147	541	351	463	148
Connecticut.....	409	582	516	54	71	197	297	519	1,492	585	3,760	275	1,742	634	665	329
MIDDLE ATLANTIC:																
New York.....	4,388	6,126	8,516	518	705	2,276	3,151	3,048	17,360	6,309	40,856	2,646	14,450	10,098	8,692	3,227
New Jersey.....	775	1,342	2,655	98	164	449	760	8,423	15,545	2,589	26,177	1,000	7,720	2,727	2,284	936
Pennsylvania.....	1,878	4,160	7,591	334	479	1,508	2,937	26,919	73,176	6,267	65,927	26,665	12,577	3,106	3,340	1,166
EAST NORTH CENTRAL:																
Ohio.....	2,538	7,704	9,548	432	502	2,533	5,884	885	11,724	1,175	31,007	50,547	5,814	1,641	3,154	637
Indiana.....	1,854	7,246	11,595	429	406	2,471	6,954	572	3,485	368	11,736	5,194	8,183	630	1,581	302
Illinois.....	12,753	57,948	85,161	1,197	2,511	11,968	19,008	978	9,640	1,664	17,390	7,580	5,417	2,222	5,101	1,065
Michigan.....	4,594	6,446	4,475	989	1,280	2,547	3,421	373	1,839	368	2,531	1,746	867	280	670	278
Wisconsin.....	30,755	16,312	4,556	1,932	3,495	3,607	2,179	232	1,112	177	1,083	651	280	198	436	250
WEST NORTH CENTRAL:																
Minnesota.....	1,121,376	67,100	6,485	12,980	11,010	5,165	3,005	218	1,312	313	1,736	937	524	258	695	273
Iowa.....	16,669	1,416,584	39,664	1,361	8,545	21,724	13,406	333	2,980	211	7,056	3,654	2,081	314	900	225
Missouri.....	4,207	56,893	2,222,925	570	1,419	13,733	66,751	457	4,820	777	24,629	6,330	7,258	1,540	4,989	624
North Dakota.....	68,972	30,553	4,785	197,847	12,669	3,484	1,573	63	401	38	1,164	724	659	101	97	57
South Dakota.....	27,143	75,815	7,347	2,966	225,125	18,347	3,417	64	475	74	1,006	638	400	412	192	61
Nebraska.....	5,312	94,623	32,929	526	4,940	595,551	21,848	236	1,743	208	5,085	2,447	1,360	275	584	197
Kansas.....	3,730	64,333	139,803	493	1,642	28,083	823,628	319	3,236	404	10,400	6,607	4,128	797	1,959	272
SOUTH ATLANTIC:																
Delaware.....	409	104	119	35	19	30	48	137,131	19,779	294	2,156	187	320	106	97	63
Maryland.....	393	634	1,156	69	73	261	376	9,715	1,026,355	10,591	45,816	12,958	4,257	1,219	1,201	345
District of Columbia.....	603	1,098	1,387	72	114	332	601	806	41,523	139,351	52,714	2,444	4,482	1,995	1,888	362
Virginia.....	645	850	1,233	143	227	450	534	1,288	15,269	5,149	1,843,152	12,957	73,813	3,735	2,686	749
West Virginia.....	173	606	1,085	38	39	244	586	140	11,467	502	83,532	931,077	9,174	655	610	169
North Carolina.....	100	235	482	25	40	238	251	246	1,626	273	29,959	903	2,089,728	42,525	6,589	675
South Carolina.....	75	104	224	18	28	39	68	77	650	115	3,422	254	42,749	1,431,028	16,373	1,009
Georgia.....	355	771	1,131	33	98	212	357	160	1,398	418	8,709	492	28,953	72,891	2,364,349	16,092
Florida.....	326	1,042	1,583	57	90	281	660	226	1,142	251	4,907	1,010	17,642	39,346	89,254	463,003
EAST SOUTH CENTRAL:																
Kentucky.....	312	936	7,019	108	42	266	1,558	105	1,124	178	18,541	7,136	4,994	957	2,832	587
Tennessee.....	677	1,405	6,690	90	332	429	996	101	1,002	228	28,229	1,185	29,066	6,314	33,895	961
Alabama.....	441	857	1,862	49	199	268	468	88	812	163	7,638	488	8,772	14,237	107,643	8,371
Mississippi.....	604	830	2,377	17	67	157	277	50	849	80	7,351	242	10,554	9,445	17,619	2,230
WEST SOUTH CENTRAL:																
Arkansas.....	806	5,286	54,046	110	262	1,474	7,171	54	733	137	6,599	1,419	15,459	13,162	27,207	683
Louisiana.....	586	1,711	6,018	62	88	381	1,134	75	1,333	208	5,380	358	3,769	3,703	10,723	1,927
Oklahoma.....	3,553	41,186	162,266	448	1,513	16,844	101,179	151	1,216	217	9,960	5,949	9,483	4,015	20,485	727
Texas.....	2,443	11,885	59,061	478	850	3,803	12,960	244	2,067	432	17,816	2,415	18,863	14,914	70,510	3,361
MOUNTAIN:																
Montana.....	17,403	17,455	15,703	4,594	3,642	5,655	4,970	107	746	133	1,513	961	1,100	229	535	95
Idaho.....	7,859	16,168	15,289	1,359	1,687	7,351	8,706	67	370	106	1,983	1,248	1,681	171	587	94
Wyoming.....	1,239	10,651	7,295	166	1,501	8,552	4,215	54	435	95	859	496	521	138	360	69
Colorado.....	5,785	44,276	50,729	635	2,176	24,643	37,356	432	2,001	420	4,535	3,294	2,746	590	2,428	354
New Mexico.....	521	4,184	11,665	68	204	1,176	6,281	52	285	81	1,288	612	768	286	1,644	156
Arizona.....	802	2,417	5,206	116	244	722	2,756	43	337	108	934	516	461	221	943	169
Utah.....	944	4,303	3,634	120	248	2,089	2,285	77	292	90	821	412	588	239	474	121
Nevada.....	556	1,908	2,269	87	176	632	971	71	210	55	344	201	156	61	167	38
PACIFIC:																
Washington.....	52,198	47,862	38,665	7,867	8,000	17,647	24,186	450	2,075	462	6,827	4,455	5,502	733	2,002	582
Oregon.....	16,499	28,242	25,456	3,025	3,809	12,566	15,937	232	1,126	216	3,114	1,983	2,345	316	921	322
California.....	19,872	54,900	67,786	2,799	4,567	18,370	35,115	1,019	5,569	1,552	9,242	4,703	4,258	1,886	6,251	1,192

## NATIVE POPULATION OF THE UNITED STATES, BY DIVISIONS AND STATES, CLASSIFIED ACCORDING TO DIVISION AND STATE IN WHICH BORN: 1910—Continued.

Table 16—Continued.

Table 16.—Continued.	POPULATION BORN IN—															
	East South Central division.				West South Central division.				Mountain division.							
	Kentucky.	Tennessee.	Alabama.	Mississippi.	Arkansas.	Louisiana.	Oklahoma.	Texas.	Montana.	Idaho.	Wyoming.	Colorado.	New Mexico.	Arizona.	Utah.	Nevada.
United States.....	2,704,675	2,544,434	2,316,790	1,915,124	1,397,657	1,599,273	626,452	3,135,076	132,164	122,388	51,079	323,334	218,693	95,273	304,968	40,397
GEOGRAPHIC DIVISIONS:																
New England.....	2,166	1,341	1,392	529	395	2,433	169	1,167	508	400	199	1,400	612	226	290	395
Middle Atlantic.....	14,327	7,445	5,862	2,358	1,710	7,021	847	5,199	1,350	1,265	899	3,919	1,453	1,496	831	775
East North Central.....	254,780	62,065	12,319	10,102	9,655	8,377	5,044	9,153	2,746	2,307	1,241	7,466	1,279	1,141	1,207	532
West North Central.....	126,195	85,631	11,069	13,772	40,477	8,659	32,745	23,612	5,715	2,528	4,215	19,314	2,727	1,093	2,465	784
South Atlantic.....	39,805	48,144	86,309	8,641	3,752	5,252	1,016	7,366	425	592	294	1,097	426	272	442	331
East South Central.....	2,084,251	2,001,079	1,968,915	1,635,097	22,382	40,178	2,165	17,200	294	435	94	802	217	232	142	159
West South Central.....	121,665	288,216	216,741	233,290	1,288,152	1,515,356	557,253	2,986,691	799	1,199	577	6,464	5,457	1,595	875	412
Mountain.....	26,090	18,757	7,154	5,316	13,588	3,715	16,518	53,661	106,556	98,721	39,970	256,443	202,853	82,939	287,942	25,582
Pacific.....	35,456	28,726	7,029	6,019	17,546	8,282	10,605	30,977	13,762	14,941	3,500	26,429	3,660	7,369	11,264	11,427
NEW ENGLAND:																
Maine.....	158	89	135	39	30	84	17	102	68	49	7	117	43	10	19	31
New Hampshire.....	86	39	71	33	27	82	20	49	36	25	16	71	7	11	13	49
Vermont.....	165	166	164	21	35	47	19	102	39	34	15	80	41	7	26	29
Massachusetts.....	1,125	686	710	290	265	1,537	75	605	267	199	115	652	333	83	110	179
Rhode Island.....	230	151	112	38	41	260	6	101	36	32	18	102	64	31	12	43
Connecticut.....	402	210	200	108	57	423	32	208	62	61	28	378	124	84	20	64
MIDDLE ATLANTIC:																
New York.....	6,943	3,652	3,120	1,490	947	4,405	347	3,308	784	573	562	2,057	664	595	481	401
New Jersey.....	1,821	905	809	320	214	1,067	79	649	157	212	89	540	495	168	122	163
Pennsylvania.....	5,563	2,888	1,933	539	549	1,549	421	1,242	418	480	248	1,322	294	733	228	211
EAST NORTH CENTRAL:																
Ohio.....	83,028	8,904	2,343	1,229	1,050	1,517	1,733	1,362	325	328	189	1,244	195	226	190	123
Indiana.....	99,185	13,797	1,768	951	1,687	900	754	1,315	161	767	83	841	114	178	116	39
Illinois.....	74,543	36,939	7,053	7,181	5,907	5,065	2,018	5,118	985	661	466	3,703	626	464	639	202
Michigan.....	5,134	1,698	604	415	624	498	376	870	603	268	169	1,014	189	128	158	98
Wisconsin.....	2,890	757	551	326	387	397	163	488	672	283	334	664	155	163	104	70
WEST NORTH CENTRAL:																
Minnesota.....	3,277	1,215	566	438	399	573	268	708	1,711	350	225	760	522	110	174	79
Iowa.....	7,534	4,233	874	1,014	1,173	604	1,559	1,290	576	518	460	2,238	263	102	412	152
Missouri.....	77,325	60,713	6,488	8,665	28,822	5,388	9,656	11,864	659	557	422	4,044	629	296	539	191
North Dakota.....	1,684	415	119	208	182	92	170	368	950	132	95	271	45	38	62	46
South Dakota.....	1,340	780	144	166	373	114	397	574	861	104	1,137	916	101	37	114	77
Nebraska.....	5,871	2,937	447	699	1,199	444	1,710	1,567	508	459	1,484	4,692	214	119	435	101
Kansas.....	29,764	15,338	2,431	2,582	8,329	1,444	18,985	7,241	450	408	392	6,183	953	301	309	138
SOUTH ATLANTIC:																
Delaware.....	147	92	28	24	12	36	6	27	13	3	5	27	1	6	7	3
Maryland.....	1,080	777	585	308	166	475	76	445	60	76	24	158	107	57	42	35
District of Columbia.....	1,606	1,442	823	766	284	579	124	825	83	78	73	156	61	44	38	38
Virginia.....	8,751	12,865	1,568	643	400	510	120	807	74	116	41	189	131	29	168	22
West Virginia.....	19,263	2,241	663	163	307	179	163	267	50	104	94	124	44	50	27	8
North Carolina.....	1,180	8,104	1,377	688	393	372	81	629	7	67	12	103	13	15	18	20
South Carolina.....	533	2,747	1,540	522	231	181	47	437	26	32	14	27	9	9	11	52
Georgia.....	3,240	15,713	42,458	2,538	1,164	1,296	280	2,518	72	62	18	158	26	33	35	112
Florida.....	4,005	4,163	37,267	2,989	795	1,814	139	1,411	40	34	13	155	34	29	16	41
EAST SOUTH CENTRAL:																
Kentucky.....	2,031,385	64,498	3,141	2,135	1,679	1,387	453	1,890	87	167	31	237	60	61	24	29
Tennessee.....	41,936	1,873,227	29,739	46,195	10,129	3,127	739	5,592	92	167	30	293	73	70	67	62
Alabama.....	5,605	41,988	1,857,916	22,928	2,334	3,447	510	4,815	30	74	25	199	56	69	36	51
Mississippi.....	5,325	24,366	78,119	1,563,839	8,240	32,217	463	4,903	85	27	8	73	28	32	15	17
WEST SOUTH CENTRAL:																
Arkansas.....	24,337	84,870	38,013	64,182	1,055,940	34,837	11,981	25,554	94	224	78	696	184	86	87	99
Louisiana.....	4,864	6,189	22,285	56,129	15,324	1,405,936	570	24,918	46	111	14	227	56	66	35	44
Oklahoma.....	49,431	62,455	33,198	28,261	132,763	13,313	515,212	205,462	397	469	298	3,408	1,493	457	191	97
Texas.....	48,973	131,702	123,245	84,718	84,125	61,270	29,490	2,730,757	262	395	187	2,133	3,724	986	562	172
MOUNTAIN:																
Montana.....	3,417	1,607	347	316	795	250	804	1,777	99,314	1,621	1,450	2,622	218	187	2,090	900
Idaho.....	2,409	2,299	356	311	2,043	298	1,478	1,539	3,476	90,225	1,937	4,322	224	374	28,728	850
Wyoming.....	1,517	810	327	182	531	173	501	1,435	878	1,208	31,782	3,534	695	171	5,180	146
Colorado.....	10,103	6,267	2,272	1,588	3,707	1,267	4,931	6,679	770	699	2,229	233,516	11,992	359	2,325	319
New Mexico.....	4,366	4,764	2,324	1,821	4,353	922	7,348	30,506	75	90	91	4,266	184,749	1,487	469	55
Arizona.....	2,168	1,578	905	687	1,542	533	1,122	10,139	328	392	143	2,035	4,477	78,499	2,679	422
Utah.....	1,369	1,063	380	304	376	167	184	860	1,217	4,106	2,063	4,340	382	975	243,054	1,259
Nevada.....	711	369	153	107	241	195	150	726	498	470	275	1,808	116	237	3,117	21,640
PACIFIC:																
Washington.....	10,079	8,155	1,778	1,407	4,887	1,685	3,522	5,692	7,845	7,494	1,255	7,080	568	443	2,236	1,012
Oregon.....	5,410	5,195	825	670	3,110	649	2,380	3,972	2,511	4,706	858	8,839	402	464	2,876	1,015
California.....	19,967	15,378	4,426	3,946	9,349	6,548	4,793	21,313	3,406	2,741	1,477	14,510	2,699	6,462	6,152	9,397

## STATE OF BIRTH OF NATIVE POPULATION.

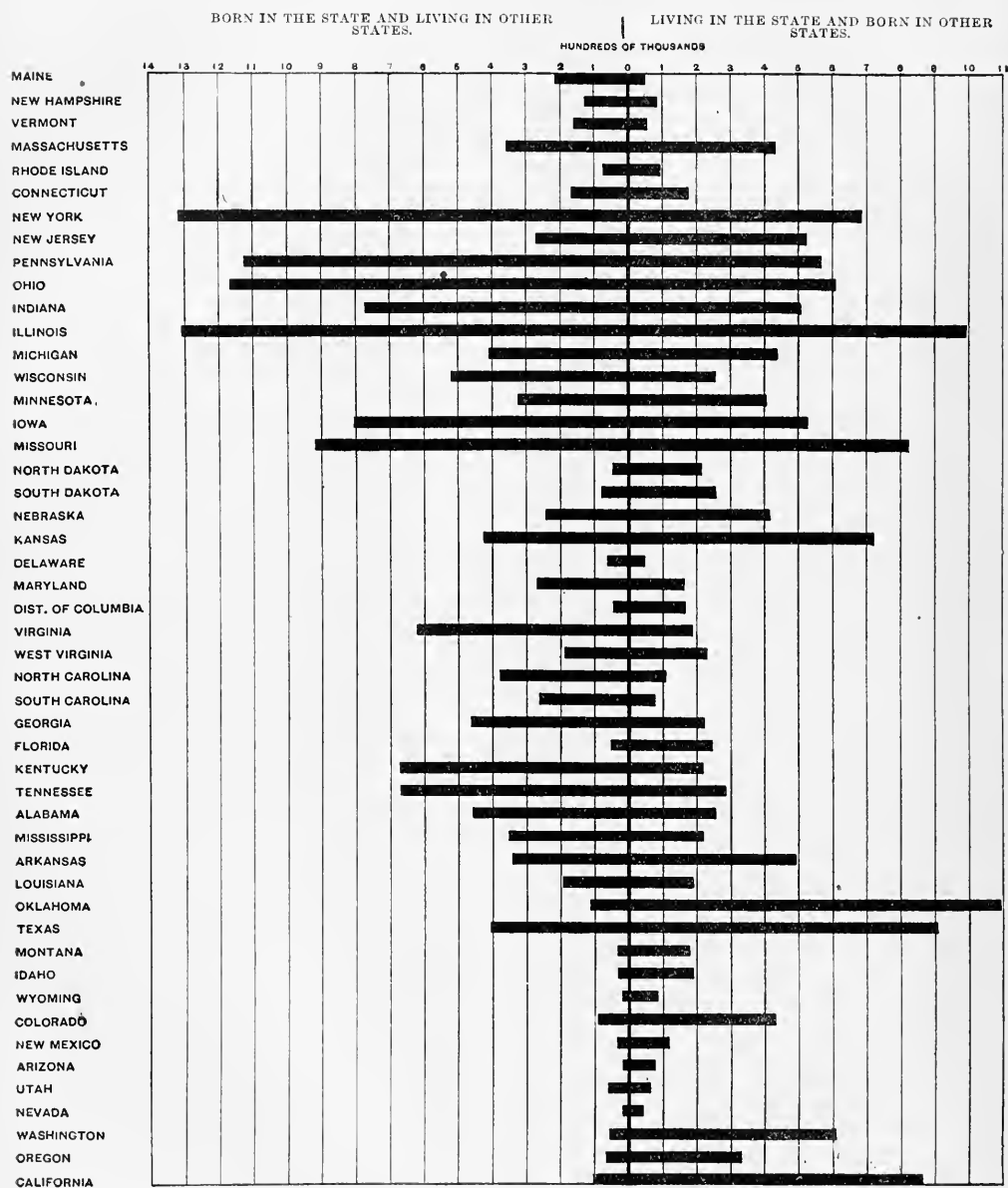
185

NATIVE POPULATION OF THE UNITED STATES, BY DIVISIONS AND STATES, CLASSIFIED ACCORDING TO DIVISION AND STATE IN WHICH BORN: 1910—Continued.

Table 16—Continued.

Table 16—Continued.	POPULATION BORN IN—									Born at sea under United States flag.	American citizens born abroad.
DIVISION OR STATE OF RESIDENCE.	Pacific division.			United States (state not reported).	Outlying possessions.						
	Washington.	Oregon.	California.			Alaska.	Guam.	Hawaii.	Philippine Islands.	Porto Rico.	
<b>United States.....</b>	<b>318,619</b>	<b>293,840</b>	<b>1,004,607</b>	<b>285,685</b>	<b>1,075</b>	<b>19</b>	<b>3,741</b>	<b>1,017</b>	<b>1,513</b>	<b>1,569</b>	<b>66,351</b>
<b>GEOGRAPHIC DIVISIONS:</b>											
New England.....	735	413	4,315	11,324	12		53	40	42	226	13,786
Middle Atlantic.....	2,177	1,201	10,014	39,024	42		64	74	747	244	14,139
East North Central.....	4,243	2,051	8,901	57,947	43		57	64	72	221	15,121
West North Central.....	5,504	3,777	8,463	52,950	38		19	93	21	172	6,466
South Atlantic.....	1,181	749	2,405	22,741	6		23	103	203	210	1,957
East South Central.....	410	215	1,103	17,244	4		2	18	5	60	641
West South Central.....	1,786	1,398	5,351	36,196	7		3	145	61	157	2,792
Mountain.....	13,238	11,835	24,114	17,450	31		105	48	10	76	3,859
Pacific.....	289,345	272,001	939,941	30,809	892	19	3,415	432	352	194	7,596
<b>NEW ENGLAND:</b>											
Maine.....	74	54	465	1,291	1		8	3	2	52	1,704
New Hampshire.....	47	24	199	1,105	1		2		4	5	1,597
Vermont.....	57	22	159	1,181				17	5	27	2,160
Massachusetts.....	418	227	2,646	4,489	6		34	15	25	104	6,574
Rhode Island.....	51	27	279	931			4	2	2	9	695
Connecticut.....	88	59	567	2,327	4		5	3	4	29	1,056
<b>MIDDLE ATLANTIC:</b>											
New York.....	1,157	628	6,045	21,697	25		44	46	641	126	9,345
New Jersey.....	267	114	1,422	5,338	6		4	20	23	44	1,705
Pennsylvania.....	753	459	1,947	11,989	11		16	8	83	74	3,089
<b>EAST NORTH CENTRAL:</b>											
Ohio.....	497	432	1,639	12,030	6		12	15	11	43	2,287
Indiana.....	296	224	916	7,691	7		12	3	11	32	692
Illinois.....	1,318	738	4,301	26,121	9		23	24	23	49	3,201
Michigan.....	659	370	1,231	7,567	19		6	18	11	50	7,541
Wisconsin.....	1,473	267	814	4,538	2		4	4	16	47	1,490
<b>WEST NORTH CENTRAL:</b>											
Minnesota.....	1,275	480	925	7,019	11		5	5	2	26	1,532
Iowa.....	779	601	1,299	8,396	6			22	2	33	1,189
Missouri.....	1,026	785	2,785	16,791	5		5	22	10	20	1,040
North Dakota.....	392	200	281	4,901	4		1	1		19	633
South Dakota.....	357	260	389	2,730			1	5			475
Nebraska.....	631	638	1,038	5,138	6		2	17	5	12	765
Kansas.....	1,044	813	1,746	7,975	6		5	21	2	62	832
<b>SOUTH ATLANTIC:</b>											
Delaware.....	16	9	54	348			1	1	3	1	60
Maryland.....	220	57	456	1,743	1		1	8	48	18	445
District of Columbia.....	109	80	578	1,768	3		6	59	48	8	301
Virginia.....	283	54	361	2,131	2		6	20	11	19	328
West Virginia.....	298	436	237	2,704				2	2	10	181
North Carolina.....	81	28	123	1,722				2	1	10	127
South Carolina.....	20	6	58	1,108				1	2	5	81
Georgia.....	53	26	285	7,429			5	7	5	131	173
Florida.....	101	53	253	3,788			4	3	83	8	261
<b>EAST SOUTH CENTRAL:</b>											
Kentucky.....	131	67	326	2,626	1		2	1		18	193
Tennessee.....	200	80	365	6,294	2			2	5	14	219
Alabama.....	48	35	226	3,689				13		20	138
Mississippi.....	31	33	186	4,635	1			2		8	91
<b>WEST SOUTH CENTRAL:</b>											
Arkansas.....	236	179	560	7,193	3		1	2	3	78	168
Louisiana.....	73	62	516	6,796			2	115	42	26	396
Oklahoma.....	747	663	1,474	8,150	1			2	2	11	491
Texas.....	730	494	2,801	14,057	3			26	14	102	1,737
<b>MOUNTAIN:</b>											
Montana.....	2,254	1,467	2,004	3,488	8		8	19	5	21	694
Idaho.....	8,630	7,286	2,928	2,137	3		3	2		4	579
Wyoming.....	261	348	582	700	4		1	1	1	4	183
Colorado.....	839	726	2,681	4,754	5		20	12	2	22	842
New Mexico.....	164	180	852	1,114			3	1		6	328
Arizona.....	376	619	6,101	1,357	2		3	7		15	557
Utah.....	323	504	1,796	3,219			63	4		1	533
Nevada.....	391	705	7,170	681	9		4	2	2	3	143
<b>PACIFIC:</b>											
Washington.....	262,694	29,569	17,761	11,321	459		112	84	5	67	2,751
Oregon.....	17,508	225,102	18,184	3,729	235		82	22	5	15	901
California.....	9,143	17,330	903,996	15,759	198	19	3,191	326	342	112	3,931

## MIGRATION OF NATIVE POPULATION FROM AND TO EACH STATE: 1910.



## POPULATION OF FOREIGN BIRTH AND FOREIGN PARENTAGE, BY COUNTRY OF ORIGIN.

## INTRODUCTION.

This chapter presents statistics as to the origin of the large foreign element in the population of the United States. More specifically, it distributes the foreign-born whites, and likewise the total foreign born, according to country of birth; the native whites whose parents were both born abroad, according to the country of birth of the parents; and the native whites with one foreign-born parent, the other being native, according to the country of birth of the foreign-born parent. It also distinguishes the persons born in certain foreign countries, according to mother tongue, and gives the total number of males and females born in each foreign country. Statistics are given for geographic divisions, states, and principal cities, and for the urban and rural population of the several geographic divisions. Persons living in Alaska, Hawaii, Porto Rico, and other outlying possessions of the United States are not included, but, on the other hand, persons living in the United States proper who were born in any of these outlying possessions are treated as natives and not as foreign born.

The importance of the foreign element may be seen from the fact that of the 91,972,266 inhabitants of the United States in 1910, no less than 13,515,886, or 14.7 per cent, were born in some foreign country. In addition, there were 12,916,311 native whites of foreign parentage, forming 14 per cent of the total population, and 5,981,526 native whites of mixed (native and foreign) parentage, forming 6.5 per cent of the total. These three classes—without considering the small number of native nonwhites of foreign or mixed parentage—together numbered 32,413,723, or 35.2 per cent of the population of the country.

Some of the tables, as already indicated, relate to the total foreign-born population, and others only to the foreign-born whites. Of the 13,515,886 persons of foreign birth in 1910, 13,345,545 were whites, the remainder, which was only 170,341, representing chiefly Chinese and Japanese, and negroes (mainly from the West Indies). In most cases the total number born in a given country is substantially the same as the number of whites born in that country.

**Definition of terms.**—For brevity the Census Bureau has adopted the term "foreign white stock" to indicate the combined total of three classes, namely, the foreign-born whites themselves, the native whites of foreign parentage, and the native whites of mixed parentage. It has also adopted the term "country of origin" to express, in the case of the foreign born, the country of birth of the person enumerated, in the case of the native whites of foreign parentage, the country

in which both of the foreign parents were born, and, in the case of the native whites of mixed parentage, the country in which the foreign parent was born. The combined total of all persons in these three classes for whom the same country of origin is shown is designated as the foreign white stock derived from that country. It will be noted, of course, that in the case of some of the native whites of foreign parentage the two parents were not born in the same foreign country. Such persons are classified, in the tables showing the country of origin of the native whites of foreign parentage, as persons of "mixed foreign parentage." They must, of course, be clearly distinguished from the persons of mixed native and foreign parentage, usually called, more briefly, of "mixed parentage."

On account of the variety of races represented among the immigrants from certain foreign countries, the Census Bureau has avoided the use of such terms as "Germans," "Russians," "Austrians," and the like, to designate the persons born in Germany, Russia, Austria, or other countries. Confusion would arise from identifying country of birth with race or nationality. Persons born in Germany, for example, are not all Germans, while, conversely, there are many Germans who were born in other countries, particularly Austria, Switzerland, and Russia.

**Mother-tongue statistics.**—An amendment to the Thirteenth Census act called for statistics of the "nationality or mother tongue" of the foreign-born population and of the parents of the native population of foreign or mixed parentage. It was found expedient, in order to place the statistics on a definite basis, to call simply for the "mother tongue." This term is generally understood to mean the language of customary speech before immigration, although in the home countries of certain classes of foreigners the language of customary speech at the present time is not the language, or any modification of the language, of their distant ancestors. For example, most of the Scotch speak English and not Gaelic. In some such cases the ancestral language, rather than that of customary use, was doubtless reported.

Full statistics as to mother tongue will appear in a special report. Such statistics, however, are chiefly significant with reference to the natives of five countries—Germany, Austria, Hungary, Russia, and Canada—and only for such persons are mother-tongue statistics presented in this Abstract. Immigrants from Canada include many French-speaking as well as many English-speaking people, while the very numerous immigrants from each of the other four

countries include a number of widely differing racial groups. There is also a considerable mixture of races in the case of the immigrants from Belgium, part of whom speak French and part Flemish; of those from Switzerland, part of whom speak German, part French, and part Italian, respectively; and of those from the Balkan peninsula. In view, however, of the comparatively small number of the foreign born in the United States who have come from Belgium, Switzerland, and the Balkan peninsula, statistics for them by mother tongue are not included in this Abstract. For natives of most of the other countries from which the United States has mainly derived its foreign-born population, statistics as to mother tongue would add little information of value, since practically all persons from these countries speak the mother tongue indicated by the name of the country. For example, substantially all of the foreign born from Sweden speak Swedish, and of those from Italy almost all speak Italian; while, conversely, practically all of the immigrants whose mother tongue was Swedish or Italian have come from Sweden or Italy, as the case may be.

It may be noted further that statistics as to the mother tongue of persons born in the United Kingdom of Great Britain and Ireland would throw little light upon racial origin. Most of the Scotch and the Irish ordinarily speak the English language, and, while some of them reported Gaelic or Irish as their mother tongue, most reported English. Consequently, statistics of the number born in Scotland or in Ireland give a more accurate idea of the number of Scotch or Irish from the United Kingdom than would be obtained from the number reporting the respective mother tongues; and the same is also true of persons born in Wales.

#### UNITED STATES AS A WHOLE.

**Total foreign born, by country of birth: 1910 and 1900.**—The sources of the foreign-born population of the United States in 1910 and 1900, respectively, are summarized in Table 1, in which the countries of birth are arranged geographically.

While every geographic division of the world is represented in the foreign-born population of the United States, by far the greater proportion of that population has come from Europe. Persons of European birth constituted 87.2 per cent of the total foreign born in 1910. Most of the remainder were from the American continent, chiefly from Canada.

Of the total foreign-born population, 49.9 per cent were from the countries of northwestern Europe and 37.4 per cent from the countries of southern and eastern Europe. Germany and Ireland were the most important countries of the former group in contributing to the population of the United States, and Russia and Finland, Austria-Hungary, and Italy the most important of the latter group.

Among the countries of birth of the foreign-born population of the United States, Germany held first

place in 1910, with 2,501,333, or 18.5 per cent, of the total foreign born. Next in importance were Austria-Hungary, with 12.4 per cent; Russia 11.9 per cent; Ireland, 10 per cent; Italy, 9.9 per cent; the Scandinavian countries as a group, 9.3 per cent; Great Britain (England, Scotland, and Wales), 9 per cent; and Canada and Newfoundland, 9 per cent. These countries together contributed nine-tenths of the total foreign-born population of the United States enumerated in 1910.

Table 1

COUNTRY OF BIRTH.	1910		1900		INCREASED 1900-1910	
	Number.	Per cent of total.	Number.	Per cent of total.	Number.	Per cent.
<b>Total foreign born.....</b>	<b>13,515,866</b>	<b>100.0</b>	<b>10,341,276</b>	<b>100.0</b>	<b>3,174,610</b>	<b>30.7</b>
<b>Europe.....</b>	<b>11,791,841</b>	<b>87.2</b>	<b>8,871,780</b>	<b>85.8</b>	<b>2,920,061</b>	<b>32.9</b>
<i>Northwestern Europe.....</i>	<i>6,740,490</i>	<i>49.9</i>	<i>7,016,311</i>	<i>67.8</i>	<i>-275,911</i>	<i>-3.9</i>
Great Britain.....	1,221,283	9.0	1,167,623	11.3	53,660	4.6
England.....	877,719	6.5	840,513	8.1	37,206	4.4
Scotland.....	261,076	1.9	233,524	2.3	27,552	11.8
Wales.....	82,488	0.6	93,586	0.9	-11,098	-11.9
Ireland.....	1,322,251	10.0	1,015,459	15.6	306,792	30.2
Germany.....	2,501,333	18.5	2,813,928	27.2	-312,595	-12.1
Scandinavian countries.....	1,250,733	9.3	1,072,092	10.4	178,641	16.7
Norway.....	403,877	3.0	336,388	3.3	67,489	20.1
Sweden.....	665,207	4.9	582,014	5.6	83,193	14.3
Denmark.....	181,649	1.3	153,690	1.5	27,959	18.2
Netherlands (Holland), Belgium, and Luxembourg.....	172,534	1.3	127,719	1.2	44,815	35.1
Netherlands.....	126,063	0.9	94,931	0.9	31,132	26.5
Belgium.....	40,400	0.4	29,737	0.3	10,663	66.0
Luxembourg.....	3,071	(?)	3,031	(?)	40	1.3
France.....	117,418	0.9	104,197	1.0	13,221	12.7
Switzerland.....	124,848	0.9	115,591	1.1	9,257	8.0
<i>Southern and Eastern Europe.....</i>	<i>5,048,583</i>	<i>37.4</i>	<i>1,832,494</i>	<i>17.7</i>	<i>3,215,689</i>	<i>175.4</i>
Portugal.....	59,300	0.4	30,608	0.3	28,732	83.9
Spain.....	22,108	0.2	7,650	0.1	15,068	213.6
Italy.....	1,345,125	9.9	494,927	4.8	850,098	171.5
Russia and Finland.....	1,732,462	12.8	640,749	6.2	1,091,719	170.4
Russia.....	1,602,782	11.9	578,102	5.6	1,024,680	177.2
Finland.....	129,680	1.0	62,647	0.6	67,039	107.0
Austria-Hungary.....	1,670,592	12.4	687,609	6.7	1,033,573	164.8
Austria.....	1,174,973	8.7	491,295	4.8	683,678	139.2
Hungary.....	495,609	3.7	145,714	1.4	349,895	240.1
Balkan peninsula.....	220,940	1.6	.....	.....	.....	.....
Rumania.....	63,923	0.5	15,032	0.1	50,891	338.6
Bulgaria.....	11,498	0.1	(?)	(?)	.....	.....
Serbia.....	4,639	(?)	(?)	(?)	.....	.....
Montenegro.....	5,374	(?)	(?)	(?)	.....	.....
Greece.....	101,292	0.7	8,315	0.1	92,977	1,084.5
Turkey in Europe.....	32,230	0.2	9,910	0.1	.....	.....
Country not specified.....	2,858	(?)	622,575	0.2	.....	.....
<b>Asia.....</b>	<b>191,464</b>	<b>1.4</b>	<b>120,248</b>	<b>1.2</b>	<b>71,236</b>	<b>59.2</b>
China.....	56,756	0.4	81,334	0.8	-24,778	-30.4
Japan.....	67,744	0.5	24,788	0.2	42,956	173.3
India.....	4,664	(?)	2,031	(?)	2,633	129.6
Turkey in Asia.....	59,729	0.4	(?)	(?)	.....	.....
All other countries.....	2,591	(?)	11,895	0.1	-9,304	-78.2
<b>America<sup>1</sup>.....</b>	<b>1,489,231</b>	<b>11.0</b>	<b>1,317,380</b>	<b>12.7</b>	<b>171,851</b>	<b>13.0</b>
Canada and Newfoundland.....	1,209,717	9.0	1,179,922	11.4	29,795	2.5
Canada—French.....	383,083	2.8	7385,126	3.8	-10,043	-2.5
Canada—Other.....	819,554	6.1	7,784,796	7.6	34,778	4.4
Newfoundland.....	3,090	(?)	.....	.....	.....	.....
West Indies.....	47,435	0.4	25,435	0.2	22,000	87.3
Cuba.....	15,133	0.1	11,081	0.1	4,052	36.6
Other West Indies.....	32,302	0.2	14,354	0.1	18,148	126.4
Mexico.....	221,915	1.6	103,397	1.0	118,518	114.6
Central and South America.....	9,964	0.1	8,639	0.1	1,334	15.5
Central America.....	1,736	(?)	3,897	(?)	-2,161	-55.5
South America.....	8,228	0.1	4,733	(?)	3,495	73.8
<b>All other.....</b>	<b>43,330</b>	<b>0.3</b>	<b>31,868</b>	<b>0.3</b>	<b>11,462</b>	<b>36.0</b>
Africa.....	3,902	(?)	2,538	(?)	1,454	67.3
Australia.....	9,035	0.1	6,807	0.1	2,228	32.7
Atlantic Islands.....	18,274	0.1	9,768	0.1	8,506	87.1
Pacific Islands.....	2,415	(?)	2,013	(?)	402	20.0
Country not specified.....	2,497	(?)	2,546	(?)	-49	-2.0
Born of sea.....	6,927	0.1	8,196	0.1	-1,269	-15.5

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Less than one-tenth of 1 per cent.

<sup>3</sup> Included under "Country not specified" in 1900.

<sup>4</sup> Figures for Turkey in Asia included with those for Turkey in Europe in 1900.

<sup>5</sup> Includes 20,324 persons reported as born in Poland, without specification as to whether German, Austrian, or Russian Poland.

<sup>6</sup> Outside of the United States.

<sup>7</sup> Newfoundland included with Canada for 1900.

<sup>8</sup> Except Porto Rico.

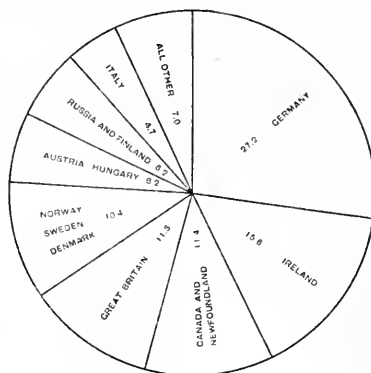


## FOREIGN-BORN POPULATION. BY PRINCIPAL COUNTRIES OF BIRTH: 1910 AND 1900.

TOTAL FOREIGN BORN, 1910: 13,515,885



TOTAL FOREIGN BORN, 1900: 10,341,276

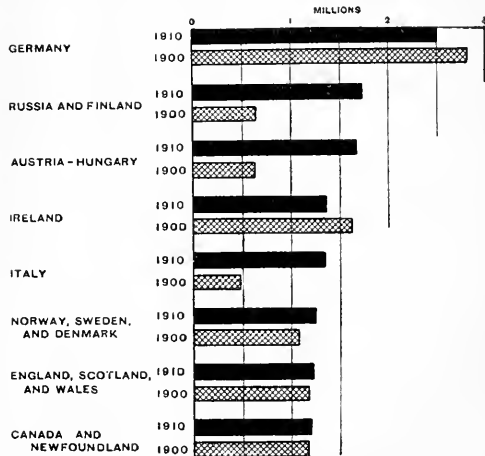


An important change has come about in recent years with respect to the countries from which our immigrants are chiefly drawn. Of course, this change is shown less obviously by the statistics of the foreign-born population as enumerated at the several decennial censuses than by the immigration statistics, since survivors of earlier immigration are still numerous. Nevertheless, a conspicuous change is shown by a comparison of the census returns for 1910 and those for 1900, as appears from Table 1 and the three diagrams on this page. While the proportion of Europeans in the total foreign-born population was about the same at both censuses (85.8 per cent in 1900 and 87.2 per cent in 1910), persons from northwestern Europe constituted 67.8 per cent of the total number of foreign born in 1900, but only 49.9 per cent in 1910. On the other hand, southern and eastern Europeans formed only 17.7 per cent of the total in 1900, as compared with 37.4 per cent 10 years later. Persons born in each individual country of northwestern Europe except Belgium formed a smaller proportion of the foreign born in 1910 than in 1900, while persons born in each country of southern and eastern Europe formed a larger proportion.

The factors in this change in the composition of the foreign-born population can readily be seen by comparing the increases from 1900 to 1910 in the number of persons born in the respective countries. The increase in the total number of foreign born was 3,174,610. The increase in the number of southern and eastern Europeans was 3,215,689, or more than the increase in the total, while there was a decrease of 275,911 in the number of persons reported as born in northwestern Europe. This decrease, however, was wholly in the number from Germany, Ireland, and

Wales, which fell off, respectively, 11.1, 16.3, and 11.9 per cent. The other countries of northwestern Europe were represented by larger numbers in the foreign-born population of the United States in 1910 than in 1900, the percentages of increase ranging from 4.4 for England to 66 for Belgium. The percentages of increase for all of the countries of southern and eastern Europe were large—for example, 1,089.5 per cent for Greece, 177.5 per cent for Italy, 170.4 per cent for Russia and Finland, and 162.3 per cent for Austria-Hungary.

## FOREIGN-BORN POPULATION, BY PRINCIPAL COUNTRIES OF BIRTH: 1910 AND 1900.



The number of persons of Asiatic birth in the population of the United States increased very considerably from 1900 to 1910, the marked decrease in the number

of persons reported as born in China being offset by increases in the number from Japan and Turkey in Asia. The increase in the number of persons born in American countries outside of the United States was 13 per cent, by far the larger part of the increase being contributed by Mexico.

Considering only individual countries, and not the groups of countries shown in Table 1, the following were, in order of rank, the ten leading countries with respect to the numbers contributed to the foreign-born population of the United States as reported in 1910 and 1900, respectively:

1910	1900
Germany.	Germany.
Russia.	Ireland.
Ireland.	Canada.
Italy.	England.
Canada.	Sweden.
Austria.	Russia.
England.	Austria.
Sweden.	Italy.
Hungary.	Norway.
Norway.	Scotland.

**Comparative statistics: 1860 to 1910.**—Table 2 shows the number of foreign born, by country of birth, for each census from 1860 to 1910, the countries being arranged alphabetically.

This table emphasizes even more strikingly than Table 1 the change which has taken place in the composition of the foreign-born population of the United States. Thus persons born in Germany constituted 30.5 per cent of the total number of foreign born in 1860, but only 18.5 per cent in 1910. The corresponding percentages for Ireland were 38.5 and 10; for England, Scotland, and Wales combined, 14.1 and 9. On the other hand, persons born in Italy constituted only 0.3 per cent of the total in 1860, as compared with 9.9 per cent in 1910, while the percentages for Russia (including Finland) at the respective censuses were 0.1 and 12.8, and for Austria, 0.6 and 8.7.

Fewer persons were reported as born in Ireland at the census of 1910 than at any census from 1860 to 1900. The number from Wales was less in 1910 than in 1880, 1890, or 1900. The natives of Germany and England were less numerous in 1910 than in 1890.

#### FOREIGN-BORN POPULATION, BY COUNTRY OF BIRTH: 1860-1910.

Table 2 COUNTRY OF BIRTH.	FOREIGN-BORN POPULATION.						PER CENT OF TOTAL FOREIGN BORN.					
	1910	1900	1890	1880	1870	1860	1910	1900	1890	1880	1870	1860
All foreign countries.....	13,515,888	10,341,276	9,249,560	6,679,943	5,567,229	4,188,058	100.0	100.0	100.0	100.0	100.0	100.0
Austria <sup>1</sup> .....	1,174,973	491,295	241,377	124,024	70,797	25,061	8.7	4.8	2.6	1.9	1.3	0.6
Belgium.....	49,400	29,757	22,639	15,535	12,553	9,072	0.4	0.3	0.2	0.2	0.2	0.2
Canada—French <sup>2</sup> .....	385,083	395,126	302,496	717,157	493,464	249,970	2.8	3.8	3.3	10.7	8.9	6.0
Canada—Other <sup>2</sup> .....	819,554	784,796	678,442	64,160	553,066	433,494	6.1	7.6	7.3	1.6	1.1	0.8
China.....	56,756	81,534	106,701	104,468	63,042	35,565	0.4	0.8	1.2	1.6	1.1	0.8
Cuba and other West Indies.....	347,635	325,435	23,256	16,401	11,570	7,353	0.4	0.2	0.3	0.2	0.2	0.2
Denmark.....	181,649	153,690	132,543	64,196	30,107	9,962	1.3	1.5	1.4	1.0	0.5	0.2
England.....	877,719	840,513	909,092	106,971	116,402	109,870	6.5	8.1	9.8	9.9	10.0	10.4
France.....	117,418	104,197	113,174	106,971	116,402	109,870	0.9	1.0	1.2	1.6	2.1	2.6
Germany <sup>1</sup> .....	2,501,333	2,813,628	2,784,894	1,966,742	1,690,533	1,276,075	18.5	27.2	30.1	29.4	30.4	30.5
Greece.....	101,282	8,515	1,887	776	390	328	0.7	0.1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Hungary.....	495,609	145,714	62,435	11,526	3,737	.....	3.7	1.4	0.7	0.2	0.1	.....
Ireland.....	1,352,251	1,615,459	1,871,509	1,854,371	1,855,827	1,611,304	10.0	15.6	20.2	27.8	33.3	38.5
Italy.....	1,343,125	484,027	182,580	44,330	17,157	11,677	9.9	4.7	2.0	0.7	0.3	0.3
Japan.....	67,744	24,788	2,292	401	73	.....	0.5	0.2	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Mexico.....	221,915	103,393	77,853	68,399	42,435	27,466	1.6	1.0	0.8	1.0	0.8	0.7
Netherlands (Holland).....	120,063	94,931	81,828	58,090	46,802	28,281	0.9	0.9	0.9	0.9	0.8	0.7
Norway.....	408,877	336,388	322,665	181,729	114,246	43,995	3.0	3.3	3.5	2.7	2.1	1.1
Portugal.....	59,360	30,608	15,996	8,138	4,542	4,116	0.4	0.3	0.2	0.1	0.1	0.1
Russia <sup>1</sup> and Finland.....	1,732,462	640,743	182,644	35,722	4,644	3,160	12.8	6.2	2.0	0.5	0.1	0.1
Scotland.....	261,076	233,524	242,231	170,136	140,835	108,518	1.9	2.3	2.6	2.5	2.5	2.6
Spain.....	22,108	7,050	6,185	5,121	3,764	4,244	0.2	0.1	0.1	0.1	0.1	0.1
Sweden.....	665,207	582,014	478,041	194,337	97,332	18,025	4.9	5.6	5.2	2.9	1.7	0.4
Switzerland.....	124,548	115,503	104,069	88,621	75,133	53,327	0.9	1.1	1.1	1.3	1.3	1.3
Turkey in Asia.....	59,729	.....	1,839	1,205	302	128	0.4	0.1	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )
Turkey in Europe.....	32,230	9,910	.....	.....	.....	.....	0.2	0.9	1.1	1.2	1.3	1.1
Wales.....	82,488	93,566	100,079	83,302	74,533	45,763	0.6	0.9	1.2	1.4	0.8	1.7
All other countries <sup>1</sup> .....	158,992	95,062	200,813	93,953	41,943	70,704	1.2	0.9	2.2	1.4	0.8	1.7

<sup>1</sup> For the censuses from 1860 to 1890, inclusive, persons reported as born in Poland are included under "All other countries;" for the censuses of 1910 and 1900 (so far as possible), they are distributed under Austria, Germany, and Russia, respectively.

<sup>2</sup> Includes Newfoundland prior to 1910.

<sup>3</sup> Except Porto Rico.

<sup>4</sup> Less than one-tenth of 1 per cent.

**Immigration in relation to the foreign-born population.**—The statistics of the foreign born presented above make no distinction as to length of residence in the United States; they include those who have been in this country 50 years or more, as well as immigrants who arrived during the first three months of 1910, just before the census was taken. The increase of 3,174,610 in the number of foreign born from 1900 to 1910 does not represent, of course, the number of

immigrants who came to the United States during those 10 years. The foreign born are constantly being drawn upon by return migration and death, and immigration must make up for these losses before there can be any increase in the total number. The immigration statistics for the several decades, however, go far to explain the changes from census to census in the composition of the foreign-born population. A remarkable decrease in the proportion of

immigrants from northwestern Europe and a striking increase in the proportion from southern and eastern Europe form conspicuous features of immigration statistics for the past decade, as compared with those for earlier decades. For the 10 years between the taking of the censuses of 1900 and 1910 the total immigration was about 8,500,000.<sup>1</sup> Of this total, about 6,100,000, or 72 per cent, were from southern and eastern Europe, and about 1,800,000, or 21 per cent, from northwestern Europe—the latter being less than one-third the number from the southern and eastern countries.

While there was an immigration of about 8,500,000 between 1900 and 1910, the census shows only 5 088,084 persons in the United States in 1910 who had arrived after January 1, 1901, which would justify an estimate of 5,250,000 as the total number of persons enumerated in 1910 (April 15) who had arrived since the preceding census. The difference between the latter and the total immigration, about 3,250,000, represents in large part immigrants who returned to their own country, and, to a small extent, those who

died between their arrival and the date of the enumeration. The estimate of 5,250,000 represents the contribution to our population of the immigration of the last 10 years. As already stated, the increase in the foreign-born population between the two censuses was only 3,174,610. The difference of more than two millions may be assumed to be the approximate number of deaths between 1900 and 1910 of the foreign-born who were enumerated in 1900. It may be assumed that these deaths were much more numerous among persons born in northwestern Europe than among those born in southern and eastern Europe, because the former were a much larger class and at the same time, having been here much longer, were more advanced in years, and therefore subject to a higher death rate. As a result of these combined influences there has been a decrease in the foreign-born population from northwestern Europe, as compared with a great increase in that derived from southern and eastern Europe.

**Foreign-born population, by sex.**—Table 3 shows, by sex, the foreign-born population of the United States in 1910, classified according to country of birth.

Table 3	FOREIGN-BORN POPULATION: 1910			COUNTRY OF BIRTH.	FOREIGN-BORN POPULATION: 1910		
	Male.	Female.	Males to 100 females.		Male.	Female.	Males to 100 females.
All foreign countries.....	7,667,748	5,848,138	131.1	Ireland.....	611,556	740,695	82.6
Austria.....	713,455	461,518	154.6	Italy.....	880,904	462,221	190.6
Belgium.....	29,895	19,505	153.3	Japan.....	60,758	6,986	869.7
Bulgaria, Serbia, and Montenegro.....	19,730	1,781	1,107.8	Mexico.....	136,677	85,238	160.3
Canada, total.....	605,956	598,681	101.2	Netherlands (Holland).....	68,363	51,700	132.2
French.....	201,164	183,919	109.4	Norway.....	230,156	173,721	132.5
Other.....	404,792	414,762	97.6	Portugal.....	35,815	23,545	152.1
China.....	54,968	1,788	3,074.3	Romania.....	36,521	29,402	124.2
Cuba and other West Indies.....	26,764	20,571	128.2	Russia.....	927,219	675,563	137.3
Denmark.....	109,120	72,529	150.5	Scotland.....	144,659	116,417	124.3
England.....	477,320	400,399	119.2	Spain.....	16,785	8,323	315.3
Finland.....	79,098	50,582	156.4	Sweden.....	369,953	295,254	125.3
France.....	65,285	52,133	125.2	Switzerland.....	72,726	52,122	139.5
Germany.....	1,337,775	1,163,558	115.0	Turkey in Asia.....	40,467	19,262	210.1
Greece.....	93,447	7,835	1,192.7	Turkey in Europe.....	28,524	3,706	769.7
Hungary.....	305,543	190,066	160.8	Wales.....	45,397	37,691	122.4
				All other countries.....	42,912	28,646	149.8

<sup>1</sup> Except Porto Rico.

In the foreign-born population of the United States as a whole, males greatly outnumber females, the ratio in 1910 being 131.1 males to 100 females. Ireland is the only country shown in the table which has contributed a larger number of females than of males to the population of this country, although persons born in Canada of other than French descent showed a slight excess of females over males in 1910, which was more than offset by the excess of males over females among those born in Canada of French descent. Among persons born in Bulgaria, Serbia, or Montenegro, in China, Greece, Japan, and in Turkey in Europe who resided in the United States in 1910, the males were many times as numerous as the females, and among persons born in Spain and in

Turkey in Asia the males were more than twice as numerous as the females. In the case of persons from all the countries of southern and eastern Europe from which recent immigration has largely been drawn there was a very marked excess of males. The number of males to 100 females in 1910 was 154.6 for persons born in Austria, 160.8 for persons born in Hungary, 190.6 for persons born in Italy, and 137.3 for persons born in Russia. There is much less disparity between the sexes in the case of the foreign born from the leading countries of northwestern Europe. These differences accord with the well-known fact that the immigrants of the earlier days, who came mainly from northwestern Europe, came to a large extent in families and settled permanently in this country, while much of the immigration from southern and eastern Europe consists of single men and of married men who have come only for a temporary stay and have left their families in their home countries.

<sup>1</sup> Since the census of 1900 was taken as of June 1 and that of 1910 as of April 15, there have been added to the immigration figures for the fiscal year ended June 30, 1901, those for the month of June, 1900; and from the figures for the fiscal year ended June 30, 1910, there have been subtracted those for April, May, and June, 1910.

**Population from Germany, Austria, Hungary, and Russia, by mother tongue.**—For reasons stated in the Introduction, statistics of mother tongue are presented in detail for persons born in Germany, Austria, Hungary, and Russia. Table 4 shows, for the United States as a whole and its geographic divisions, the number of white persons born in each of the four countries just named who were enumerated in 1910, distinguished according to mother tongue. The only other statistics of mother tongue presented in this chapter relate to persons of Canadian birth, distinction being made, however, only between those speaking French and all others, the latter consisting almost wholly of persons speaking English. This distinction is carried through all the tables giving country of birth.

The great bulk of the foreign-born whites from Germany speak German (90.4 per cent of the total enumerated in 1910), but there are also a considerable number speaking Polish. Among the foreign-born whites who were born in Austria the most important group consists of those speaking Polish, who constituted 28 per cent of the total in 1910, followed by those speaking Bohemian, German, Yiddish and Hebrew, and Slovenian, in the order named. Of the persons reported as born in Hungary, 46 per cent gave their mother tongue as Magyar, 21.8 per cent as Slovak, and 14.8 per cent as German, 17.5 per cent reporting other languages.

Of the white persons born in Russia, more than one-half (52.3 per cent) gave their mother tongue as Yiddish (including those reporting Hebrew), which is the prevailing language of the Jews throughout a large part of Europe, while more than a quarter (26.1 per cent) reported Polish as the mother tongue. There were also a considerable number who reported Lithuanian and German, while the number who gave Russian as their mother tongue was comparatively small, only 2.5 per cent of the total.

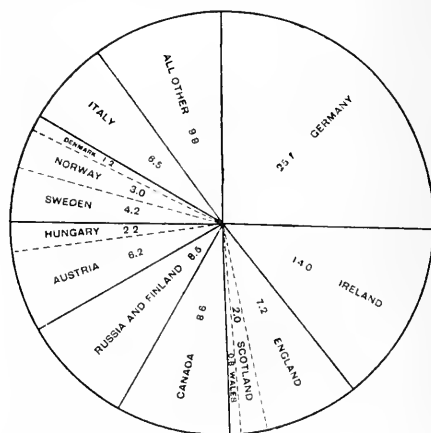
Previous censuses distinguished persons born in Poland, although Poland is not an independent nation, having been partitioned among Russia, Germany, and Austria. The total number of persons reported at the census of 1900 as born in Poland was 383,407.<sup>1</sup> At the census of 1910 Poland was not distinguished as a country of birth, but the approximate number of persons born in the former kingdom of Poland may be determined from the total number reported as speaking the Polish language who were natives of Germany, Austria, or Russia. Such persons numbered 937,884, of whom 190,096 were reported as born in Germany, 329,418 as born in Austria, and 418,370 as born in Russia. A few of these were doubtless born outside the territorial limits of the former

kingdom of Poland. The returns for 1900 distinguish Russian, German, and Austrian Poland; and on the basis of this distinction, persons reported as born in Poland have been distributed under Russia, Germany, and Austria, respectively, in the comparative tables, but for earlier censuses they have been included under "all other countries."

**Foreign white stock, by country of origin.**—The total foreign white stock in the United States in 1910 numbered 32,243,382, of whom 13,345,545, or 41.4 per cent, were foreign born, 12,916,311, or 40.1 per cent, were native whites of foreign parentage, and 5,981,526, or 18.6 per cent, were native whites of mixed parentage. The distribution of this foreign white stock by country of origin is shown in Table 5, on page 194, which distinguishes between the three classes of persons just named, and gives comparative figures for 1900 so far as available. The relative importance of the leading countries of origin is shown for 1910 in the diagram below.

Table 5, page 194, shows, for example, that in 1910 there were 8,282,618 white persons in the United States having Germany as their country of origin, comprising 2,501,181 who were born in Germany, 3,911,847 born in the United States both of whose parents were born in Germany, and 1,869,590 born in the United States and having one parent born in the United States and the other in Germany. It will be noted that this total does not include all native white persons who had one parent born in Germany. In the case of some native whites one parent was born in Germany and the other in some other foreign country; these are included under the designation "persons of mixed foreign parentage," and not with those having Germany as their country of origin.

FOREIGN WHITE STOCK, BY PRINCIPAL COUNTRIES OF ORIGIN: 1910.



<sup>1</sup> This figure may be an understatement, because of the possibility that some of the persons born in the former kingdom of Poland gave their birthplace as Germany, Austria, or Russia.

## COUNTRY OF ORIGIN.

193

WHITE PERSONS BORN IN GERMANY, AUSTRIA, HUNGARY, AND RUSSIA, CLASSIFIED BY MOTHER TONGUE, BY DIVISIONS: 1910.

Table 4

Table 3	COUNTRY OF BIRTH AND MOTHER TONGUE.	UNITED STATES.		GEOGRAPHIC DIVISION.							
		Number.	Per cent.	New England.	Middle Atlantic.	East North Central.	West North Central.	South Atlantic.	East South Central.	West South Central.	Mountain.
Germany	2,501,181	100.0	70,281	754,933	821,417	426,531	63,239	28,516	69,737	42,857	123,644
German.	2,269,256	90.4	65,798	693,972	790,098	400,563	56,645	27,475	65,191	40,570	119,134
Polish.	190,096	7.6	2,548	47,699	115,358	15,518	4,403	316	2,539	589	1,216
Yiddish and Hebrew.	7,910	0.3	805	4,215	1,740	365	305	69	91	64	256
Dutch and Frisian.	6,510	0.3	73	1,010	3,075	1,710	132	43	78	128	264
Bohemian and Moravian.	6,263	0.3	126	827	2,933	1,416	222	22	370	125	222
Danish.	5,232	0.2	231	550	1,233	1,803	36	19	55	199	1,106
French.	3,131	0.1	166	1,170	835	362	45	50	120	72	311
Lithuanian and Lettish.	1,486	0.1	119	448	468	210	79	11	65	41	45
Slavic (not specified) 1.	608	(?)	6	180	257	82	8	.....	116	33	10
Magyar.	564	(?)	13	190	255	47	23	4	9	4	19
Russian.	552	(?)	20	211	156	72	11	21	12	14	35
All other.	18,483	0.7	356	4,557	4,499	4,383	1,330	486	1,091	758	1,023
Austria.	1,174,324	100.0	69,583	553,546	317,462	118,281	20,272	2,989	27,318	32,325	35,148
Polish.	329,418	28.0	49,613	157,133	96,366	12,459	5,360	474	2,099	3,067	2,855
Bohemian and Moravian.	210,214	18.7	2,927	34,071	96,939	55,288	5,009	338	17,275	3,446	3,080
German.	157,917	13.4	5,513	72,027	38,262	19,208	2,935	1,037	4,236	4,979	6,640
Yiddish and Hebrew.	124,588	10.6	3,179	113,961	5,241	694	488	183	252	173	417
Slovenian.	117,740	10.0	2,585	52,775	33,504	9,182	2,252	345	1,091	7,490	8,536
Croatian.	108,602	9.8	313	27,081	20,933	8,948	1,243	82	485	5,027	4,950
Slovak.	55,766	4.7	2,607	39,835	9,037	1,410	1,071	71	130	964	721
Ruthenian.	17,169	1.5	676	14,062	1,381	790	181	2	5	28	44
Russian.	13,781	1.2	823	11,382	703	597	138	3	63	25	47
Servian.	11,693	1.0	14	2,724	4,474	1,867	70	6	11	1,216	1,311
Slavic (not specified) 1.	11,196	1.0	196	8,271	1,764	176	84	9	19	519	158
Italian.	10,774	0.9	478	3,588	2,380	358	64	47	201	2,933	725
Roumanian.	3,399	0.3	25	1,426	1,443	312	44	2	13	54	80
Lithuanian and Lettish.	1,399	0.1	66	933	239	62	29	.....	20	6	44
Greek.	839	0.1	12	723	19	56	11	1	3	6	8
All other.	31,429	2.7	644	13,534	4,777	4,784	1,302	389	1,425	2,432	2,142
Hungary.	495,600	100.0	16,907	267,949	162,259	24,271	10,539	1,742	1,956	4,296	5,621
Magyar.	227,742	46.0	10,458	123,411	75,730	6,149	6,231	682	817	1,620	2,644
Slovak.	107,954	21.8	4,339	66,420	31,500	2,332	1,611	244	358	642	488
German.	73,338	14.8	783	31,073	27,859	9,900	1,029	379	249	654	1,412
Yiddish and Hebrew.	19,806	4.0	351	18,842	2,265	211	74	24	12	45	72
Roumanian.	15,679	3.2	57	2,909	10,342	1,603	352	155	27	96	138
Croatian.	9,650	1.9	146	2,261	4,550	1,311	227	7	55	441	52
Slovenian.	5,510	1.1	241	3,202	1,424	287	56	11	45	126	118
Slavic (not specified) 1.	6,837	1.4	45	4,870	1,743	67	79	18	.....	9	6
Servian.	5,018	1.0	24	1,592	2,253	593	144	57	19	224	112
Ruthenian.	4,465	0.9	50	3,871	460	46	27	.....	8	3	3
Polish.	2,637	0.5	66	1,971	463	88	27	3	7	3	9
Bohemian and Moravian.	1,755	0.4	19	611	743	227	44	5	46	25	35
Russian.	1,400	0.3	47	1,038	238	50	4	2	4	6	11
Bulgarian.	1,322	0.3	136	442	270	159	58	23	37	79	148
All other.	12,967	2.6	145	7,436	2,419	1,228	636	132	280	318	373
Russia 1.	1,602,752	100.0	182,697	893,498	274,983	118,682	49,141	8,152	14,108	18,592	32,889
Yiddish and Hebrew.	838,193	52.3	97,292	560,549	100,782	30,880	24,498	4,602	4,023	4,807	10,769
Polish.	418,370	26.1	55,628	218,894	105,908	12,857	14,646	1,118	2,673	1,987	4,659
Lithuanian and Lettish.	137,046	8.6	29,165	57,501	41,267	3,276	3,509	98	633	424	1,233
German.	121,638	7.6	3,578	14,116	15,063	61,454	1,254	865	4,976	9,011	11,321
Russian.	40,542	2.5	3,345	24,581	5,307	2,712	1,788	344	363	558	1,541
Finnish.	10,585	0.4	1,031	776	1,817	606	56	10	28	401	1,050
Ruthenian.	113,402	0.2	333	1,908	566	340	71	15	26	35	108
Slovak.	1,709	0.1	97	1,239	222	20	93	7	3	15	13
Slavic (not specified) 1.	1,658	0.1	57	1,148	249	47	67	24	18	17	31
Greek.	1,230	0.1	104	663	144	126	45	23	20	15	90
Armenian.	945	0.1	167	289	85	87	14	4	15	81	203
Bohemian and Moravian.	898	0.1	41	88	140	459	55	28	36	4	17
Swedish.	622	(?)	191	165	97	30	4	8	3	6	88
All other.	30,664	1.9	1,725	11,581	3,346	5,668	3,011	1,096	1,291	1,231	1,775

<sup>1</sup> Reported variously, as Slavish, Slavic, Slavonian, and Slavonic; includes, also, a small number of Wendish.<sup>2</sup> Less than one-tenth of 1 per cent.<sup>3</sup> Includes 4,307 reporting Dalmatian.<sup>4</sup> Includes 728 reporting Little Russian.<sup>5</sup> Includes 179 reporting Bosnian, 165 reporting Herzegovinian, and 75 reporting Montenegro.<sup>6</sup> Includes 7 reporting Roumanian.<sup>7</sup> Includes 16 reporting Dalmatian.<sup>8</sup> Includes 14 reporting Little Russian.<sup>9</sup> Exclusive of Finland.<sup>10</sup> Includes 138 reporting Estonian and 9 reporting Lapplish.<sup>11</sup> Includes 975 reporting Little Russian.

## ABSTRACT OF THE CENSUS—POPULATION.

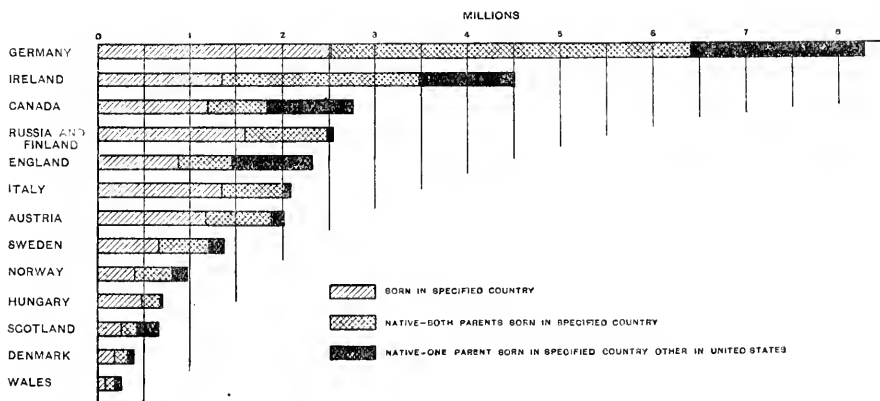
## FOREIGN WHITE STOCK, BY COUNTRY OF ORIGIN: 1910.

Table 5

COUNTRY OF ORIGIN.	TOTAL FOREIGN WHITE STOCK.					NATIVE WHITE OF FOREIGN OR MIXED PARENTAGE.							
	Number.		Per cent.		Per cent of increase 1900-1910	FOREIGN-BORN WHITE.		Total.		Both parents born in country specified.		One parent born in country specified, the other in the United States.	
	1910	1900	1910	1900		1910	1900	1910	1900	1910	1900	1910	1900
All foreign countries.....	32,243,382	25,859,834	100.0	100.0	24.7	13,345,545	10,213,817	18,897,837	15,646,017	12,916,311	10,632,280	5,981,526	5,013,77
Austria.....	2,001,559	850,884	6.2	3.3	135.2	1,174,924	491,259	826,635	359,625	709,070	302,029	117,565	57,596
Belgium.....	89,264	(?)	0.3	.....	.....	49,397	29,755	39,867	(?)	26,448	(?)	13,419	(?)
Bulgaria, Servia, and Montenegro.....	22,685	(?)	0.1	.....	.....	21,451	(?)	1,234	(?)	948	(?)	286	(?)
Canada—French <sup>1</sup> .....	932,238	830,335	2.9	3.2	12.3	385,083	394,461	547,155	435,874	330,976	265,947	216,179	169,027
Canada—Other <sup>2</sup> .....	1,822,377	1,637,063	5.7	6.3	11.3	810,987	778,399	1,011,300	839,204	307,291	260,471	704,099	598,733
Denmark.....	400,094	310,127	1.2	1.2	29.0	181,621	153,644	218,443	156,483	147,648	115,173	70,795	41,310
England.....	2,322,462	2,173,741	7.2	8.4	6.8	876,455	839,830	1,115,887	1,333,911	592,285	565,461	853,702	769,450
France.....	292,389	268,292	0.9	1.0	9.0	117,236	104,031	173,153	164,203	78,957	71,293	95,216	92,908
Germany.....	8,282,618	7,961,315	25.7	30.8	4.0	2,501,181	2,813,413	5,781,437	5,147,902	3,911,847	3,569,538	1,869,590	1,578,364
Greece.....	109,665	(?)	0.3	.....	.....	101,264	8,513	8,401	(?)	5,524	(?)	2,877	(?)
Hungary.....	700,227	218,447	2.2	0.8	220.5	495,600	145,709	304,627	72,738	191,659	66,713	13,568	6,025
Ireland.....	4,504,300	4,826,904	14.0	18.7	-6.7	1,352,155	1,615,232	3,132,205	3,211,672	2,141,577	2,244,241	1,010,628	967,431
Italy.....	2,098,360	727,844	6.5	2.8	188.3	1,313,070	483,963	755,290	243,881	695,187	218,750	60,103	25,131
Mexico.....	382,002	(?)	1.2	.....	.....	219,302	101,908	162,260	(?)	107,866	(?)	54,334	(?)
Netherlands (Holland).....	293,574	(?)	0.9	.....	.....	120,053	94,922	173,521	(?)	116,351	(?)	57,190	(?)
Norway.....	979,099	788,758	3.0	3.0	24.1	493,858	336,379	575,241	452,379	410,951	349,220	164,290	103,159
Portugal.....	111,122	(?)	0.3	.....	.....	57,623	29,766	53,469	(?)	41,680	(?)	11,819	(?)
Roumania.....	87,721	(?)	0.3	.....	.....	65,920	15,032	21,801	(?)	20,707	(?)	1,094	(?)
Russia and Finland.....	2,752,675	905,435	8.5	3.5	204.7	1,732,421	640,710	1,020,254	262,725	949,316	247,581	70,938	15,144
Scotland.....	659,663	594,297	2.0	2.3	11.0	261,034	233,473	398,629	360,824	175,351	163,991	223,238	196,833
Spain.....	33,134	(?)	0.1	.....	.....	21,977	6,836	11,157	(?)	4,387	(?)	6,770	(?)
Sweden.....	1,364,215	1,082,388	4.2	4.2	26.0	665,183	581,986	699,032	500,402	546,788	414,772	152,244	85,630
Switzerland.....	301,650	257,420	0.9	1.0	17.2	124,831	115,881	176,816	141,845	90,663	74,951	86,147	66,894
Turkey in Asia.....	78,631	(?)	0.2	.....	.....	59,702	9,896	18,929	(?)	17,480	(?)	1,449	(?)
Turkey in Europe.....	35,314	(?)	0.1	.....	.....	32,221	(?)	3,093	(?)	2,560	(?)	533	(?)
Wales.....	248,947	233,045	0.8	1.0	-1.6	82,479	93,560	166,468	159,485	84,934	86,899	81,534	72,589
All other countries.....	160,295	1,118,841	0.5	4.3	.....	88,014	95,459	72,251	726,654	31,502	559,128	40,913	167,526
Of mixed foreign parentage <sup>3</sup> .....	1,177,092	1,056,152	3.7	4.1	11.5	.....	.....	1,177,092	1,056,152	1,177,092	1,056,152	.....	.....

<sup>1</sup> A minus sign (—) denotes decrease.<sup>2</sup> Data for 1900 not available; included with "All other countries."<sup>3</sup> Includes Newfoundland for 1900.<sup>4</sup> Native whites whose parents were born in different foreign countries; for example, one parent in Ireland and the other in Scotland.

## FOREIGN WHITE STOCK, BY PRINCIPAL COUNTRIES OF ORIGIN: 1910.



Of the total white population of foreign stock in 1910, Germany was the country of origin of 8,282,618, or 25.7 per cent; Ireland of 4,504,360, or 14 per cent; Canada of 8.5 per cent; Russia and Finland of 8.5 per cent; England of 7.2 per cent; Italy of 6.5 per cent; and Austria of 6.2 per cent. These seven countries thus account for over three-fourths of the total.

Extraordinary differences appear with respect to the rapidity of increase in the foreign white stock derived from the respective countries. Persons having Ireland and Wales as their countries of origin actually decreased in number from 1900 to 1910. All the other countries for which comparative statistics are presented in the table show an increase in their contributions to the foreign white stock of the United States, the rates of increase ranging from 4 per cent in the case of Germany to 188.3 per cent in the case of Italy, 204.7 per cent in the case of Russia and Finland, and 220.5 per cent in the case of Hungary.

Significant comparisons may be made between the columns in Table 5 showing the number of persons born in a given country and the columns showing the native whites of foreign parentage and the native whites of mixed parentage who had the same country of origin. The differences among the several countries of origin with respect to the relative magnitude of the figures in the three columns are largely due to differences in the dates at which the greatest immigration from those countries occurred. For example, the great bulk of immigration from Germany took place a considerable time ago, and it is but natural that in the population in 1910 the number of persons born in the United States both of whose parents were born in Germany should be greater than the number of persons who were themselves born in Germany. On the other hand, most of the immigration from Italy has taken place in recent years, and the number of natives of Italy was much greater than the number of persons born in the United States of Italian parents or than the combined number of such persons and those with one American and one Italian parent.

In the case of only four of the countries listed did the native whites both of whose parents were born in the specified country outnumber the persons who were themselves born there. These four countries are Germany, Ireland, Norway, and Wales. In several other cases, however, the combined number of native whites of foreign parentage and native whites of mixed foreign and native parentage having a given country of origin exceeded the number of persons themselves born in that country. This is true of Canada, Denmark, England, France, the Netherlands, Scotland, Sweden, and Switzerland.

In the case of all the other countries listed (namely, Austria, Belgium, the combined countries of Bulgaria, Servia, and Montenegro, Greece, Hungary, Italy, Mexico, Portugal, Roumania, Russia and Finland, Spain, Turkey in Asia, and Turkey in Europe) the persons themselves born abroad exceeded the natives of foreign and mixed parentage combined.

The statistics in Table 5 regarding the country of origin of the native whites of mixed parentage are significant, as indicating indirectly the relative extent of intermarriage between persons born in the several foreign countries and native Americans. There are no census data available showing directly the number of such intermarriages, but the last two columns in Table 5 show the number of surviving children of such intermarriages. In 1910 the total of this class was 5,981,526. Native whites of mixed foreign and native parentage whose foreign parent was born in Germany numbered 1,869,590; those with the foreign parent born in Ireland, 1,010,628; in Canada, 920,278; and in England, 853,702. These four groups aggregated 4,654,198, or nearly four-fifths of the total native whites of mixed parentage.

It may be noted further, by comparing the number of native whites both of whose parents were foreign born with the number having one parent foreign born and the other native, that the latter are more numerous than the former in the case of five of the countries of origin listed, namely, Canada, England, Scotland, France, and Spain.

The diagram on the opposite page shows the total number of persons of foreign white stock in 1910 for each of the principal countries of origin, distinguishing in each case the foreign-born whites, the native whites of foreign parentage, and the native whites of mixed parentage.

#### DIVISIONS AND STATES.

**Total foreign born, by divisions.**—Table 14, on pages 204 to 207, shows, by geographic divisions, the number of the foreign born of all races combined, distributed according to country of birth, at each census from 1890 to 1910. The table also presents corresponding data by states for 1910 and 1900.

Table 6 distributes, by percentages, the foreign-born population of each geographic division at the last two censuses according to country of birth.<sup>1</sup>

<sup>1</sup> A subsequent table (Table 9), which deals with the foreign white stock, distinguishing the foreign-born whites from the native whites of foreign or mixed parentage, furnishes an even more convenient basis for noting the relative importance of the leading countries of birth in contributing to the foreign-born white population of the several geographic divisions. Although it relates only to the whites, in the case of most geographic divisions the percentages are almost the same as those based upon the total foreign born of all races.

## PER CENT DISTRIBUTION OF THE FOREIGN-BORN POPULATION BY COUNTRY OF BIRTH, BY DIVISIONS: 1910.

Table 6

COUNTRY OF BIRTH.	PER CENT OF TOTAL FOREIGN-BORN POPULATION.																			
	United States.		New England.		Middle Atlantic.		East North Central.		West North Central.		South Atlantic.		East South Central.		West South Central.		Mountain.		Pacific.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
All foreign countries.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Austria.....	8.7	4.8	3.8	1.6	11.4	6.3	10.3	5.0	7.2	5.0	6.8	3.4	3.4	1.7	7.8	7.6	7.1	4.2	3.7	1.8
Belgium.....	0.4	0.3	0.2	0.1	0.2	0.2	0.7	0.6	0.4	0.3	0.4	0.1	0.2	0.2	0.3	0.3	0.2	0.2	0.3	0.3
Canada, total.....	8.9	11.4	28.8	35.4	3.1	4.2	8.9	11.3	6.4	8.1	2.9	3.2	4.0	3.7	2.5	2.6	8.1	10.7	10.1	10.6
French.....	2.8	3.8	13.2	19.1	0.6	0.9	1.5	2.1	1.1	1.4	0.3	0.3	0.4	0.5	0.4	1.2	1.9	0.8	1.0	0.8
Other.....	6.1	7.6	13.6	16.3	2.5	3.3	7.4	9.2	5.3	6.7	2.6	2.9	3.6	3.3	2.2	2.2	6.9	8.8	9.3	9.6
China.....	0.4	0.8	0.1	0.3	0.1	0.3	0.1	0.1	0.1	0.1	0.4	0.8	0.4	0.4	0.3	0.5	1.0	2.5	3.8	9.8
Cuba and other West Indies.....	0.4	0.2	0.2	0.1	0.4	0.3	(?)	(?)	(?)	(?)	6.1	3.8	0.6	0.3	0.3	0.1	(?)	0.1	0.1	0.1
Denmark.....	1.3	1.5	0.4	0.4	0.4	0.5	1.4	1.5	4.0	3.3	0.4	0.4	0.6	0.4	0.6	3.8	5.1	2.6	2.6	2.1
England.....	6.5	8.1	8.5	9.6	6.3	8.9	5.5	6.9	4.3	5.1	7.6	9.4	8.9	9.5	4.3	5.1	12.0	16.8	8.0	9.5
Finland.....	1.0	0.6	0.8	0.4	0.3	0.2	1.4	0.9	1.8	0.8	0.2	0.1	0.2	0.1	0.1	0.1	2.0	1.8	2.1	1.4
France.....	0.9	1.0	0.6	0.5	0.8	1.0	0.6	0.8	0.6	0.7	0.9	1.1	2.1	2.5	2.4	3.5	0.9	1.0	2.2	2.6
Germany.....	18.5	27.2	3.9	5.1	15.6	25.6	30.0	40.9	26.4	32.4	21.1	34.4	32.5	41.7	19.8	27.6	9.5	11.0	12.9	18.9
Greece.....	0.7	0.1	0.9	0.1	0.3	0.1	0.6	0.1	0.9	(?)	1.5	0.3	1.6	0.2	0.5	0.1	2.9	0.1	1.6	0.1
Hungary.....	3.7	1.4	0.9	0.5	3.6	5.3	1.0	1.5	0.4	3.5	1.0	2.0	0.9	0.6	0.4	0.9	0.4	0.6	0.2	0.6
Ireland.....	10.0	15.6	18.3	26.8	12.7	21.9	5.8	9.1	4.9	7.3	9.2	16.9	11.5	18.0	3.4	5.7	5.9	9.1	7.1	10.3
Italy.....	9.9	4.7	9.8	4.2	16.2	8.8	4.8	1.7	2.4	0.7	12.8	4.9	9.3	4.0	9.0	8.4	7.6	4.7	8.6	4.8
Japan.....	0.5	0.2	(?)	(?)	(?)	(?)	(?)	(?)	0.1	(?)	0.1	(?)	(?)	(?)	0.1	(?)	2.3	1.7	5.6	2.4
Mexico.....	1.6	1.0	(?)	(?)	(?)	(?)	(?)	(?)	0.7	(?)	0.1	0.1	0.3	0.2	36.6	26.9	10.1	7.1	3.6	1.5
Netherlands (Holland).....	0.9	0.9	0.1	0.1	0.5	0.6	1.9	2.0	1.3	1.1	0.2	0.2	0.4	0.3	0.3	0.2	0.8	0.4	0.5	0.4
Norway.....	3.0	3.3	0.5	0.4	0.7	0.5	3.2	3.8	12.3	12.1	0.5	0.5	0.6	0.5	0.7	0.7	3.3	2.8	4.7	3.3
Portugal.....	0.4	0.3	1.9	1.2	(?)	(?)	(?)	(?)	(?)	(?)	0.1	0.1	(?)	(?)	0.1	0.1	0.1	0.1	2.4	2.3
Russia.....	11.9	5.6	10.6	4.4	18.4	9.8	8.9	3.0	7.3	4.3	16.4	9.5	9.3	4.2	4.0	2.8	4.1	1.5	3.4	1.6
Scotland.....	1.9	2.3	2.7	2.9	1.8	2.4	1.6	1.8	1.3	1.6	2.4	3.0	2.8	3.0	1.2	1.3	3.3	4.2	2.5	2.8
Spain.....	0.2	0.1	0.1	(?)	0.1	0.1	(?)	(?)	(?)	(?)	1.7	0.6	0.2	0.2	0.5	0.3	0.7	0.1	0.5	0.2
Sweden.....	4.9	5.6	3.9	4.1	1.8	2.2	5.8	6.5	13.2	13.6	1.0	1.0	1.8	1.5	1.8	2.1	7.8	9.5	7.2	5.8
Switzerland.....	0.9	1.1	0.2	0.2	0.6	0.8	1.1	1.3	1.2	1.4	0.7	0.9	3.1	3.6	1.1	1.2	1.5	1.9	2.3	2.8
Turkey.....	0.7	0.1	1.5	0.2	0.5	0.1	0.5	(?)	0.4	(?)	1.5	0.1	1.9	0.2	0.9	0.2	0.6	0.1	0.7	0.1
Wales.....	0.6	0.9	0.2	0.3	0.8	1.3	0.6	1.8	0.6	0.6	0.7	0.8	1.1	0.3	0.3	1.4	2.2	0.5	0.7	0.6
All other countries.....	1.2	0.9	1.2	0.9	1.3	1.0	0.8	0.6	1.0	0.6	1.1	1.5	1.4	1.8	0.8	1.1	1.8	0.8	2.3	2.1

\* Except Porto Rico.

\* Less than one-tenth of 1 per cent.

For New England the most important countries of birth of the foreign born enumerated in 1910 were, in the order of their rank, Canada, Ireland, and Russia, each of which contributed over 10 per cent of the total, followed by Italy and England. For the Middle Atlantic division they were Russia, Italy, Germany, Ireland, and Austria. For the East North Central division they were Germany and Austria, each of which contributed over 10 per cent, followed by Canada and Russia, each with 8.9 per cent. For the West North Central division the most important countries of birth were Germany, Sweden, Norway, and Russia. For the Mountain division the leading positions were occupied by England, Mexico, and Germany, and for the Pacific division by Germany, Canada, and Italy. In neither of these two western divisions was any one country of birth represented by as much as one-sixth of the total foreign-born population. In the three southern divisions the total number of foreign born was comparatively small. Persons born in Germany occupied the leading place in the South Atlantic and East South Central divisions, and those born in Mexico in the West South Central division.

Marked differences appear among the natives of different foreign countries with respect to the sections of the United States to which the greatest numbers have gone. These differences are most clearly brought out by Table 7, which shows, by percentages, the distribution of the persons born in each foreign country according to the geographic divisions in

which they were living at the census of 1910. For comparison the distribution of the total foreign-born population and also that of the total population are shown.

In view of the very large foreign-born population of the Middle Atlantic division, it is natural that that division should contain more of the persons from many of the countries specified than any other division. Of the natives of Austria in the United States in 1910, 47.1 per cent were in the Middle Atlantic division and 27 per cent in the East North Central. Of persons born in Canada, 43.7 per cent were in New England and 22.7 per cent in the East North Central division. Of those from England, 34.9 per cent were in the Middle Atlantic division, 19.4 per cent in the East North Central, and 17.8 per cent in New England; the distribution of persons born in Scotland was very similar. Of the natives of Germany, 36.8 per cent were in the East North Central division, 30.2 per cent in the Middle Atlantic, and 17.1 per cent in the West North Central. Many of the earlier German immigrants went to the farms of these geographic divisions. Of persons born in Hungary, 54.1 per cent were in the Middle Atlantic division (many of them in the mining regions of Pennsylvania) and 32.7 per cent in the East North Central.

Of persons born in Ireland, 45.5 per cent were in the Middle Atlantic division, 24.7 per cent in New England, and 13.3 per cent in the East North Central division. A decided concentration appears in the case of na-



tives of Italy, no less than 58.4 per cent in 1910 being in the Middle Atlantic division, 13.4 per cent in New England, and 10.9 per cent in the East North Central division. Of persons born in Russia, 55.7 per cent were in the Middle Atlantic division, 17.2 per cent in the East North Central, and 12 per cent in New England.

The natives of the Scandinavian countries have largely gone to the farming regions of the Middle West. Of those born in Norway, 49.2 per cent in 1910 were in

the West North Central division and 24.6 per cent in the East North Central, and of those born in Sweden, 32.1 per cent were in the West North Central and 26.8 per cent in the East North Central. The distribution of those born in Denmark is similar. Of the European immigrants, those born in Portugal show the most unequal distribution, nearly all of them being found in the New England and Pacific divisions. The natives of China and Japan have settled chiefly in the Pacific division.

DISTRIBUTION OF POPULATION BORN IN THE LEADING FOREIGN COUNTRIES, BY DIVISION OF RESIDENCE: 1910.

DIVISION.	Total population.	Total foreign born.	Austria.	Belgium.	Canada.	China.	Cuba and other West Indies. <sup>1</sup>	Denmark.	England.	Finland.	France.	Germany.	Greece.	Hungary.	Ireland.
<b>United States.....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
New England.....	7.1	13.5	5.9	6.6	43.7	4.6	6.5	4.2	17.8	10.9	9.3	2.8	16.6	3.4	24.7
Middle Atlantic.....	21.0	35.9	47.1	21.5	12.3	12.1	45.1	11.4	34.9	9.9	33.8	30.2	15.7	54.1	45.5
East North Central.....	19.8	22.7	27.0	16.4	22.7	4.4	2.3	23.6	19.4	33.5	16.2	36.8	17.7	32.7	13.3
West North Central.....	12.7	12.0	9.9	12.4	8.5	1.8	1.3	35.2	7.9	22.8	8.2	17.1	13.8	4.9	5.8
South Atlantic.....	13.3	2.2	1.7	2.3	0.7	2.2	38.6	0.7	2.6	0.3	2.4	2.5	4.6	2.1	2.0
East South Central.....	9.1	0.6	0.3	0.3	0.3	0.6	1.0	0.3	0.9	0.1	1.6	1.1	1.4	0.4	0.7
West South Central.....	9.6	2.6	2.3	1.9	0.7	1.8	2.3	1.2	1.7	0.2	7.1	2.8	1.7	0.4	0.9
Mountain.....	2.9	3.4	2.8	2.0	3.0	8.3	0.6	9.5	6.2	7.1	3.6	1.7	13.1	0.9	2.0
Pacific.....	4.6	7.1	3.0	6.6	8.0	64.4	2.3	13.9	8.7	15.1	17.8	4.9	15.5	1.1	5.0

DIVISION.	Italy.	Japan.	Mexico.	Netherlands (Holland).	Norway.	Portugal.	Russia.	Scotland.	Spain.	Sweden.	Switzerland.	Turkey.	Wales.	All other countries.
<b>United States.....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
New England.....	13.4	0.4	0.1	1.8	2.1	57.1	12.0	18.5	5.2	10.6	3.0	29.3	4.5	13.5
Middle Atlantic.....	58.4	2.3	0.1	22.1	8.1	1.7	55.7	34.1	20.9	13.2	25.1	26.6	40.0	38.4
East North Central.....	10.9	0.7	0.4	49.7	24.6	0.9	12.2	18.7	2.8	26.8	26.6	16.6	22.1	14.7
West North Central.....	2.8	1.5	4.9	17.5	49.2	0.1	7.4	8.4	3.1	32.1	15.4	7.5	9.5	9.8
South Atlantic.....	2.9	0.2	0.1	0.5	0.4	0.3	3.1	2.7	22.5	0.4	1.7	4.8	2.4	2.1
East South Central.....	0.6	(?)	0.1	0.3	0.1	(?)	0.5	1.0	0.9	0.2	2.2	1.8	0.9	0.8
West South Central.....	2.4	0.6	58.1	0.6	0.6	0.3	0.9	1.6	7.3	1.0	3.0	3.5	1.1	1.8
Mountain.....	2.6	15.1	20.6	3.1	3.7	0.9	1.2	5.8	14.3	5.3	5.6	2.8	7.5	5.2
Pacific.....	6.1	79.2	15.3	4.2	11.2	38.6	2.1	9.3	23.0	10.3	17.5	7.0	6.0	13.7

<sup>1</sup> Except Porto Rico.

<sup>2</sup> Less than one-tenth of 1 per cent.

Table 8 shows, by geographic divisions, the number of foreign-born persons reported at the censuses of 1910 and 1900 classified into three groups: (1) Those born in northwestern Europe; (2) those born in southern and eastern Europe; and (3) those born in all other foreign countries.

There are conspicuous differences among the geographic divisions with respect to the proportions which these three groups of countries have contributed to the foreign-born population. In the New England division, for example, in 1910 only 39.4 per cent of the foreign born were from northwestern Europe, while 29.3 per cent were from southern and eastern Europe and 31.3 per cent from other countries, mainly Canada. On the other hand, in the West North Central division 70.4 per cent of the foreign born were from northwestern Europe, 21.9 per cent from southern and eastern Europe, and only 7.7 per cent from all other countries. The proportion from southern and eastern Europe was conspicuously high in the Middle Atlantic division, 53.4 per cent. The proportion from non-European countries was highest in the West South Central division, where there are considerable

numbers of Mexicans in the comparatively small foreign-born population.

DIVISION.	Northwestern Europe.		Southern and eastern Europe.		All other foreign countries. <sup>1</sup>	
	1910	1900	1910	1900	1910	1900
<b>NUMBER.</b>						
<b>United States.....</b>	<b>8,740,400</b>	<b>7,016,311</b>	<b>5,048,583</b>	<b>1,832,894</b>	<b>1,726,903</b>	<b>1,492,071</b>
New England.....	719,763	730,401	334,648	184,696	570,669	530,080
Middle Atlantic.....	2,053,472	2,187,576	2,388,248	949,349	209,453	180,649
East North Central.....	1,794,003	1,998,341	986,303	310,086	263,490	316,599
West North Central.....	1,137,573	1,226,223	334,857	173,976	124,265	133,049
South Atlantic.....	135,947	148,570	131,469	43,152	33,478	24,302
East South Central.....	57,466	74,806	23,642	16,475	6,717	5,687
West South Central.....	127,660	130,049	80,400	53,282	144,732	83,756
Mountain.....	229,239	193,640	122,529	39,612	101,554	68,717
Pacific.....	486,747	326,545	226,487	68,275	212,575	149,232
<b>PER CENT OF TOTAL FOREIGN BORN.</b>						
<b>United States.....</b>	<b>49.9</b>	<b>67.8</b>	<b>37.4</b>	<b>17.7</b>	<b>12.8</b>	<b>14.4</b>
New England.....	39.4	50.5	28.3	12.8	31.3	36.7
Middle Atlantic.....	42.3	65.9	53.4	28.6	4.3	5.4
East North Central.....	38.4	76.1	32.7	11.8	9.5	12.1
West North Central.....	70.4	80.0	21.0	11.3	7.7	8.7
South Atlantic.....	45.0	68.8	33.8	20.0	11.2	11.2
East South Central.....	65.4	82.2	26.9	11.6	7.6	6.3
West South Central.....	36.1	48.7	22.8	19.9	41.1	31.4
Mountain.....	50.6	64.1	27.0	13.1	22.4	22.8
Pacific.....	50.9	60.0	23.7	12.5	25.4	27.4

<sup>1</sup> Includes a few persons reported as born in Europe, country not specified.

More than half of the total number of southern and eastern Europeans in the United States in 1910 resided in the Middle Atlantic division, and more than four-fifths of them were in the Middle Atlantic, New England, and East North Central divisions, taken together. On the other hand, less than one-half of the northwestern Europeans were in the Middle Atlantic division, and the three divisions just named, taken together, contained a little more than two-thirds of the total number.

**Foreign white stock, by divisions.**—Table 13, pages 202 and 203, shows, for 1910, by geographic divisions, the total foreign white stock of each country of origin, distinguishing between white persons themselves foreign born and native whites of foreign or mixed parentage.

The principal facts brought out in Table 13 are shown more clearly in Table 9, in which the principal countries of origin of the foreign white stock of each geographic division are arranged in order of importance.

Table 9  DIVISION AND COUNTRY OF ORIGIN.	FOREIGN WHITE STOCK: 1910						PER CENT OF TOTAL FOREIGN WHITE STOCK CONSISTING OF—		DIVISION AND COUNTRY OF ORIGIN.	FOREIGN WHITE STOCK: 1910						PER CENT OF TOTAL FOREIGN WHITE STOCK CONSISTING OF—	
	Total.		Foreign-born white.		Native white of foreign or mixed parentage.					Total.		Foreign-born white.		Native white of foreign or mixed parentage.			
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Foreign born.	Natives of foreign or mixed parentage.		Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Foreign born.	Natives of foreign or mixed parentage.
<b>New England</b> .....	3,867,095	100.0	1,814,388	100.0	2,052,709	100.0	46.9	53.1	<b>South Atlantic—Con.</b>								
Canada.....	1,104,384	28.6	524,015	28.9	580,369	28.3	47.4	52.6	Austria.....	33,320	4.6	20,272	7.0	13,048	3.0	60.8	39.2
Ireland.....	978,352	25.3	334,475	18.4	643,877	31.4	34.2	65.8	Scotland.....	21,692	3.0	7,143	2.5	14,549	3.3	32.9	67.1
England.....	520,834	8.3	155,075	8.6	365,759	8.0	48.5	51.5	Cuba and other W. Indies <sup>1</sup>	21,475	2.9	11,229	3.9	10,246	2.4	47.4	52.6
Russia.....	291,618	7.5	192,697	10.6	98,921	4.8	66.1	33.9	Canada.....	19,128	2.6	8,488	2.9	10,640	2.4	44.4	55.6
Italy.....	277,361	7.2	179,428	9.9	97,933	4.8	64.7	35.3	Hungary.....	14,154	1.9	10,959	3.6	3,195	0.8	74.9	25.1
Germany.....	176,945	4.6	70,261	3.9	106,684	5.2	39.7	60.3									
Sweden.....	126,471	3.3	70,774	3.9	55,697	2.7	56.0	44.0	<b>East South Central.</b>	301,834	100.0	86,857	100.0	214,977	100.0	28.8	71.2
Austria.....	107,157	2.8	69,883	3.8	37,274	1.8	65.0	35.0	Germany.....	125,572	41.6	28,516	32.8	97,056	45.1	22.7	77.3
Scotland.....	97,740	2.5	48,413	2.7	49,327	2.4	49.5	50.5	England.....	51,346	17.0	10,123	11.7	41,223	19.2	19.7	80.3
Portugal.....	53,721	1.4	32,453	1.8	21,268	1.0	60.4	39.6	Ireland.....	26,239	8.7	7,779	9.0	18,454	8.6	29.2	70.8
									Italy.....	14,838	4.9	8,181	9.4	6,657	3.1	55.1	44.9
<b>Middle Atlantic</b> .....	10,417,491	100.0	4,826,179	100.0	5,591,312	100.0	46.3	53.7	Russia.....	14,118	4.7	8,152	9.4	5,966	2.8	57.7	42.3
Germany.....	2,222,900	21.3	754,939	15.6	1,467,961	26.3	34.0	66.0	Canada.....	8,737	2.9	3,427	3.9	5,310	2.5	39.2	60.8
Ireland.....	1,922,099	18.5	615,717	12.8	1,306,382	24.4	32.0	68.0	Switzerland.....	8,736	2.9	2,503	2.9	6,233	2.9	28.7	71.3
Russia.....	1,382,493	13.3	893,498	18.5	488,995	8.7	64.6	35.4	France.....	7,872	2.6	2,748	3.2	5,124	2.4	34.6	65.4
Italy.....	1,229,462	11.8	783,758	16.2	445,704	8.0	63.7	36.3	Austria.....	6,888	2.3	1,029	2.1	5,859	2.4	26.6	73.4
Austria.....	873,467	8.4	535,546	11.5	319,921	5.7	63.4	36.6		5,461	1.8	2,989	3.4	2,472	1.1	54.7	45.3
England.....	752,940	7.2	305,826	6.3	447,114	8.0	40.6	59.4	<b>West South Central.</b>	954,042	100.0	348,759	100.0	605,283	100.0	36.6	63.4
Hungary.....	389,738	3.7	267,949	5.6	121,789	2.2	68.8	31.2	Germany.....	275,451	28.9	69,737	20.0	205,714	34.0	25.3	74.7
Canada.....	323,875	3.1	146,971	3.0	176,904	3.2	45.4	54.6	Mexico.....	237,893	24.9	127,984	36.7	109,909	18.2	53.8	46.2
Scotland.....	211,237	2.0	88,975	1.8	122,262	2.2	42.1	57.9	Austria.....	67,374	7.1	27,318	7.8	40,056	6.6	40.5	59.5
Sweden.....	160,208	1.5	87,717	1.8	72,491	1.3	54.7	45.3	Italy.....	63,443	6.7	31,686	9.1	31,757	5.3	49.8	50.2
									Ireland.....	59,531	6.2	11,983	3.4	47,548	7.8	20.2	79.8
<b>East North Central.</b>	8,175,654	100.0	3,967,220	100.0	5,108,434	100.0	37.5	62.5	England.....	53,203	5.6	15,014	4.3	38,189	6.3	28.2	71.8
Germany.....	3,172,097	38.8	1,021,417	30.0	2,150,680	44.1	29.0	71.0	Russia.....	29,799	3.1	14,108	4.0	15,691	2.6	47.3	52.7
Ireland.....	706,740	8.6	179,257	4.5	527,483	10.3	25.4	74.6	France.....	29,549	3.1	8,242	2.4	21,307	3.5	27.9	72.1
Canada.....	679,139	8.3	270,286	6.8	408,853	8.0	39.8	60.2	Sweden.....	25,819	2.7	8,554	2.5	17,265	2.9	33.1	66.9
Austria.....	556,527	6.8	317,462	10.4	239,065	4.7	57.0	43.0		16,498	1.7	6,469	1.9	10,028	1.7	39.2	60.8
England.....	503,985	6.2	170,131	5.5	333,854	6.5	33.8	66.2	<b>Mountain</b>	1,053,821	100.0	436,910	100.0	616,921	100.0	41.5	58.5
Russia.....	424,124	5.2	274,963	9.0	149,161	2.9	64.8	35.2	England.....	171,028	16.2	54,349	12.4	116,679	18.9	31.8	68.2
Sweden.....	365,310	4.5	178,138	5.8	187,172	3.7	48.8	51.2	Germany.....	134,667	12.8	42,867	9.8	91,800	14.9	31.8	68.2
Norway.....	246,136	3.0	99,190	3.2	146,946	2.9	40.3	59.7	Ireland.....	93,667	8.9	28,872	6.2	64,795	10.8	28.7	71.3
Italy.....	236,150	2.8	146,824	4.8	79,326	1.6	64.9	35.1	Canada.....	86,748	8.2	36,172	8.3	50,576	8.2	41.8	58.2
Hungary.....	214,885	2.6	162,259	5.3	52,626	1.0	75.5	24.5	Mexico.....	78,029	7.4	32,159	10.3	45,870	5.3	57.9	42.1
									Sweden.....	73,329	7.0	35,482	8.1	37,847	6.1	48.4	51.6
<b>West North Central.</b>	4,827,934	100.0	1,613,231	100.0	3,214,703	100.0	33.4	66.6	Italy.....	50,362	4.5	34,373	7.9	16,039	2.6	68.1	31.9
Germany.....	1,691,182	33.2	426,331	26.4	1,264,851	36.5	26.6	73.4	Sweden.....	49,228	4.7	32,923	7.4	16,305	2.7	65.7	34.3
Norway.....	545,681	11.3	198,758	12.3	346,923	10.7	36.6	63.4	Denmark.....	48,877	4.6	17,239	3.9	31,647	5.0	35.6	64.4
Sweden.....	491,949	10.2	213,530	13.2	278,419	8.7	43.4	56.6	Russia.....	30,389	2.9	18,592	4.3	11,797	1.9	61.2	38.8
Ireland.....	369,029	7.6	78,697	4.9	290,332	9.0	21.3	78.7									
Canada.....	296,919	6.1	101,975	6.3	194,944	6.0	34.4	65.6	<b>Pacific</b>	1,915,163	100.0	861,448	100.0	1,053,655	100.0	45.0	55.0
Austria.....	256,973	5.3	116,281	7.2	140,692	4.4	45.3	54.7	Germany.....	347,219	18.1	123,644	14.4	223,575	21.2	35.6	64.4
England.....	245,227	5.1	69,627	4.3	175,600	5.5	28.1	71.9	Ireland.....	212,178	11.1	67,648	7.9	144,530	13.7	31.9	68.1
Denmark.....	150,465	3.1	63,908	4.0	86,557	2.7	42.5	57.5	Canada.....	210,566	11.0	96,122	11.2	114,384	10.9	45.7	54.3
Scotland.....	73,652	1.5	21,814	1.4	51,838	1.6	29.6	70.4	England.....	126,013	6.6	76,075	8.8	108,938	10.3	41.2	58.8
									Mexico.....	126,013	6.6	82,250	9.5	43,763	4.2	65.3	34.7
<b>South Atlantic</b> .....	730,338	100.0	290,555	100.0	439,843	100.0	39.8	60.2	Sweden.....	126,013	6.6	82,250	9.5	43,763	4.2	65.3	34.7
Germany.....	126,285	31.0	63,239	21.8	163,046	37.1	27.9	72.1	Norway.....	83,305	4.3	45,158	5.2	38,147	3.6	54.2	45.8
Ireland.....	111,567	15.1	27,471	9.5	84,096	19.4	24.6	75.4	Scotland.....	56,843	3.0	24,181	2.8	32,662	3.1	42.5	57.5
Russia.....	82,365	11.3	33,141	16.9	49,224	7.5	59.8	40.2	Russia.....	53,965	2.8	32,889	3.8	22,076	2.0	60.9	39.1
England.....	64,317	8.8	22,582	7.8	41,735	9.5	35.1	64.9	Portugal.....	52,368	2.7	22,773	2.6	29,594	2.8	43.5	56.5
Italy.....	55,206	7.6	38,277	13.2	16,929	3.8	69.3	30.7									

<sup>1</sup> Except Porto Rico.

It will be noted that the order in which the countries rank as contributors to the foreign-born white population, taken by itself, is not always the same as the order in which they rank as contributors to the total foreign white stock. Germany ranks first as country of origin of the foreign white stock in all the geographic divisions except the New England and Mountain divisions, where first place is held by Canada and England, respectively. The second place is occupied by Ireland in the New England, Middle Atlantic, East North Central, South Atlantic, East South Central, and Pacific divisions; by Norway in the West North Central; by Mexico in the West South Central; and by Germany in the Mountain division.

Table 9 shows also, for each country of origin, the proportion of the total foreign white stock which consists, respectively, of white persons themselves born abroad and of native whites of foreign or mixed parentage. The differences in the relative importance of these two classes which appear in the statistics already presented for the United States as a whole usually appear also in the statistics for each geographic division. In the case of the stock derived from the countries from which most of the earlier immigration came, there are usually more natives of foreign or mixed parentage than persons themselves foreign born, while the opposite is the

case with respect to the stock derived from countries from which immigration has chiefly been drawn during recent years.

Table 10 gives percentages computed from Table 13, showing the distribution of the foreign white stock from each country of origin among the several geographic divisions. The percentages in this table bear a general similarity to those in Table 7, which shows the distribution of the persons themselves born abroad. This is naturally the case, since most of the native whites of foreign or mixed parentage having a given country of origin reside in the sections of the country in which their parents settled.

**Foreign born and foreign white stock, by states.**—Table 14, pages 204 to 207, shows, for 1910 and 1900, the number of the foreign born in each state classified according to country of birth, while Table 15, pages 208 and 209, shows, for 1910, the number of the native whites of foreign or mixed parentage classified according to the country of birth of the foreign-born parent or parents. In the case of most countries of origin, the approximate total foreign white stock resident in a given state may be obtained by adding the figures in Table 14 to those in Table 15, since in most cases the total number of foreign born from a given country is practically the same as the number of foreign-born whites from that country.

Table 10

PER CENT OF FOREIGN WHITE STOCK WITH SPECIFIED COUNTRY OF ORIGIN: 1910

DIVISION OF RESIDENCE.	Total pop-ulation.	Total for-foreign white stock.	Austria.	Canada—French.	Canada—Other.	Denmark.	England.	Finland.	France.	Germany.	Greece.	Hungary.	Ireland.	Italy.	Netherlands (Holland).	Norway.	Russia.	Scotland.	Sweden.	Switzerland.	Wales.
United States.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New England.....	7.1	12.0	5.4	63.4	27.2	3.5	13.8	10.1	6.5	2.1	16.5	3.7	21.7	13.2	1.3	1.4	11.5	14.8	9.3	2.2	3.3
Middle Atlantic.....	21.0	32.3	43.6	8.2	13.6	9.1	32.4	8.3	28.3	26.8	16.4	55.7	42.7	5.8	52.3	25.1	54.4	32.0	11.7	20.3	43.9
East North Central.....	19.8	24.8	27.8	15.6	29.3	23.1	21.7	36.0	21.7	38.3	18.2	30.7	15.7	10.8	52.3	25.1	16.7	20.1	26.8	31.1	23.4
West North Central.....	12.7	15.0	12.8	6.5	12.9	37.6	10.6	24.0	11.2	19.3	13.3	5.0	8.2	2.6	18.7	55.5	9.2	11.2	36.1	15.9	11.3
South Atlantic.....	13.5	2.3	1.7	0.2	0.9	0.6	2.8	0.3	2.6	2.7	4.8	2.0	2.5	2.6	0.5	0.3	3.2	3.3	0.4	1.7	2.3
East South Central.....	9.1	0.9	0.3	0.1	0.4	0.3	1.1	0.2	2.4	1.5	1.5	0.4	1.1	0.7	0.4	0.1	0.6	1.3	0.3	2.6	1.0
West South Central.....	9.6	3.0	3.4	0.4	1.2	1.5	2.3	0.2	10.1	3.3	2.0	0.5	1.3	3.0	0.8	0.7	1.2	2.3	1.2	3.4	1.2
Mountain.....	2.9	3.3	2.5	1.4	4.0	12.1	7.4	6.7	3.4	1.6	12.3	0.9	2.1	2.4	2.5	3.3	1.2	6.4	5.4	5.4	8.6
Pacific.....	4.6	5.9	2.6	2.2	10.4	12.1	8.0	14.2	13.8	4.2	14.9	1.1	4.7	6.0	3.7	8.5	2.1	8.6	8.9	14.4	5.0

#### URBAN AND RURAL COMMUNITIES.

Table 11 shows, for 1910, for the United States as a whole, the number of persons born in each of the leading foreign countries, classified as resident in urban or in rural communities, with corresponding percentages. Urban communities, as defined by the Census Bureau, include all cities and other incorporated places of 2,500 inhabitants or more, including New England towns of that population.

The foreign born from most countries have settled mainly in urban communities. While considerably less than half (46.3 per cent) of the total population of the United States in 1910 was urban, 72.1 per cent of the foreign-born population was urban. There are, however, striking differences in this respect among the

natives of the several foreign countries. In 1910 more than five-sixths of those from Roumania, the West Indies, Russia, Turkey in Asia, and Ireland resided in urban communities, while more than three-fourths of those from Canada who were of French descent, and of those from Turkey in Europe, Italy, and Hungary were urban, and more than seven-tenths of those from China, England, Scotland, Austria, and Greece. On the other hand, less than half of the foreign born from Mexico, Norway, Denmark, and Japan were in urban communities, and the proportion was comparatively low also in the case of persons born in Finland, in Bulgaria, Serbia, or Montenegro, in Switzerland, and in the Netherlands. Of natives of Germany—the most important class in the foreign-

born population—almost exactly two-thirds lived in urban communities.

In general, the immigrants from the countries of southern and eastern Europe, who have come mainly during recent years, have settled in cities to a greater

extent than the immigrants from northwestern Europe, most of whom came at an earlier period. The Irish, however, although most of them came at an earlier period, have manifested a conspicuous preference for urban life.

Table 11

COUNTRY OF BIRTH.	FOREIGN-BORN POPULATION: 1910				COUNTRY OF BIRTH.	FOREIGN-BORN POPULATION: 1910			
	Urban.	Rural.	Per cent urban.	Per cent rural.		Urban.	Rural.	Per cent urban.	Per cent rural.
All foreign countries.....	9,745,697	3,770,169	72.1	27.9	Italy.....	1,049,390	293,735	78.1	21.9
Austria.....	850,507	324,466	72.4	27.6	Japan.....	32,908	34,836	48.6	51.4
Belgium.....	29,449	19,951	59.6	40.4	Mexico.....	75,947	145,968	34.2	65.8
Bulgaria, Serbia, and Montenegro.....	10,938	10,553	50.9	49.1	Netherlands (Holland).....	65,880	54,183	54.9	45.1
Canada—French.....	313,184	71,899	81.3	18.7	Norway.....	170,615	233,262	42.2	57.8
Canada—Other.....	567,801	251,753	69.3	30.7	Portugal.....	41,335	18,025	69.6	30.4
China.....	41,936	14,820	73.9	26.1	Romania.....	60,599	5,530	91.9	8.1
Cuba and other West Indies <sup>1</sup> .....	42,977	4,658	90.2	9.8	Russia.....	1,393,965	208,817	87.0	13.0
Denmark.....	87,752	93,897	48.3	51.7	Scotland.....	189,090	71,986	72.4	27.6
England.....	657,105	249,614	72.6	27.4	Spain.....	14,640	7,468	66.2	33.8
Finland.....	64,810	64,870	50.0	50.0	Sweden.....	402,815	262,392	60.6	39.4
France.....	82,078	35,340	69.9	30.1	Switzerland.....	67,299	57,549	53.9	46.1
Germany.....	1,669,315	832,018	66.7	33.3	Turkey in Asia.....	51,789	7,940	86.7	13.3
Greece.....	72,240	28,492	71.4	28.6	Turkey in Europe.....	25,628	6,602	79.5	20.5
Hungary.....	383,297	112,312	77.3	22.7	Wales.....	54,418	28,070	66.0	34.0
Ireland.....	1,144,997	207,254	84.7	15.3	All other countries.....	50,929	20,629	71.2	28.8

<sup>1</sup> Except Porto Rico.

Table 12 shows, by geographic divisions, the number of the foreign born from each of the leading foreign countries living in urban and rural communities, respectively, together with the percentage urban. It should, of course, be borne in mind that there are great differences among the divisions with respect to the percentage of urban dwellers in the total population, which for comparison is also shown in the table.

#### PRINCIPAL CITIES.

Table 16, page 210, shows, for 1910 and 1900, the foreign-born population of each city of 250,000 inhabitants or more, distributed according to country of birth, while Table 17, pages 211 to 213, gives similar data, for 1910 only, for cities having from 25,000 to 250,000 inhabitants. The tables bring out striking differences among the cities with respect to the relative importance of the different countries in contributing to the foreign-born population. Table 16 also shows that many striking changes occurred between 1900 and 1910.

New York City in 1910 contained one-nineteenth of the total population of the United States and about one-seventh of the total foreign-born population. Of the 1,944,357 residents of the city who were born abroad, 484,193 were natives of Russia, 340,770 of Italy, 278,137 of Germany, 252,672 of Ireland, and

190,246 of Austria, no other country being represented by as many as 100,000.

Of the 783,428 foreign-born residents of Chicago in 1910, 182,289 were born in Germany, 132,063 in Austria, 121,786 in Russia, 65,965 in Ireland, and 63,035 in Sweden, less than 50,000 being natives of any other single country.

The following tabular statement names for each of the cities having over 250,000 inhabitants in 1910 the two countries having the largest representation among the foreign-born population:

CITY.	LEADING COUNTRIES OF ORIGIN OF FOREIGN-BORN POPULATION: 1910	
	First.	Second.
Baltimore.....	Germany.....	Russia.
Boston.....	Ireland.....	Canada.
Buffalo.....	Germany.....	Canada.
Chicago.....	Germany.....	Austria.
Cincinnati.....	Germany.....	Hungary.
Cleveland.....	Austria.....	Germany.
Detroit.....	Germany.....	Canada.
Jersey City.....	Germany.....	Ireland.
Los Angeles.....	Germany.....	Canada.
Newark.....	Germany.....	Russia.
Minneapolis.....	Sweden.....	Norway.
New Orleans.....	Italy.....	Germany.
New York.....	Russia.....	Italy.
Philadelphia.....	Germany.....	Russia.
Pittsburgh.....	Germany.....	Russia.
St. Louis.....	Germany.....	Russia.
San Francisco.....	Germany.....	Ireland.
Washington.....	Ireland.....	Germany.

## PERSONS BORN IN THE LEADING FOREIGN COUNTRIES, RESIDING IN URBAN AND RURAL COMMUNITIES, BY DIVISIONS: 1910.

Table 12 COUNTRY OF BIRTH.	NEW ENGLAND.		MIDDLE ATLANTIC.		EAST NORTH CENTRAL.		WEST NORTH CENTRAL.		SOUTH ATLANTIC.		EAST SOUTH CENTRAL.	
	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.
Total population.....	5,455,345	1,097,336	13,723,373	5,592,519	9,617,271	8,633,350	3,873,716	7,764,205	3,092,153	9,102,742	1,574,229	6,835,672
Total foreign born.....	1,686,187	138,823	4,073,111	778,062	2,195,174	878,592	633,869	982,826	198,996	100,998	58,534	29,291
Austria.....	63,875	5,708	422,723	130,834	264,659	52,810	50,780	65,307	10,736	9,548	1,518	1,472
Canada—French.....	233,255	24,901	16,761	10,251	27,132	19,482	7,936	9,984	458	305	202	129
Canada—Other.....	211,305	36,778	94,120	27,237	143,786	82,740	36,547	48,382	4,603	3,315	2,032	1,146
Denmark.....	6,650	1,039	16,798	3,839	25,293	17,882	17,350	40,560	691	575	247	310
England.....	146,058	9,874	244,792	61,568	110,574	59,615	32,585	36,467	13,256	9,555	4,685	3,121
Finland.....	11,802	2,337	10,999	1,814	16,830	26,612	11,517	18,075	159	293	43	122
France.....	9,988	946	31,945	7,770	11,401	7,614	4,217	5,468	1,733	1,028	1,083	750
Germany.....	64,479	5,788	644,737	110,256	616,208	305,235	153,327	273,212	45,281	17,996	20,325	8,198
Greece.....	16,316	248	14,741	1,152	15,476	2,440	7,436	6,553	3,386	1,234	1,187	210
Hungary.....	15,934	973	199,833	68,118	140,743	21,518	16,335	7,937	2,870	7,730	1,085	657
Ireland.....	320,533	13,953	538,382	77,374	440,681	38,585	44,717	33,897	20,793	6,692	7,475	2,640
Italy.....	168,703	10,727	651,258	132,511	111,023	35,805	24,246	13,992	19,137	19,147	4,602	3,581
Mexico.....	120	18	729	76	470	459	3,440	7,387	203	39	116	110
Netherlands (Holland).....	2,028	116	18,232	8,349	37,011	22,650	3,351	17,659	337	273	207	172
Norway.....	7,732	716	29,977	2,707	50,126	49,066	47,082	151,704	846	623	256	243
Russia.....	184,280	8,419	823,527	69,981	247,067	27,926	53,512	65,171	40,701	8,448	6,782	1,371
Scotland.....	44,963	3,458	70,834	18,161	33,628	15,088	9,758	12,059	3,650	3,495	1,399	1,104
Sweden.....	64,538	6,239	68,215	19,504	128,814	54,326	83,636	129,805	1,686	1,298	732	806
Switzerland.....	3,113	603	25,190	6,158	16,617	16,613	7,090	12,081	1,047	1,029	1,332	1,396
Wales.....	3,147	355	29,649	8,272	11,752	6,507	2,620	5,220	885	1,122	362	367

Table 12—Continued.  COUNTRY OF BIRTH.	WEST SOUTH CENTRAL.		MOUNTAIN.		PACIFIC.		PER CENT OF PERSONS BORN IN SPECIFIED COUNTRY AND LIVING IN SPECIFIED DIVISION WHO LIVE IN URBAN COMMUNITIES.									
	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	New Eng-land.	Mid-dle At-lantic.	East North-Central.	West North-Central.	South Atlantic.	East South-Central.	West South-Central.	Moun-tain.	Pacif-ic.	
Total population.....	1,957,456	6,827,078	947,511	1,686,006	2,382,329	1,809,975	83.3	71.0	52.7	33.3	25.4	18.7	22.3	36.0	56.8	
Total foreign born.....	138,735	213,457	173,662	273,660	581,428	374,380	92.4	84.0	71.4	39.2	68.3	66.6	39.4	39.6	60.8	
Austria.....	4,633	22,691	10,838	21,490	20,745	14,406	91.8	76.4	83.4	43.7	52.9	50.8	17.0	33.5	59.0	
Canada—French.....	536	569	2,099	3,177	4,805	3,161	91.0	62.1	58.2	44.3	64.0	61.0	51.3	39.8	60.3	
Canada—Other.....	4,001	3,624	14,202	17,131	57,205	31,397	83.2	77.6	63.5	43.0	58.1	63.9	52.5	45.3	64.6	
Denmark.....	893	1,363	6,187	11,044	13,643	11,585	86.5	81.4	59.0	27.1	54.6	44.3	39.6	35.9	54.1	
England.....	8,485	6,599	25,066	29,288	51,604	24,527	93.7	79.9	65.0	47.2	58.1	60.0	56.3	46.1	67.8	
Finland.....	139	172	3,329	5,825	9,992	9,620	83.5	85.8	38.7	38.9	35.2	26.1	44.7	36.4	50.9	
France.....	5,554	2,748	1,653	2,614	14,504	6,402	91.3	80.4	60.0	43.5	62.8	59.1	66.9	38.7	69.4	
Germany.....	25,948	43,812	19,632	23,246	79,398	44,255	91.8	85.4	66.9	35.9	71.6	71.3	37.2	45.8	64.2	
Greece.....	1,289	473	3,993	9,270	8,266	7,396	98.5	92.8	86.4	53.2	73.1	85.0	73.2	30.1	52.8	
Hungary.....	664	1,292	1,727	2,569	4,106	1,318	94.2	74.6	86.7	67.3	27.1	62.3	33.9	40.2	73.0	
Ireland.....	8,124	3,870	14,599	12,374	49,693	17,960	95.8	87.4	78.5	56.9	73.7	73.8	67.7	54.3	73.5	
Italy.....	14,647	17,039	10,268	24,165	45,506	36,708	94.0	83.1	73.6	63.4	50.0	56.2	46.2	29.8	55.3	
Mexico.....	42,156	86,761	12,447	33,346	16,246	17,772	87.0	90.6	50.6	31.8	83.9	51.3	32.7	27.2	47.8	
Netherlands (Holland).....	378	534	1,781	1,886	2,535	2,544	94.6	68.6	62.0	13.9	56.7	54.6	41.4	48.6	49.9	
Norway.....	1,070	1,437	5,157	9,972	28,369	16,794	91.5	91.7	50.5	23.7	57.6	51.3	42.7	34.1	62.8	
Russia.....	6,711	7,400	8,578	10,016	22,807	10,085	95.6	92.2	89.8	45.1	82.8	83.2	47.6	46.1	69.3	
Scotland.....	2,038	2,115	6,522	8,621	16,298	7,885	92.9	79.6	69.0	44.7	51.1	55.9	49.1	43.1	67.4	
Sweden.....	2,320	4,143	15,730	19,749	42,138	26,372	91.2	77.8	63.9	39.2	56.5	45.8	35.9	44.2	61.5	
Switzerland.....	1,471	2,297	2,338	4,632	9,081	12,740	83.8	80.4	50.0	37.0	50.4	49.2	39.0	33.5	41.6	
Wales.....	401	495	2,634	3,503	2,948	2,029	85.0	78.2	64.4	31.4	44.1	49.7	44.8	43.1	59.2	

## FOREIGN WHITE STOCK BY COUNTRY OF ORIGIN, BY DIVISIONS: 1910.

COUNTRY OF ORIGIN.	UNITED STATES.				NEW ENGLAND.				MIDDLE ATLANTIC.			
	Total foreign white stock.		Foreign-born white.	Native white of foreign or mixed parentage.	Total foreign white stock.		Foreign-born white.	Native white of foreign or mixed parentage.	Total foreign white stock.		Foreign-born white.	Native white of foreign or mixed parentage.
	Number.	Per cent.			Number.	Per cent.			Number.	Per cent.		
<b>All foreign countries.....</b>	<b>32,243,382</b>	<b>100.0</b>	<b>13,345,545</b>	<b>18,897,837</b>	<b>3,867,095</b>	<b>100.0</b>	<b>1,814,386</b>	<b>2,052,709</b>	<b>10,417,491</b>	<b>100.0</b>	<b>4,826,179</b>	<b>5,591,312</b>
Austria.....	2,001,559	6.2	1,174,924	826,635	107,127	2.8	69,583	37,544	873,467	8.4	553,546	319,921
Belgium.....	89,264	0.3	49,367	39,897	4,159	0.1	3,264	895	16,426	0.2	10,600	5,826
Bulgaria, Servia, and Montenegro.....	22,685	0.1	21,431	1,254	386	(1)	223	63	2,852	(1)	2,561	291
Canada—French.....	932,238	2.9	385,083	547,155	609,341	15.8	278,126	331,085	76,146	0.7	27,012	49,134
Canada—Other.....	1,822,377	5.7	810,987	1,011,390	495,143	12.8	245,659	249,284	247,729	2.4	119,959	127,770
Cuba and other West Indies.....	41,842	0.1	23,169	18,673	2,212	0.1	1,276	936	13,069	0.1	8,212	4,797
Denmark.....	409,044	1.2	181,621	218,423	14,169	0.4	7,063	6,106	20,625	0.3	15,701	4,924
England.....	2,329,442	7.2	876,455	1,445,987	320,834	8.3	155,675	165,159	752,940	7.2	305,826	447,114
Finland.....	211,026	0.7	129,609	81,357	21,378	0.6	14,139	7,239	17,451	0.2	12,811	4,640
France.....	292,389	0.9	117,236	175,153	18,985	0.5	10,917	8,068	82,824	0.8	39,663	43,161
Germany.....	8,282,618	25.7	2,501,181	5,781,437	176,945	4.6	70,261	106,684	2,222,900	21.3	754,939	1,467,961
Greece.....	109,665	0.3	101,264	8,401	18,131	0.5	16,764	1,367	18,009	0.2	15,893	2,116
Hungary.....	709,227	2.2	495,090	204,627	26,016	0.7	16,907	9,109	389,738	3.7	267,949	121,789
Ireland.....	4,504,365	14.0	1,352,155	3,152,210	978,352	25.3	334,455	643,877	1,923,466	18.5	615,717	1,308,369
Italy.....	2,095,360	6.5	1,343,070	755,290	277,361	7.2	179,428	97,933	1,259,462	11.8	788,758	455,704
Mexico.....	382,002	1.2	219,892	162,200	197	(1)	132	65	1,133	(1)	743	410
Netherlands (Holland).....	293,574	0.9	120,053	173,521	1,771	0.1	2,139	58	58,081	0.6	26,577	31,504
Norway.....	979,099	3.0	405,858	575,241	13,367	0.3	8,447	4,920	49,719	0.5	32,680	17,039
Portugal.....	111,122	0.3	57,623	53,499	53,721	1.4	32,453	21,268	1,827	(1)	961	866
Romania.....	87,721	0.3	65,920	21,801	2,821	0.1	2,054	767	60,491	0.6	44,401	16,090
Russia.....	2,541,649	7.9	921,687	1,619,962	291,618	7.5	192,697	98,921	1,382,493	13.3	893,498	488,995
Scotland.....	659,063	2.0	261,034	398,029	97,740	2.5	48,413	49,327	211,237	2.0	88,975	122,262
Spain.....	33,134	0.1	21,977	11,157	1,767	(1)	1,158	609	6,892	0.1	4,564	2,328
Sweden.....	1,364,215	4.2	665,183	699,032	126,471	3.3	70,774	55,697	160,288	1.5	87,717	72,571
Switzerland.....	301,650	0.9	124,534	176,816	6,620	0.2	3,715	2,905	61,143	0.6	31,344	29,799
Turkey in Asia.....	78,631	0.2	59,702	18,929	24,377	0.6	19,257	5,140	20,982	0.2	16,358	4,624
Turkey in Europe.....	33,314	0.1	17,914	15,400	3,302	0.2	8,263	5,039	9,144	0.1	985	8,159
Wales.....	248,947	0.8	82,479	166,468	8,225	0.2	3,702	4,523	109,310	1.0	37,916	71,394
All other countries.....	118,453	0.4	64,845	53,608	29,569	0.8	17,090	12,479	21,409	0.2	13,233	8,176
Of mixed foreign parentage.....	1,177,092	3.7	517,092	660,000	127,973	3.3	62,973	64,973	361,973	3.5	161,973	200,000

**Table 13—Continued.**

COUNTRY OF ORIGIN.	EAST NORTH CENTRAL.				WEST NORTH CENTRAL.				SOUTH ATLANTIC.			
	Total foreign white stock.		Foreign-born white.	Native white of foreign or mixed parentage.	Total foreign white stock.		Foreign-born white.	Native white of foreign or mixed parentage.	Total foreign white stock.		Foreign-born white.	Native white of foreign or mixed parentage.
	Number.	Per cent.			Number.	Per cent.			Number.	Per cent.		
<b>All foreign countries.....</b>	<b>8,175,654</b>	<b>100.0</b>	<b>3,067,220</b>	<b>5,108,434</b>	<b>4,827,934</b>	<b>100.0</b>	<b>1,613,231</b>	<b>3,214,703</b>	<b>730,398</b>	<b>100.0</b>	<b>290,555</b>	<b>439,843</b>
Austria.....	556,527	6.8	317,462	239,065	256,972	5.3	116,281	140,691	33,320	4.6	20,272	13,048
Belgium.....	46,223	0.6	22,925	23,298	11,832	0.2	6,116	5,686	1,609	0.2	1,135	564
Bulgaria, Servia, and Montenegro.....	5,253	0.1	4,916	337	4,697	0.1	4,574	123	196	(1)	174	22
Canada—French.....	145,255	1.8	46,614	98,641	61,047	1.3	17,920	43,127	1,963	0.3	763	1,200
Canada—Other.....	533,884	6.5	223,672	310,212	235,172	4.9	84,055	151,117	17,165	2.4	7,725	9,440
Cuba and other West Indies.....	1,191	(1)	596	595	787	(1)	349	438	21,475	2.9	11,229	10,246
Denmark.....	92,602	1.1	42,872	49,730	150,465	3.1	63,908	86,557	2,522	0.3	1,263	1,259
England.....	503,985	6.2	170,131	333,854	245,227	5.1	69,027	176,200	64,317	8.8	22,582	41,735
Finland.....	76,042	0.9	43,432	32,609	50,711	1.1	29,591	21,120	620	0.1	452	168
France.....	65,150	0.8	19,004	44,420	32,863	0.7	9,681	23,182	7,487	1.0	2,747	4,740
Germany.....	3,172,097	38.8	921,417	2,250,680	1,601,182	33.2	420,531	1,174,651	226,283	31.0	63,239	163,046
Greece.....	19,943	0.2	17,914	2,029	14,631	0.3	13,989	642	5,294	0.7	4,629	665
Hungary.....	214,885	2.6	102,259	52,626	35,111	0.7	24,271	10,840	14,154	1.9	10,599	3,555
Ireland.....	706,740	8.6	179,257	527,483	369,020	7.6	78,607	290,413	111,597	15.3	27,471	84,126
Italy.....	226,150	2.8	146,824	79,326	55,123	1.1	38,234	16,889	55,206	7.6	38,277	16,929
Mexico.....	1,212	(1)	905	307	11,296	0.2	10,696	600	338	(1)	203	135
Netherlands (Holland).....	153,496	1.9	59,661	93,835	54,961	1.1	21,010	33,951	1,528	0.2	629	899
Norway.....	246,136	3.0	99,190	146,946	543,681	11.3	198,785	344,896	3,101	0.4	1,408	1,633
Portugal.....	1,431	(1)	505	926	203	(1)	89	114	314	(1)	143	171
Romania.....	11,894	0.1	9,945	1,949	7,012	0.1	5,401	1,611	1,479	0.2	1,055	424
Russia.....	124,124	5.2	274,963	149,131	232,940	4.8	118,682	114,258	82,203	11.3	49,141	33,062
Spain.....	122,743	1.6	48,712	84,031	73,652	1.5	21,814	51,838	21,692	3.0	7,143	14,549
Sweden.....	1,160	(1)	603	497	1,060	(1)	628	432	5,764	0.9	4,554	1,810
Switzerland.....	365,310	4.5	178,138	187,172	491,949	10.2	213,530	278,419	5,062	0.8	2,981	3,081
Switzerland.....	38,897	1.1	33,229	60,668	56,971	1.2	49,171	37,800	6,178	0.7	2,071	3,107
Turkey in Asia.....	10,170	0.1	7,887	2,283	5,425	0.1	3,873	1,552	3,987	0.5	2,770	1,217
Turkey in Europe.....	7,966	0.1	7,411	525	3,252	0.1	3,049	203	1,545	0.3	1,650	195
Wales.....	78,348	0.7	18,258	60,090	28,129	0.6	7,840	20,289	5,791	0.8	2,006	3,785
All other countries.....	16,265	0.2	8,478	7,787	12,467	0.3	5,449	7,018	3,618	0.5	1,784	1,864
Of mixed foreign parentage.....	287,385	3.5	107,385	180,000	180,000	3.7	62,973	117,027	23,168	3.2	10,000	23,168

1 Less than one-tenth of 1 per cent.

2 Except Porto Rico.

3 Native whites whose parents were born in different foreign countries, for example, one parent in Ireland and the other in Scotland.

## COUNTRY OF ORIGIN.

203

## FOREIGN WHITE STOCK BY COUNTRY OF ORIGIN, BY DIVISIONS: 1910—Continued.

Table 13—Continued.																
COUNTRY OF ORIGIN.	EAST SOUTH CENTRAL.				WEST SOUTH CENTRAL.				MOUNTAIN.				PACIFIC.			
	Total foreign white stock.		For- eign born white.	Native white of for- eign or mixed parent- age.	Total foreign white stock.		For- eign- born white.	Native white of for- eign or mixed parent- age.	Total foreign white stock.		For- eign- born white.	Native white of for- eign or mixed parent- age.	Total foreign white stock.		For- eign- born white.	Native white of for- eign or mixed parent- age.
	Num- ber.	Per cent.			Num- ber.	Per cent.			Num- ber.	Per cent.			Num- ber.	Per cent.		
All foreign countries..	301,834	100.0	88,857	214,977	954,042	100.0	348,759	605,283	1,053,831	100.0	436,910	616,921	1,915,103	100.0	861,448	1,053,655
Austria.....	5,461	1.8	2,989	2,472	67,376	7.1	27,318	40,058	49,228	4.7	32,323	16,903	52,081	2.7	35,148	16,933
Belgium.....	364	0.1	162	202	1,808	0.2	921	887	1,634	0.2	980	654	5,119	0.3	3,264	1,855
Bulgaria, Servia, and Montenegro.....	247	0.1	196	51	468	(1)	395	73	4,848	0.5	4,720	128	3,738	0.2	3,592	146
Canada—French.....	1,028	0.3	331	697	3,542	0.4	1,045	2,497	13,599	1.3	5,276	8,233	20,507	1.1	7,966	12,541
Canada—Other.....	7,709	2.6	3,096	4,613	22,277	2.3	7,509	14,768	73,239	6.9	30,896	42,343	190,059	9.9	88,216	101,843
Cuba and other West Indies <sup>1</sup> .....	324	0.1	157	167	1,360	0.1	523	837	286	(1)	152	134	1,198	0.1	675	523
Denmark.....	1,305	0.4	557	748	5,922	0.6	2,254	3,668	48,377	4.6	17,230	31,147	48,346	2.5	25,227	23,119
England.....	26,230	8.7	7,776	18,454	53,203	5.6	15,014	38,189	171,028	16.2	54,349	116,679	184,078	9.6	76,075	108,698
Finland.....	320	0.1	165	155	466	(1)	310	156	14,078	1.3	9,151	4,927	29,960	1.6	19,608	10,352
France.....	6,888	2.3	1,829	5,059	29,549	3.1	8,242	21,307	9,981	0.9	4,264	5,717	40,382	2.1	29,889	19,493
Germany.....	125,572	41.6	28,516	97,056	275,451	28.9	69,737	205,714	134,967	12.8	42,867	92,070	347,219	18.1	123,644	223,575
Greece.....	1,042	0.3	1,397	245	2,192	0.2	1,762	430	13,438	1.3	13,266	172	16,385	0.9	15,650	735
Hungary.....	2,570	0.9	1,742	828	3,454	0.4	1,956	1,498	6,402	0.6	4,296	2,106	7,897	0.4	5,621	2,276
Ireland.....	51,346	17.0	10,123	41,223	59,331	6.2	11,985	47,346	93,697	8.9	26,872	66,825	212,178	11.1	67,648	144,530
Italy.....	14,838	4.9	8,181	6,657	63,645	6.7	31,686	31,959	50,562	4.8	34,432	16,130	126,013	6.6	82,250	43,763
Mexico.....	340	0.1	209	131	237,893	24.9	127,984	109,909	78,029	7.4	45,159	32,870	51,544	2.7	33,771	17,773
Netherlands (Holland).....	1,031	0.3	379	652	2,435	0.3	912	1,523	7,223	0.7	3,667	3,556	10,909	0.6	5,079	5,830
Norway.....	1,161	0.4	499	662	6,493	0.7	2,505	3,988	32,136	3.0	15,126	17,010	83,305	4.3	45,158	38,147
Portugal.....	39	(1)	7	32	454	(1)	171	283	764	0.1	519	245	52,369	2.7	22,775	29,594
Roumania.....	456	0.2	317	139	574	0.1	435	139	902	0.1	724	178	2,092	0.1	1,588	504
Russia.....	14,118	4.7	8,152	5,966	29,799	3.1	14,108	15,691	30,389	2.9	18,592	11,797	53,965	2.8	32,889	21,076
Scotland.....	8,736	2.9	2,503	6,233	14,933	1.6	4,151	10,782	42,087	4.0	15,142	26,945	56,843	3.0	24,181	32,662
Spain.....	745	0.2	201	544	5,582	0.4	1,613	1,969	3,680	0.3	3,143	537	7,544	0.4	5,093	2,451
Sweden.....	3,580	1.2	1,597	1,983	16,498	1.7	6,460	10,038	73,329	7.0	35,482	37,847	120,748	6.3	68,504	52,244
Switzerland.....	7,872	2.6	2,748	5,124	10,386	1.1	3,767	6,619	16,187	1.5	6,970	9,217	43,396	2.3	21,819	21,577
Turkey in Asia.....	2,030	0.7	1,392	638	3,787	0.4	2,615	1,172	1,729	0.2	1,243	486	6,144	0.3	4,327	1,817
Turkey in Europe.....	394	0.1	282	112	818	0.1	612	206	1,379	0.1	1,320	59	2,304	0.1	2,093	211
Wales.....	2,433	0.8	729	1,704	3,067	0.3	896	2,201	19,810	1.9	6,157	13,653	13,804	0.7	4,975	8,829
All other countries.....	1,434	0.5	625	809	4,253	0.4	1,873	2,380	4,822	0.5	2,560	2,262	24,586	1.3	13,753	10,833
Omitted foreign parent- age <sup>2</sup> .....	11,621	3.9	.....	11,621	28,996	3.0	.....	28,996	56,091	5.3	.....	56,091	99,790	5.2	.....	99,790

<sup>1</sup> Less than one-tenth of 1 per cent.<sup>2</sup> Except Porto Rico.<sup>3</sup> Native whites whose parents were born in different foreign countries; for example, one parent in Ireland and the other in Scotland.

## FOREIGN-BORN POPULATION BY COUNTRY OF BIRTH, FOR THE

Table 14		PERSONS BORN IN—												
DIVISION OR STATE AND CENSUS YEAR.		Total foreign born.	Austria <sup>1</sup>	Belgium.	Bulgaria, Servia, and Montenegro <sup>2</sup>	Canada. <sup>3</sup>		China.	Cuba and other West Indies <sup>4</sup>	Denmark.	England.	Finland. <sup>5</sup>	France.	Germany. <sup>1</sup>
						French.	Other.							
UNITED STATES:														
1	1910.....	13,515,886	1,174,973	49,400	21,511	385,083	819,554	56,756	47,635	181,849	877,719	129,680	117,418	2,501,333
2	1900.....	10,341,276	931,295	29,757	13,534	335,128	784,796	81,534	25,435	153,630	840,513	62,641	104,197	2,813,628
3	1890.....	9,249,560	241,377	22,639	.....	302,496	678,442	106,701	23,236	132,543	909,092	.....	113,174	2,784,884
NEW ENGLAND:														
4	1910.....	1,825,110	69,583	3,264	333	278,156	248,083	2,598	3,101	7,689	155,932	14,139	10,934	70,267
5	1900.....	1,445,237	23,564	1,168	.....	275,433	235,755	3,836	1,600	6,058	139,087	6,291	7,573	73,814
6	1890.....	1,142,852	3,513	647	.....	205,701	174,806	1,686	1,547	3,958	135,569	.....	6,619	63,022
MIDDLE ATLANTIC:														
7	1910.....	4,851,173	533,537	10,601	2,562	27,012	121,357	6,882	21,505	20,637	306,360	12,813	39,715	754,993
8	1900.....	3,317,539	208,591	7,116	.....	29,783	109,642	10,664	8,399	15,176	235,944	5,403	34,749	818,030
9	1890.....	2,745,745	70,290	5,136	.....	25,393	86,469	5,000	5,688	11,239	173,352	.....	34,190	835,299
EAST NORTH CENTRAL:														
10	1910.....	3,073,766	317,469	22,925	4,916	46,614	226,526	2,504	1,082	42,875	170,189	43,442	19,015	921,443
11	1900.....	2,625,226	131,181	14,629	.....	55,554	242,091	2,459	726	40,498	181,843	24,890	29,602	1,073,976
12	1890.....	2,519,924	74,475	11,003	.....	46,789	228,784	1,356	628	33,938	211,738	.....	29,199	1,054,278
WEST NORTH CENTRAL:														
13	1910.....	1,616,095	116,287	6,146	4,577	17,920	84,929	1,010	607	63,910	69,052	29,592	9,685	426,539
14	1900.....	1,533,248	76,216	3,849	.....	21,463	103,213	1,106	366	59,347	78,526	12,746	19,043	496,096
15	1890.....	1,549,190	64,214	3,571	.....	18,924	107,163	1,169	408	55,695	100,496	.....	12,416	515,834
SOUTH ATLANTIC:														
16	1910.....	290,994	20,284	1,135	175	763	7,918	1,223	18,387	1,266	22,811	452	2,761	63,257
17	1900.....	216,030	7,384	248	.....	636	6,284	1,652	12,500	879	20,274	171	2,375	74,215
18	1890.....	208,525	5,862	220	.....	284	5,128	641	12,978	623	21,520	.....	2,569	81,449
EAST SOUTH CENTRAL:														
19	1910.....	87,825	2,990	162	196	331	3,178	313	499	557	7,806	165	1,833	28,523
20	1900.....	90,368	1,514	172	.....	419	2,960	372	253	376	8,608	78	2,219	37,744
21	1890.....	102,114	942	163	.....	124	3,604	229	168	345	10,851	.....	2,699	44,213
WEST SOUTH CENTRAL:														
22	1910.....	352,192	27,324	922	397	1,045	7,625	1,009	1,081	2,256	15,084	311	8,302	69,760
23	1900.....	267,087	20,242	670	.....	1,041	5,842	1,430	827	1,699	13,575	191	9,428	73,798
24	1890.....	219,720	13,155	525	.....	270	4,725	1,143	967	1,043	13,760	.....	11,671	70,452
MOUNTAIN:														
25	1910.....	453,322	32,328	980	4,733	5,270	31,336	4,684	276	17,231	54,354	9,154	4,267	42,898
26	1900.....	301,969	12,744	482	.....	3,608	26,582	7,524	141	15,328	50,766	5,305	3,152	33,161
27	1890.....	257,279	4,904	387	.....	3,361	22,223	11,671	136	13,843	32,606	.....	3,122	31,621
PACIFIC:														
28	1910.....	955,809	35,151	3,265	3,622	7,966	88,602	36,533	1,097	25,228	76,131	19,612	20,906	123,653
29	1900.....	544,352	9,539	1,123	.....	5,183	52,427	53,691	563	14,329	51,897	7,626	14,696	102,794
30	1890.....	315,631	6,022	1,257	.....	8,396	46,510	83,806	766	11,859	51,059	.....	15,745	89,346
NEW ENGLAND:														
Maine:														
31	1910.....	110,562	831	30	32	35,013	41,210	65	80	929	5,651	831	290	1,282
32	1900.....	95,330	203	23	.....	30,908	36,169	102	79	886	4,796	179	180	1,365
New Hampshire:														
33	1910.....	96,067	2,438	175	21	40,865	17,013	53	40	131	4,862	1,198	169	2,046
34	1900.....	88,107	712	25	.....	44,420	14,547	104	21	75	5,100	321	211	2,014
Vermont:														
35	1910.....	49,921	1,087	25	2	14,043	11,415	7	37	172	2,464	293	219	798
36	1900.....	44,747	553	18	.....	14,984	10,671	36	15	110	2,447	53	171	900
Massachusetts:														
37	1910.....	1,659,245	35,455	1,745	169	134,659	162,710	1,873	2,287	6,005	92,658	10,744	5,926	30,555
38	1900.....	846,324	12,931	510	.....	134,416	158,753	2,681	1,693	2,470	82,346	5,104	3,905	32,927
Rhode Island:														
39	1910.....	179,141	6,130	959	50	34,087	7,867	213	316	328	27,834	297	1,711	4,459
40	1900.....	134,519	1,457	383	.....	31,533	7,744	344	185	208	22,832	132	679	4,360
Connecticut:														
41	1910.....	329,374	27,642	330	59	18,889	7,868	353	341	2,724	22,413	776	2,619	31,127
42	1900.....	238,210	7,968	209	.....	19,174	7,871	569	267	2,549	21,569	442	2,427	32,248
MIDDLE ATLANTIC:														
New York:														
43	1910.....	2,748,011	245,004	3,484	1,033	24,563	98,988	4,482	17,483	12,544	146,870	8,760	23,472	436,911
44	1900.....	1,900,425	104,334	1,787	.....	27,199	90,336	6,880	6,436	8,746	135,685	4,048	20,008	499,820
New Jersey:														
45	1910.....	640,788	56,779	1,867	122	1,203	7,932	932	1,917	5,056	50,375	1,640	6,240	122,880
46	1900.....	431,883	17,445	1,197	.....	1,118	6,014	1,344	815	3,899	45,428	367	5,543	121,414
Pennsylvania:														
47	1910.....	1,482,374	251,774	3,250	1,407	1,240	14,437	1,468	2,105	6,034	109,115	2,415	10,063	195,202
48	1900.....	985,250	86,412	4,132	.....	1,468	13,292	1,840	1,150	2,531	114,851	988	9,158	226,796
EAST NORTH CENTRAL:														
Ohio:														
49	1910.....	598,374	72,887	1,525	1,697	2,310	21,382	398	245	1,837	43,347	3,988	4,838	175,095
50	1900.....	458,734	27,982	600	.....	2,903	19,804	348	154	1,408	44,745	2,814	5,604	212,829
Indiana:														
51	1910.....	159,603	11,831	2,298	576	789	5,049	196	82	900	9,783	215	2,388	62,179
52	1900.....	142,121	3,022	2,576	.....	948	4,986	201	36	783	10,874	109	2,954	77,111
Illinois:														
53	1910.....	1,205,314	163,025	9,899	1,875	7,440	38,311	1,540	551	17,369	60,363	2,380	7,972	319,199
54	1900.....	966,747	67,073	4,394	.....	9,129	41,466	1,462	328	15,686	64,396	859	7,787	199,660
Michigan:														
55	1910.....	597,550	31,034	5,683	373	28,083	144,780	187	150	6,315	42,737	31,144	2,421	151,586
56	1900.....	511,653	10,272	2,647	.....	32,483	151,915	245	129	6,330	43,789	19,910	2,390	145,292
Wisconsin:														
57	1910.....	512,865	38,692	4,020	393	7,992	17,094	163	54	16,454	13,959	5,705	1,396	233,384
58	1900.....	315,971	22,832	4,412	.....	10,091	23,800	293	79	16,171	17,995	2,198	1,637	268,384
WEST NORTH CENTRAL:														
Minnesota:														
59	1910.....	545,585	37,121	1,557	2,421	11,062	30,059	249	112	16,137	12,139	26,637	1,460	109,628
60	1900.....	505,318	20,806	95767										



## COUNTRY OF ORIGIN.

205

UNITED STATES AND DIVISIONS, 1900-1910, AND BY STATES, 1910 AND 1900.

## PERSONS BORN IN—

	Greece.	Hun- gary.	Ireland.	Italy.	Japan.	Mexico.	Nether- lands (Hol- land).	Norway.	Portu- gal.	Rouma- nia. <sup>6</sup>	Russia. <sup>7</sup>	Scot- land.	Spain.	Sweden.	Switz- erland.	Tur- key in Asia. <sup>8</sup>	Tur- key in Europe. <sup>5</sup>	Wales.	All other countries. <sup>1</sup>
1	101,282	495,609	1,352,251	1,343,125	67,744	221,915	120,063	403,877	59,360	65,923	1,602,782	231,076	22,108	655,207	124,548	59,729	32,230	82,458	71,558
2	8,515	145,714	1,815,459	484,027	24,768	103,393	103,393	34,821	103,393	15,022	578,102	232,524	7,059	582,014	115,935	9,910	92,586	80,630	9,910
3	1,897	62,435	1,671,508	182,550	2,292	77,833	81,828	322,085	15,996	4,239	182,644	212,231	6,185	478,041	104,069	1,839	100,079	200,813	200,813
4	16,764	16,907	334,486	179,430	261	138	2,144	8,448	33,916	2,054	192,699	48,421	1,160	70,777	3,710	19,240	7,693	3,702	19,102
5	2,102	6,828	387,570	61,297	129	70	1,278	5,244	16,701	480	63,357	42,157	453	59,415	3,181	3,577	3,969	13,196	13,196
6	83	1,614	424,540	16,829	108	141	817	3,927	4,239	.....	11,795	38,806	440	35,821	2,344	458	3,003	13,823	13,823
7	15,893	267,951	615,756	783,799	1,537	505	26,581	32,684	1,030	44,403	893,598	88,995	4,615	87,719	31,348	16,360	8,147	37,921	14,157
8	2,133	90,474	726,306	296,708	512	818	29,312	16,200	548	12,286	323,067	78,459	1,948	74,175	20,955	3,102	43,562	21,875	21,875
9	521	43,916	828,270	101,792	285	510	16,942	12,157	435	.....	81,101	80,576	1,964	51,935	21,864	664	47,478	65,079	65,079
10	17,916	162,261	179,296	146,828	475	929	59,611	99,192	508	9,945	274,993	48,716	614	178,140	33,239	7,888	7,411	18,259	8,534
11	2,062	26,534	238,413	44,521	155	307	52,215	100,159	337	640	78,817	47,063	433	170,923	34,793	.....	3,102	22,122	15,968
12	358	10,116	287,815	16,571	123	336	47,065	104,626	407	.....	27,727	51,250	317	141,291	32,406	.....	146	22,997	78,115
13	13,989	24,272	78,614	38,238	990	10,827	21,010	198,786	89	5,401	118,683	21,817	680	213,531	19,171	3,879	3,409	7,840	5,575
14	2,062	26,534	238,413	44,521	155	307	52,215	100,159	337	640	78,817	47,063	433	170,923	34,793	.....	3,102	22,122	15,968
15	46	3,754	144,904	5,266	26	329	14,214	179,221	108	.....	42,180	30,369	389	194,580	22,009	.....	177	11,406	19,298
16	4,390	10,090	27,485	38,284	149	242	630	1,469	294	1,055	49,149	7,143	983	2,076	2,771	6,511	2,007	2,046	2,046
17	6,793	10,090	27,485	38,284	149	242	630	1,469	294	1,055	49,149	7,143	983	2,076	2,771	6,511	2,007	2,046	2,046
18	167	1,103	48,003	4,894	54	207	131	660	120	218	20,478	6,470	1,279	2,131	1,954	.....	216	1,810	3,077
19	1,397	1,742	10,124	8,183	26	226	379	499	14	317	8,153	2,503	203	1,598	2,748	1,394	282	729	755
20	213	514	16,302	3,608	13	139	271	408	17	618	3,848	2,756	170	1,350	3,216	.....	145	975	1,542
21	76	515	23,411	2,242	9	128	233	262	27	.....	1,247	3,308	161	1,115	3,199	.....	19	1,419	1,975
22	1,782	1,956	11,994	31,686	402	128,917	912	2,507	182	435	14,111	4,153	1,622	6,463	3,768	2,619	613	896	2,077
23	24	1,016	15,338	22,550	28	71,752	494	1,748	166	68	7,346	3,430	892	5,684	3,333	.....	547	821	2,805
24	191	351	19,787	10,072	22	52,001	299	1,545	209	.....	1,460	3,185	1,833	3,065	2,894	.....	73	569	4,631
25	13,269	4,296	26,873	34,433	10,236	45,792	3,667	15,129	525	724	18,394	15,143	3,152	35,485	6,970	1,249	1,231	6,157	2,789
26	314	1,271	36,160	14,245	5,120	21,367	1,292	8,388	317	70	4,630	12,750	407	29,549	5,620	.....	239	6,525	2,406
27	61	480	29,645	7,422	35	16,887	5,676	5,990	336	.....	3,387	12,538	253	22,928	4,288	.....	37	6,910	2,153
28	15,662	5,624	67,633	82,274	53,968	34,038	6,059	45,163	22,892	1,589	32,892	24,183	5,076	68,510	21,821	4,329	2,903	4,977	16,520
29	542	1,177	55,948	25,915	18,555	8,212	1,971	17,740	12,347	116	8,954	15,373	1,006	31,841	15,476	.....	743	3,859	11,209
30	384	546	75,828	17,492	1,630	7,294	1,231	14,307	10,084	.....	7,841	15,055	905	24,969	13,150	.....	212	3,910	11,075
31	579	157	7,890	3,468	12	28	27	509	33	20	4,752	2,389	111	2,203	56	744	721	204	295
32	7	29	10,159	1,334	10	2	22	509	33	20	1,358	2,127	29	1,935	45	.....	84	199	540
33	2,634	66	10,613	2,071	1	6	48	491	110	26	4,345	1,979	17	2,068	78	891	1,965	58	189
34	44	84	13,547	947	1	3	21	293	29	1	1,044	2,019	5	2,032	96	.....	65	68	256
35	113	579	4,940	4,594	3	6	25	102	79	17	2,455	2,615	351	1,331	214	189	31	1,043	112
36	3	128	7,453	2,154	1	3	20	54	53	.....	615	2,049	53	1,020	98	.....	22	1,056	207
37	11,413	1,996	222,867	85,056	150	71	1,597	5,432	26,447	858	117,201	28,416	549	39,562	1,341	12,546	3,992	1,513	16,492
38	1,843	926	249,916	28,789	78	41	966	3,533	13,453	128	37,919	24,382	230	32,192	1,277	.....	2,896	1,680	9,155
39	951	294	29,718	27,387	30	8	143	578	6,501	41	9,765	6,272	40	7,405	221	3,132	658	268	1,202
40	84	69	35,501	8,972	14	4	69	342	2,545	110	3,278	5,455	23	6,072	166	.....	284	256	1,538
41	1,074	13,855	58,458	56,954	65	19	304	1,265	707	718	54,121	6,750	92	18,208	1,806	1,738	696	610	1,800
42	121	5,692	70,994	19,103	25	22	153	709	568	247	19,143	6,175	104	16,164	1,499	.....	226	650	1,880
43	10,097	90,843	367,889	472,201	1,103	555	12,632	25,013	660	34,443	558,956	39,437	3,766	53,705	16,315	9,478	5,004	7,464	8,776
44	1,573	37,168	425,553	182,248	392	353	9,414	12,601	362	10,549	202,957	33,862	1,614	42,708	13,678	.....	1,913	7,394	10,095
45	1,575	47,610	82,758	115,446	393	97	12,698	5,351	145	2,208	93,567	17,512	495	10,547	7,549	2,396	389	1,202	2,104
46	115	14,913	94,844	41,865	67	55	10,261	2,296	62	475	240,988	14,211	154	7,337	6,570	.....	636	1,195	3,654
47	4,221	123,488	165,109	196,122	181	153	1,231	2,320	225	7,782	240,983	32,046	355	23,467	7,484	4,496	2,754	29,255	3,777
48	465	47,393	205,909	60,655	53	110	637	1,293	124	1,289	93,712	30,386	189	24,130	6,707	.....	531	35,455	7,526
49	2,555	85,881	40,062	41,620	70	85	2,278	1,110	182	3,974	48,756	10,705	123	5,522	10,988	2,631	1,945	9,377	1,561
50	213	16,463	55,015	11,321	28	53	1,719	639	117	100	14,542	9,327	44	3,951	12,007	.....	164	11,481	2,236
51	1,370	14,370	11,266	6,911	41	47	2,131	531	6	709	9,509	3,419	40	5,081	8,765	809	2,274	1,498	510
52	82	1,379	16,306	1,327	6	43	1,678	384	4	64	2,273	2,805	75	4,673	3,472	.....	73	2,083	1,063
53	10,031	39,859	93,455	72,103	274	672	14,402	32,913	291	4,306	149,016	20,755	364	115,424	8,661	2,690	2,453	4,084	4,040
54	1,570	6,734	114,563	23,523	102	156	11,916	29,879	200	312	45,790	20,602	227	109,147	9,033	.....	286	4,364	6,960
55	1,196	11,597	20,434	16,801	30	86	33,471	7,638	20	510	37,978	9,932	53	26,874	2,780	1,567	342	796	1,354
56	184	835	29,182	6,178	14	56	30,406	7,582	10	11	8,662	10,343	81	26,956	2,617	.....	101	888	2,935
57	2,764	10,554	14,049	9,273	34	39	7,379	57,000	9	446	29,644	3,885	34	25,739	8,036	791	397	2,507	1,064
58	63	1,123	23,544	2,172	5	499	6,496	61,575	6	53	7,550	4,569	20	26,196	7,660	.....	146	3,356	3,069
59	1,660	5,582	15,859	9,609	67	52	3,742	105,303	16	2,008	17,541	4,373	53	122,428	2,992	698	328	1,023	1,610
60	73	2,182	22,428	2,222	58	24	2,717	104,895	8	483	7,386	4,810	150	115,476	3,228	.....	125	1,288	2,497
61	3,356	1,178	17,756	5,846	33	620	11,337	21,924	8	384	6,310	5,162	40	26,763	3,675	600	479	2,434	1,292
62	18	453	28,321	1,198	11	29	9,388	25,634	2	84	2,455	6,428	21	29,875	4,342	.....	93	3,091	1,614
63	2																		

## FOREIGN-BORN POPULATION BY COUNTRY OF BIRTH, FOR THE

Table 11—Continued.		Total foreign born.	PERSONS BORN IN—											
DIVISION OR STATE AND CENSUS YEAR.	Austria.		Bel- gium.	Bulga- ria, Ser- via, and Monte- negro.	Canada, <sup>2</sup>		China.	Cuba and other West Indies. <sup>3</sup>	Den- mark.	England.	Fin- land.	France.	Germany.	
					French.	Other.								
WEST NORTH CENTRAL—Contd.														
South Dakota:														
1910.....	100,790	5,372	237	501	998	5,012	98	17	6,294	4,024	1,381	252	21,544	
1900.....	88,508	3,263	126	.....	1,138	5,906	150	10	5,038	3,862	1,175	262	18,172	
Nebraska:														
1910.....	176,662	24,362	491	183	674	6,661	89	47	13,474	8,069	79	629	57,302	
1900.....	177,347	21,188	272	.....	1,639	8,010	190	31	12,531	9,757	37	876	66,811	
Kansas:														
1910.....	135,450	12,094	1,706	118	1,087	6,101	16	74	2,760	11,262	49	2,657	34,508	
1900.....	126,685	6,646	985	.....	1,485	7,053	38	37	2,914	13,283	44	2,012	39,689	
SOUTH ATLANTIC.														
Delaware:														
1910.....	17,492	992	8	1	63	441	29	34	52	1,558	9	170	2,573	
1900.....	13,810	227	9	.....	41	257	51	33	43	1,506	23	148	2,771	
Maryland:														
1910.....	104,944	8,254	59	31	110	1,320	299	453	237	5,211	47	552	36,657	
1900.....	93,954	4,869	40	.....	87	1,143	392	369	177	5,299	28	534	45,865	
District of Columbia:														
1910.....	24,902	459	41	10	109	1,052	270	243	176	2,438	21	511	5,179	
1900.....	20,119	201	32	.....	97	809	417	134	88	2,259	14	389	5,868	
Virginia:														
1910.....	27,057	1,281	48	10	104	1,256	126	233	240	3,687	50	300	4,228	
1900.....	19,461	535	19	.....	104	1,026	218	107	128	3,425	36	316	4,510	
West Virginia:														
1910.....	57,218	8,340	800	100	88	784	62	46	67	3,511	127	535	6,327	
1900.....	22,451	1,143	79	.....	72	639	47	12	60	2,622	6	298	6,670	
North Carolina:														
1910.....	6,062	139	5	2	29	514	61	43	36	940	18	114	1,074	
1900.....	4,492	31	16	.....	36	444	44	37	36	904	3	95	1,198	
South Carolina:														
1910.....	6,179	222	97	1	39	243	46	59	51	517	42	70	1,744	
1900.....	5,528	92	10	.....	31	173	61	57	55	474	9	84	2,082	
Georgia:														
1910.....	15,477	349	27	6	70	731	174	226	112	1,671	49	224	3,029	
1900.....	12,403	230	25	.....	80	679	184	157	88	1,514	10	249	3,435	
Florida:														
1910.....	40,633	228	50	14	151	1,577	156	17,056	295	3,678	89	285	2,446	
1900.....	23,832	116	18	.....	88	1,114	118	11,654	204	2,231	42	262	1,816	
EAST SOUTH CENTRAL.														
Kentucky:														
1910.....	40,162	1,032	73	77	98	972	34	42	78	2,619	18	645	19,351	
1900.....	50,249	543	77	.....	136	1,072	46	28	77	3,256	6	983	27,565	
Tennessee:														
1910.....	18,607	637	27	11	91	1,065	40	71	163	2,045	21	305	3,903	
1900.....	17,746	321	26	.....	119	926	66	46	117	2,267	16	332	4,589	
Alabama:														
1910.....	19,286	904	45	106	96	737	44	230	197	2,265	38	592	3,603	
1900.....	14,592	390	45	.....	89	617	54	134	96	2,347	28	539	3,642	
Mississippi:														
1910.....	9,770	417	17	2	46	404	195	156	119	777	88	291	1,696	
1900.....	7,981	200	24	.....	75	245	206	45	86	798	28	365	1,928	
WEST SOUTH CENTRAL.														
Arkansas:														
1910.....	17,046	1,268	111	17	119	955	44	27	178	1,519	15	387	5,815	
1900.....	14,289	851	14	.....	161	932	50	22	135	1,394	3	387	6,074	
Louisiana:														
1910.....	52,766	1,507	242	25	250	941	346	630	239	2,686	118	5,345	8,926	
1900.....	52,903	798	315	.....	253	781	554	543	216	2,968	73	6,530	11,806	
Oklahoma:														
1910.....	40,442	3,889	191	115	330	2,551	127	65	550	2,981	18	749	10,600	
1900.....	20,538	1,807	97	.....	227	1,580	59	19	259	1,900	2	516	5,999	
Texas:														
1910.....	241,938	20,570	328	240	356	3,178	492	359	1,289	8,498	160	1,821	44,929	
1900.....	179,357	16,696	244	.....	400	2,549	767	243	1,089	8,213	113	2,025	49,859	
MOUNTAIN.														
Montana:														
1910.....	94,713	8,350	235	2,155	2,874	10,968	1,098	39	1,943	8,981	4,111	639	8,660	
1900.....	67,067	3,786	145	.....	3,516	10,310	1,675	18	1,041	8,077	2,103	539	7,192	
Idaho:														
1910.....	42,578	1,561	94	576	796	4,575	773	13	2,254	4,983	652	333	5,040	
1900.....	24,604	377	42	.....	395	2,528	1,411	10	1,626	3,943	262	194	2,987	
Wyoming:														
1910.....	29,020	3,606	82	331	143	1,288	204	38	962	2,985	1,380	316	2,638	
1900.....	17,415	1,132	29	.....	150	1,068	424	8	884	2,566	1,230	188	2,187	
Colorado:														
1910.....	129,587	13,043	375	608	789	8,792	330	99	2,756	12,928	1,239	1,374	17,071	
1900.....	91,155	6,381	170	.....	900	8,837	581	71	2,659	13,575	844	1,162	14,666	
New Mexico:														
1910.....	23,146	1,233	44	167	111	912	202	25	116	1,101	26	336	1,746	
1900.....	13,625	376	25	.....	84	680	314	9	57	968	29	298	1,365	
Arizona:														
1910.....	48,765	1,483	50	371	177	1,650	1,016	37	284	3,500	560	323	1,846	
1900.....	24,333	318	33	.....	153	1,116	1,296	17	199	1,561	32	253	1,247	
Utah:														
1910.....	65,822	1,870	74	346	114	1,576	311	9	8,809	18,983	1,012	303	3,963	
1900.....	53,777	272	29	.....	128	1,203	544	6	9,132	18,879	734	229	2,365	
Nevada:														
1910.....	19,691	822	26	178	272	1,575	790	16	616	1,793	171	653	1,916	
1900.....	10,693	102	9	.....	222	810	1,279	2	339	1,167	51	303	1,182	
PACIFIC.														
Washington:														
1910.....	256,241	12,745	1,228	1,667	3,711	35,771	2,301	175	7,804	19,430	8,719	2,340	29,388	
1900.....	111,364	2,788	340	.....	1,399	18,385	3,462	67	3,626	16,481	2,732	1,065	16,831	
Oregon:														
1910.....	113,136	5,241	573	1,095	1,146	11,233	6,468	68	3,215	7,968	4,734	1,159	17,958	
1900.....	65,748	1,139	213	.....	874	6,634	9,367	31	1,663	5,063	2,131	775	13,327	
California:														
1910.....	586,432	17,165	1,464	830	3,109	41,568	27,764	854	14,209	48,703	6,159	17,407	76,307	
1900.....	367,240	5,932	785	.....	2,440	27,408	40,262	965	9,949	35,746	2,760	12,256	72,636	

## 207

[\[1\]](#) [\[2\]](#) [\[3\]](#) [\[4\]](#) [\[5\]](#) [\[6\]](#) [\[7\]](#) [\[8\]](#) [\[9\]](#) [\[10\]](#) [\[11\]](#) [\[12\]](#) [\[13\]](#) [\[14\]](#) [\[15\]](#) [\[16\]](#) [\[17\]](#) [\[18\]](#) [\[19\]](#) [\[20\]](#) [\[21\]](#) [\[22\]](#) [\[23\]](#) [\[24\]](#) [\[25\]](#) [\[26\]](#) [\[27\]](#) [\[28\]](#) [\[29\]](#) [\[30\]](#) [\[31\]](#) [\[32\]](#) [\[33\]](#) [\[34\]](#) [\[35\]](#) [\[36\]](#) [\[37\]](#) [\[38\]](#) [\[39\]](#) [\[40\]](#) [\[41\]](#) [\[42\]](#) [\[43\]](#) [\[44\]](#) [\[45\]](#) [\[46\]](#) [\[47\]](#) [\[48\]](#) [\[49\]](#) [\[50\]](#) [\[51\]](#) [\[52\]](#) [\[53\]](#) [\[54\]](#) [\[55\]](#) [\[56\]](#) [\[57\]](#) [\[58\]](#) [\[59\]](#) [\[60\]](#) [\[61\]](#) [\[62\]](#) [\[63\]](#) [\[64\]](#) [\[65\]](#) [\[66\]](#) [\[67\]](#) [\[68\]](#) [\[69\]](#) [\[70\]](#) [\[71\]](#) [\[72\]](#) [\[73\]](#) [\[74\]](#) [\[75\]](#) [\[76\]](#) [\[77\]](#) [\[78\]](#) [\[79\]](#) [\[80\]](#) [\[81\]](#) [\[82\]](#) [\[83\]](#) [\[84\]](#) [\[85\]](#) [\[86\]](#) [\[87\]](#) [\[88\]](#) [\[89\]](#) [\[90\]](#) [\[91\]](#) [\[92\]](#) [\[93\]](#) [\[94\]](#) [\[95\]](#) [\[96\]](#) [\[97\]](#) [\[98\]](#) [\[99\]](#) [\[100\]](#)

<sup>5</sup>Included persons in 1900 reported as born in Poland, without specification as to whether German, Austrian, or Russian Poland.

## NATIVE WHITE POPULATION OF FOREIGN OR MIXED PARENTAGE,

Table 15		NATIVE WHITE PERSONS HAVING BOTH PARENTS BORN IN COUNTRY SPECIFIED, OR ONE PARENT SO BORN AND THE OTHER NATIVE.												
DIVISION AND STATE.		Total native white persons of foreign or mixed parentage.	Austria.	Belgium.	Bulgaria, Servia, and Montenegro.	Canada.		Cuba and other West Indies.	Denmark.	England.	Finland.	France.	Germany.	Greece.
						French.	Other.							
1	United States.....	18,897,837	826,635	39,867	1,234	547,155	1,011,390	18,673	218,443	1,455,987	81,357	175,153	5,781,437	8,401
GEOGRAPHIC DIVISIONS:														
2	New England.....	2,052,709	37,544	895	63	331,085	249,284	936	6,514	165,159	7,239	8,068	106,684	1,367
3	Middle Atlantic.....	5,591,312	319,921	5,826	291	49,134	127,770	4,797	15,701	447,114	4,640	43,161	1,497,961	2,116
4	East North Central.....	5,108,434	239,065	23,298	337	98,641	310,212	595	49,730	333,854	32,600	44,425	2,250,680	2,029
5	West North Central.....	3,214,703	140,691	5,656	123	43,127	151,117	438	86,557	126,200	21,120	23,182	1,174,651	642
6	South Atlantic.....	439,843	13,048	564	22	1,200	9,440	10,246	1,259	41,735	168	4,740	163,046	665
7	East South Central.....	214,977	2,472	202	51	697	4,613	167	748	18,454	155	5,059	97,056	245
8	West South Central.....	605,283	40,058	887	73	2,497	14,768	837	3,668	38,189	156	21,307	205,714	430
9	Mountain.....	616,921	16,903	654	128	8,233	42,343	134	31,147	116,679	4,927	5,717	92,070	172
10	Pacific.....	1,653,655	16,933	1,855	146	12,541	101,843	523	23,119	108,603	10,352	19,493	223,575	735
NEW ENGLAND:														
11	Maine.....	134,955	389	20	19	40,494	49,884	52	1,055	6,927	383	321	2,004	53
12	New Hampshire.....	103,117	990	34	.....	40,489	19,066	28	124	6,478	636	199	2,487	88
13	Vermont.....	75,055	436	22	2	25,876	16,037	10	142	3,959	174	270	1,349	18
14	Massachusetts.....	1,170,447	18,266	417	17	160,023	147,515	514	2,669	91,882	5,426	3,903	47,174	1,003
15	Rhode Island.....	194,646	2,950	213	3	39,127	7,538	156	261	25,909	165	669	6,564	102
16	Connecticut.....	374,489	14,523	189	22	24,476	8,344	176	2,263	30,004	455	2,616	47,106	103
MIDDLE ATLANTIC:														
17	New York.....	3,007,248	137,163	1,534	81	45,132	100,727	3,245	8,173	194,961	2,746	22,509	797,706	1,180
18	New Jersey.....	777,797	31,429	1,001	45	1,572	8,813	693	4,611	71,744	619	6,799	210,756	307
19	Pennsylvania.....	1,806,297	151,329	3,291	165	2,430	18,230	859	2,917	180,409	1,275	13,853	459,499	629
EAST NORTH CENTRAL:														
20	Ohio.....	1,024,393	52,713	1,171	165	5,051	26,009	139	1,958	84,777	3,313	14,026	498,704	399
21	Indiana.....	350,551	6,005	1,907	21	2,214	8,552	45	1,274	24,886	100	6,699	202,021	108
22	Illinois.....	1,723,817	117,824	5,459	90	16,137	43,299	264	16,151	108,063	792	13,791	695,226	1,148
23	Michigan.....	964,882	19,488	4,822	21	54,826	103,985	100	8,486	77,599	24,404	6,249	263,170	148
24	Wisconsin.....	1,044,761	43,035	9,939	40	20,413	33,367	47	21,861	38,529	3,991	3,661	561,559	226
WEST NORTH CENTRAL:														
25	Minnesota.....	941,136	38,058	1,604	53	24,145	45,270	52	21,387	24,370	17,826	3,022	287,232	190
26	Iowa.....	632,181	23,919	857	17	3,192	25,660	88	23,789	46,639	51	4,500	261,247	154
27	Missouri.....	518,201	13,567	911	16	2,175	13,269	190	2,527	34,662	64	8,202	279,287	161
28	North Dakota.....	251,236	6,051	290	2	4,760	25,747	4	6,848	6,253	1,424	629	43,195	20
29	South Dakota.....	217,491	7,884	347	6	2,900	11,204	30	8,669	10,551	1,694	851	61,250	11
30	Nebraska.....	362,353	38,449	364	6	2,117	15,135	39	18,889	22,585	46	1,748	144,412	55
31	Kansas.....	292,105	12,763	1,343	23	3,838	14,832	35	4,457	30,840	15	4,230	98,028	61
SOUTH ATLANTIC:														
32	Delaware.....	23,873	407	.....	.....	61	371	19	36	3,025	.....	202	4,993	16
33	Maryland.....	191,838	8,005	44	2	167	1,530	168	246	10,644	8	1,139	98,673	161
34	District of Columbia.....	45,066	351	33	4	184	1,388	95	149	5,061	6	558	13,119	73
35	Virginia.....	37,943	1,012	38	5	200	1,443	49	235	5,751	28	510	9,564	71
36	West Virginia.....	57,628	2,495	348	4	188	1,187	7	99	6,804	37	785	18,534	30
37	North Carolina.....	8,851	85	5	.....	66	601	21	41	1,706	20	179	2,274	29
38	South Carolina.....	11,137	194	11	.....	32	313	23	77	1,031	5	219	3,955	49
39	Georgia.....	25,672	309	40	1	124	954	122	105	3,216	16	583	6,838	145
40	Florida.....	35,825	190	45	6	178	1,653	9,742	271	4,497	48	505	5,046	91
EAST SOUTH CENTRAL:														
41	Kentucky.....	124,704	685	115	16	299	1,530	21	136	7,229	14	2,154	72,909	30
42	Tennessee.....	38,367	504	25	12	224	1,455	22	206	4,433	14	786	10,629	66
43	Alabama.....	32,417	758	31	23	165	1,044	60	233	4,619	37	1,148	8,528	126
44	Mississippi.....	19,489	525	31	.....	99	584	64	173	2,153	90	971	4,990	23
WEST SOUTH CENTRAL:														
45	Arkansas.....	36,608	1,289	72	21	308	1,652	20	270	4,195	15	1,003	14,790	36
46	Louisiana.....	112,717	1,287	439	10	455	1,533	638	517	5,081	69	14,609	32,369	142
47	Oklahoma.....	94,044	4,948	161	34	1,016	6,133	39	1,005	10,516	14	1,701	31,696	44
48	Texas.....	361,914	32,534	215	8	718	5,430	140	1,786	17,797	58	3,994	126,859	208
MOUNTAIN:														
49	Montana.....	105,809	4,471	159	26	3,730	12,430	16	1,998	11,756	2,512	746	17,990	29
50	Idaho.....	75,105	714	65	4	1,221	6,891	10	5,212	16,073	302	626	12,174	27
51	Wyoming.....	32,504	1,524	54	5	316	2,110	5	1,387	5,881	774	352	5,496	22
52	Colorado.....	181,423	8,292	279	41	1,742	12,797	69	2,955	23,722	618	2,280	38,511	48
53	New Mexico.....	26,331	474	26	3	293	1,830	10	166	2,294	.....	487	4,397	3
54	Arizona.....	42,176	451	35	18	233	1,868	14	418	3,774	139	375	3,810	11
55	Utah.....	131,527	758	19	25	349	3,026	4	18,311	49,934	523	480	5,965	23
56	Nevada.....	20,951	219	17	6	349	1,891	6	700	3,245	59	371	3,418	9
PACIFIC:														
57	Washington.....	282,528	6,186	577	25	5,667	39,003	60	7,274	27,055	4,539	2,704	58,096	139
58	Oregon.....	135,238	2,332	508	25	1,917	15,366	29	3,558	14,717	2,977	1,566	35,402	116
59	California.....	635,889	8,415	770	96	4,957	47,474	424	12,257	66,821	2,836	15,223	130,077	480

1 Except Porto Rico.

## COUNTRY OF ORIGIN.

209

BY COUNTRY OF ORIGIN, BY DIVISIONS AND STATES: 1910.

NATIVE WHITE PERSONS HAVING BOTH PARENTS BORN IN COUNTRY SPECIFIED, OR ONE PARENT SO BORN AND THE OTHER NATIVE—continued.																	Persons of mixed parentage. <sup>2</sup>
Hungary.	Ireland.	Italy.	Mexico.	Netherlands (Holland).	Norway.	Portugal.	Romania.	Russia.	Scotland (Holland).	Spain.	Sweden.	Switzerland.	Turkey in Asia.	Turkey in Europe.	Wales.	All other countries.	
1 204,627	3,152,205	755,290	162,200	173,521	575,241	53,499	21,801	938,537	398,629	11,157	699,032	176,816	18,923	3,033	168,468	53,608	1,177,092
2 9,109	643,877	97,933	65	1,771	4,920	21,268	767	98,921	49,327	609	55,067	2,965	5,140	587	4,523	12,479	127,972
3 121,789	1,306,382	445,704	410	31,504	17,039	866	16,090	488,995	122,262	2,328	72,551	29,799	4,624	965	71,394	8,176	361,972
4 52,636	527,483	79,326	307	93,835	146,946	926	1,949	149,131	84,631	497	187,172	60,668	2,283	525	40,090	7,787	287,385
5 10,840	290,413	16,886	600	33,951	344,896	114	1,611	114,258	51,838	382	278,419	37,800	1,552	203	20,289	7,018	180,086
6 3,555	84,126	16,929	135	899	1,633	171	421	33,062	14,549	1,810	3,081	3,107	1,217	105	3,785	1,864	23,168
7 828	41,223	6,637	131	652	662	32	139	5,966	6,233	544	1,983	5,124	638	112	1,704	809	11,621
8 1,498	47,346	31,959	109,909	1,523	3,988	283	139	15,691	10,782	1,969	10,058	6,619	1,172	206	2,201	2,380	28,996
9 2,106	66,825	16,130	32,870	3,556	17,010	245	178	11,797	26,945	537	37,847	9,217	486	51	13,633	2,262	56,091
10 2,276	144,530	43,763	17,773	5,830	38,147	29,594	504	21,076	32,662	2,481	52,244	21,577	1,817	219	8,829	10,833	99,790
11 70	17,059	1,120	3	45	506	114	6	2,415	2,712	66	2,105	62	293	52	347	278	6,101
12 43	19,976	871	2	35	361	43	8	1,546	2,329	19	1,488	85	249	38	67	110	4,328
13 93	14,687	2,023	3	35	73	40	1	1,166	2,758	77	1,690	98	83	46	4,159	93	3,235
14 1,133	410,160	45,521	37	1,289	2,938	15,966	232	59,239	27,071	326	28,908	1,067	3,259	351	1,715	10,805	80,901
15 158	58,490	15,578	6	99	339	4,325	172	5,123	6,154	32	5,810	145	790	48	387	672	12,638
16 7,612	125,505	32,820	14	268	703	760	328	29,432	8,303	89	16,296	1,448	466	52	848	521	20,720
17 44,486	723,263	266,867	239	15,251	12,392	511	12,662	289,372	51,249	1,817	36,532	13,241	2,361	556	12,264	4,261	294,767
18 21,089	177,743	76,405	74	14,805	3,601	81	1,029	53,117	20,587	231	7,801	6,211	756	77	2,082	1,337	52,982
19 56,214	405,376	102,432	97	1,448	1,646	274	2,399	146,506	50,426	280	28,218	10,347	1,507	362	57,048	2,578	104,223
20 30,254	126,791	20,712	80	3,592	922	189	534	27,393	19,429	105	5,533	22,959	600	219	22,129	1,388	53,139
21 4,252	41,942	2,229	44	3,240	662	22	76	4,986	7,098	61	6,720	7,400	294	32	2,592	716	14,293
22 12,907	236,983	44,525	119	18,002	35,525	646	1,076	78,944	32,857	245	114,709	12,998	592	119	7,546	3,451	99,659
23 2,601	60,981	7,893	42	54,560	9,136	29	159	22,045	15,525	50	30,563	4,411	514	81	1,573	1,421	69,997
24 2,612	60,786	3,967	22	14,441	100,701	40	104	15,763	9,122	36	29,647	12,840	283	74	6,250	1,108	50,297
25 2,978	56,916	3,339	39	5,292	174,304	18	673	12,766	8,282	49	145,591	5,589	261	41	2,909	1,992	56,828
26 849	74,259	1,714	44	17,411	44,978	12	77	3,512	13,702	48	39,482	7,459	144	35	6,142	2,000	30,160
27 3,043	75,346	8,134	161	1,944	1,080	18	397	12,861	8,786	151	7,873	11,066	423	38	3,258	1,108	27,483
28 1,813	9,203	163	3	1,202	77,347	7	383	30,276	2,422	9	14,640	1,157	249	16	559	225	16,429
29 468	14,419	445	12	4,022	39,828	6	17	19,824	3,080	4	13,294	1,650	96	18	1,560	474	12,577
30 689	29,538	1,041	29	2,219	4,957	25	57	11,865	6,288	43	35,267	4,217	292	34	2,258	512	19,177
31 1,000	30,732	2,113	312	1,761	2,402	28	7	23,184	9,278	78	22,322	6,662	87	21	3,603	617	17,433
32 129	10,054	1,636	2	22	27	3	12	1,999	553	21	293	64	10	3	116	73	1,666
33 700	29,998	4,200	18	295	308	43	74	19,433	4,889	93	470	493	30	20	4,439	554	7,994
34 95	13,903	1,792	14	109	169	7	14	2,340	1,312	62	303	324	84	7	248	171	3,631
35 699	7,037	1,620	11	168	386	33	55	3,228	1,933	45	353	309	300	46	317	235	2,262
36 1,652	10,848	3,897	1	71	41	3	21	2,151	2,236	91	320	1,303	289	69	1,329	102	2,646
37 20	1,095	249	7	34	41	13	17	628	762	16	106	115	127	13	66	99	416
38 31	2,646	232	4	15	59	7	5	661	555	32	88	51	116	14	18	102	592
39 184	5,889	428	16	90	141	16	41	2,254	1,217	105	349	256	173	14	143	205	1,698
40 45	2,596	2,875	62	95	461	46	185	368	1,002	1,345	799	192	88	9	109	323	2,863
41 133	23,773	1,229	24	324	79	7	42	2,395	1,807	41	252	2,924	131	18	616	264	5,597
42 359	8,848	1,725	30	148	153	8	21	1,757	1,532	42	518	1,597	75	10	599	183	2,546
43 300	4,892	1,981	51	107	282	10	58	1,103	2,401	170	755	376	185	31	456	198	2,589
44 36	3,710	1,722	26	73	148	7	18	711	673	291	458	227	247	53	33	164	1,189
45 270	4,491	953	93	235	126	2	14	654	1,255	28	550	1,151	51	13	405	232	2,414
46 304	15,105	23,678	645	195	344	171	23	1,380	1,365	1,693	592	905	467	66	191	678	8,146
47 352	10,191	1,505	489	527	857	11	8	8,778	3,363	33	2,001	1,720	188	54	940	337	5,293
48 572	17,559	6,823	108,682	566	2,661	99	94	4,679	4,799	215	6,895	2,843	466	73	665	1,133	13,143
49 656	18,962	1,409	36	962	6,773	10	25	1,215	3,538	22	5,392	1,036	84	3	1,436	241	9,137
50 67	5,537	560	41	378	3,510	33	1	709	3,173	134	6,000	2,039	37	1	2,434	328	6,834
51 170	3,877	528	148	92	626	8	12	334	2,418	14	2,053	403	11	12	810	113	2,949
52 998	24,387	9,815	787	1,024	2,247	46	120	8,809	7,419	128	12,968	2,217	170	26	3,428	502	14,683
53 72	2,078	868	10,030	121	180	8	.....	158	910	51	384	266	92	9	186	84	1,351
54 63	3,351	658	21,650	71	270	9	9	149	946	61	729	318	55	5	351	129	2,206
55 70	4,333	1,111	39	861	3,205	16	9	312	7,623	25	9,836	2,548	35	1	4,605	716	16,675
56 10	4,300	1,181	139	47	199	115	2	51	918	102	485	390	2	2	313	149	2,256
57 547	25,378	3,462	83	2,648	24,361	247	64	7,025	9,130	138	23,884	3,759	112	41	3,252	839	26,223
58 378	11,948	1,284	97	1,069	6,592	155	52	3,472	5,068	118	8,999	4,320	43	21	1,687	619	12,323
59 1,351	107,294	39,017	17,593	2,113	7,194	29,192	388	10,579	18,464	2,225	20,261	13,498	1,662	149	4,120	9,375	61,244

<sup>2</sup> Native whites whose parents were born in different foreign countries; for example, one parent in Ireland and one in Scotland.

## FOREIGN-BORN POPULATION BY COUNTRY OF BIRTH, IN CITIES HAVING 250,000 INHABITANTS OR MORE: 1910 AND 1900.

Table 16

CITY.	Census year.	Total foreign born.	PERSONS BORN IN—																		Greece.	Hungary.											
			Austria.	Belgium.	Bulgaria, Servia, and Montenegro. <sup>1</sup>	Canada. <sup>2</sup>		China.	Cuba and other West Indies. <sup>3</sup>	Denmark.	England.	Finland.	France.	Germany.	Greece.	Hungary.																	
						French.	Other.																										
Baltimore, Md.	1910	77,662	6,540	28	14	45	752	245	355	132	2,698	36	357	26,034	347	1,358																	
	1900	68,600	3,810	25			629	426	225	107	2,841		369	33,941	89	155																	
Boston, Mass.	1910	243,365	2,413	682	36	3,098	47,802	819	1,070	1,031	13,671	455	1,081	8,701	1,497	426																	
	1900	197,129	1,269	221		2,908	47,374	1,065	456	675	13,174	221	1,003	10,739	281	330																	
Buffalo, N. Y.	1910	118,689	9,284	37	10	566	16,868	57	45	200	7,070	58	684	43,815	220	4,442																	
	1900	104,252	3,458	22		733	16,509	99	36	148	6,908	15	791	49,812	46	215																	
Chicago, Ill.	1910	783,428	132,063	2,665	515	4,633	26,688	1,335	393	11,484	27,912	1,191	3,036	182,289	6,564	28,938																	
	1900	587,112	57,676	1,160		5,307	29,472	1,179	226	10,166	29,308	416	2,989	203,733	1,493	4,946																	
Cincinnati, Ohio.	1910	56,859	1,638	24	184	73	887	16	40	79	1,872	10	665	28,426	180	6,344																	
	1900	57,961	752	38		103	928	17	30	49	2,201	1	748	38,308	53	208																	
Cleveland, Ohio.	1910	196,170	42,059	90	46	571	8,794	155	71	448	11,420	499	944	41,408	275	31,503																	
	1900	124,631	18,981	26		772	7,839	94	39	373	10,621	79	485	44,225	42	9,558																	
Detroit, Mich.	1910	157,534	14,160	2,237	65	4,166	38,648	24	58	411	9,038	59	638	44,675	585	5,935																	
	1900	96,503	2,157	671		3,541	25,403	9	41	231	6,347	4	430	42,730	18	91																	
Jersey City, N. J.	1910	77,987	4,978	173	7	167	1,010	132	212	346	4,432	681	596	16,131	179	1,084																	
	1900	58,424	1,580	144		134	907	213	94	319	4,642	116	648	17,838	20	136																	
Los Angeles, Cal.	1910	66,133	2,510	213	116	592	7,686	1,481	119	1,096	7,581	261	1,916	9,684	361	820																	
	1900	19,964	354	87		214	2,683	1,885	43	239	3,017	10	993	4,032	20	60																	
Milwaukee, Wis.	1910	111,529	11,553	86	64	218	1,671	39	31	619	2,086	110	251	64,816	1,904	5,571																	
	1900	88,991	3,962	37		217	1,087	20	21	514	2,134	29	263	68,969	26	381																	
Minneapolis, Minn.	1910	86,099	6,075	63	235	1,637	5,905	92	24	2,030	2,769	875	293	8,650	463	1,176																	
	1900	61,021	1,802	32		1,706	5,637	20	9	1,473	2,289	348	207	7,550	55	581																	
New Orleans, La.	1910	28,333	645	91	5	101	387	219	468	117	1,356	34	3,671	6,122	175	90																	
	1900	30,325	409	77		85	310	418	457	92	1,262	5	4,428	8,743	48	68																	
New York, N. Y.	1910	1,944,357	190,246	2,260	540	2,844	23,476	3,936	16,415	7,997	78,483	7,410	18,293	278,137	8,038	76,627																	
	1900	1,270,080	90,477	1,221		2,527	19,399	6,080	5,867	5,621	68,836	3,733	14,755	324,224	1,509	31,516																	
Newark, N. J.	1910	111,067	12,963	70	10	199	1,126	194	183	360	6,698	69	697	22,177	297	6,029																	
	1900	71,363	4,795	26		140	802	262	77	216	5,874	42	646	25,251	37	1,355																	
Philadelphia, Pa.	1910	384,707	19,860	478	100	301	3,735	866	1,529	1,119	36,564	226	2,659	61,480	589	12,495																	
	1900	295,346	6,324	378		294	2,989	1,122	934	36,752	103	2,521	73,047	176	2,785																		
Pittsburgh, Pa. <sup>6</sup>	1910	140,924	21,400	100	71	86	1,741	197	124	110	9,528	70	885	29,438	773	6,576																	
	1900	113,094	9,411	58		120	1,418	175	31	53	11,079	12	932	36,538	106	2,684																	
St. Louis, Mo.	1910	126,223	11,171	133	165	260	2,256	351	141	441	5,226	46	1,218	47,766	1,312	8,759																	
	1900	111,356	5,475	216		339	2,151	304	94	390	5,800	30	1,462	59,973	38	561																	
San Francisco, Cal.	1910	142,298	4,441	448	160	474	5,701	6,914	291	3,119	9,821	1,846	6,252	24,137	2,275	1,247																	
	1900	116,885	2,067	291		429	4,770	10,762	190	2,171	8,956	935	4,870	35,303	199	315																	
Washington, D. C.	1910	24,902	459	41	10	109	1,052	270	243	176	2,638	21	511	5,179	342	155																	
	1900	20,119	201	32		97	806	417	134	88	2,299	14	399	5,868	34	48																	
Baltimore, Md.	1910	6,806	5,043	12	6	106	199	26	216	24,803	518	49	237	228	50	24	92																
	1900	9,690	2,042	4	12	98	188	12	26	12,187	594	23	236	186		12	99																
Boston, Mass.	1910	66,041	31,280	61	24	486	1,914	1,296	373	41,802	5,062	268	7,123	415	2,088	623	315																
	1900	70,147	13,738	36	13	391	1,145	882	68	18,370	4,473	85	5,541	400	600	308	1,216																
Buffalo, N. Y.	1910	9,423	11,399	12	20	214	253	12	106	11,349	1,978	24	1,021	699	207	97	217																
	1900	11,292	5,069	1	8	311	185	23	4	4,010	1,808	20	745	590		135	570																
Chicago, Ill.	1910	65,965	45,169	220	188	9,032	24,158	50	3,344	39,204	10,347	138	58,386	3,254		711	1,818																
	1900	73,912	16,088	80	102	8,555	22,621	21	287	39,204	10,347	138	58,386	3,254		180	1,818																
Cincinnati, Ohio.	1910	6,224	2,245	6	15	322	37	8	454	4,999	458	20	114	696	245	280	177																
	1900	9,114	917	1	18	369	12	1	4	2,330	461	6	111	657		6	240																
Cleveland, Ohio.	1910	11,316	10,836	15	18	1,076	512	3	761	25,477	2,880	28	1,657	1,373	497	251	1,298																
	1900	13,126	3,065	8	9	804	249	8	39	7,726	2,179	9	1,000	1,288		41	1,490																
Detroit, Mich.	1910	5,584	5,724	28	27	584	225	5	313	18,644	3,320	18	601	595	561	125	70																
	1900	6,412	905	2	8	397	75	2	11	3,070	2,496	14	261	491		7	101																
Jersey City, N. J.	1910	16,124	12,600	41	14	243	1,360	25	196	13,667	1,658	72	1,289	443	103	38	139						</										

FOREIGN-BORN POPULATION BY COUNTRY OF BIRTH, IN CITIES HAVING FROM 25,000 TO 250,000 INHABITANTS:  
1910.

Table 17

CITY.	Total foreign born.	PERSONS BORN IN—													All other countries.	
		Austria.	Canada.		England, Scotland, and Wales.	France.	Germany.	Greece.	Hungary.	Ireland.	Italy.	Netherlands (Holland), and Belgium.	Norway, Sweden, and Denmark.	Russia and Finland.		Turkey.
			French.	Other.												
<b>Alabama</b>																
Birmingham.....	5,730	134	17	222	1,343	146	706	243	78	369	1,360	26	183	592	233	
Mobile.....	2,305	42	21	129	327	66	406	142	31	314	45	17	221	159	89	
Montgomery.....	716	29	8	34	85	22	224	44	15	67	7		24	86	25	
<b>Arkansas</b>																
Little Rock.....	1,988	83	13	117	259	41	787	79	11	165	55	15	58	164	5	
<b>California</b>																
Berkeley.....	8,641	91	22	914	1,474	256	1,231	117	34	695	329	48	1,112	562	24	
Oakland.....	40,446	1,267	245	2,905	5,304	1,205	5,476	470	248	4,160	3,800	249	4,794	1,118	112	
Pasadena.....	4,618	32	37	920	1,025	47	678	48	16	336	34	46	539	81	39	
Sacramento.....	11,045	544	67	670	1,247	146	1,477	368	49	1,156	1,162	26	569	144	25	
San Diego.....	7,829	182	68	925	1,399	171	1,134	68	37	517	331	34	695	146	22	
San Jose.....	6,422	151	52	473	730	288	752	36	9	531	1,822	31	344	78	22	
<b>Colorado</b>																
Colorado Springs.....	3,019	74	9	379	786	45	435	12	17	341	24	42	509	108	11	
Denver.....	39,749	1,698	232	3,260	5,920	398	6,636	226	465	3,965	2,664	33	6,029	5,627	107	
Pueblo.....	8,559	2,287	36	571	716	67	729	319	354	491	1,490	26	543	523	2	
<b>Connecticut</b>																
Bridgeport.....	36,264	3,858	499	778	3,901	169	2,811	194	6,975	5,085	5,022	49	2,210	4,142	219	
Hartford.....	31,354	1,805	792	1,292	2,440	150	2,424	53	328	7,049	4,321	38	2,843	6,687	210	
Meriden town.....	9,397	1,224	685	160	1,217	88	2,269	21	83	1,369	928	18	403	851	11	
Meriden city.....	8,043	1,147	613	144	881	66	1,752	37	57	1,370	876	11	557	805	17	
New Britain.....	18,030	1,572	538	171	1,060	33	1,805	33	147	1,455	2,065	7	2,322	6,276	283	
New Haven.....	42,989	1,100	461	874	2,663	160	4,115	85	473	9,004	13,159	158	1,919	8,649	186	
Norwich town.....	8,459	344	1,760	164	954	23	693	108	24	1,595	475	15	300	1,761	118	
Stamford town.....	8,900	628	31	144	911	38	753	118	366	1,832	1,963	40	570	1,440	113	
Stamford city.....	8,097	590	24	153	708	51	679	117	369	1,692	7,819	19	565	1,460	11	
Waterbury.....	25,541	422	1,901	401	1,768	228	1,433	45	158	5,838	6,567	19	725	5,607	104	
<b>Delaware</b>																
Wilmington.....	13,713	887	29	168	1,311	80	1,911	28	215	3,152	2,288	13	287	3,163	13	
<b>Florida</b>																
Jacksonville.....	2,688	41	21	264	546	44	413	49	21	160	133	27	121	181	214	
Tampa.....	10,803	31	24	108	218	36	209	53	9	71	2,319	6	81	74	13	
<b>Georgia</b>																
Atlanta.....	4,501	113	15	241	505	64	729	388	92	302	95	18	162	1,342	113	
Augusta.....	929	14	10	24	72	20	267	80	18	211	34	2	9	166	4	
Macon.....	694	4	1	39	98	5	111	49	8	98	45	2	5	148	51	
Savannah.....	3,448	89	10	132	431	30	792	215	42	527	96	29	123	656	65	
<b>Illinois</b>																
Aurora.....	6,706	213	94	293	486	72	2,554	42	632	386	166	72	753	319	3	
Bloomington.....	3,413	46	8	112	381	26	1,568	8	158	524	34	6	399	52	34	
Danville.....	2,010	22	6	84	265	19	1,042	22	4	162	32	25	211	67	3	
Decatur.....	2,429	23	13	100	254	17	1,523	22	2	267	31	15	61	51	26	
East St. Louis.....	9,422	1,672	12	183	424	134	1,427	122	1,467	998	80	21	1,011	1,690	444	
Elgin.....	5,077	92	20	299	616	37	2,282	31	309	308	77	28	1,152	172	30	
Joliet.....	10,447	2,921	26	313	885	38	1,577	54	1,273	770	1,043	15	803	1,919	40	
Peoria.....	8,332	354	28	289	865	119	3,739	84	585	1,035	185	157	572	406	103	
Quincy.....	3,651	15	11	66	164	33	2,940	26	11	237	43	12	34	35	41	
Rockford.....	13,839	137	20	377	867	29	671	41	9	417	1,067	42	9,380	695	3	
Springfield.....	6,917	487	15	156	1,052	77	2,127	32	146	1,012	276	35	195	1,051	48	
<b>Indiana</b>																
Evansville.....	4,468	40	1	68	373	74	3,338	32	6	157	43	19	33	150	9	
Fort Wayne.....	7,214	95	33	263	411	173	4,501	24	18	385	53	59	78	399	330	
Indianapolis.....	19,842	1,227	80	768	1,628	217	7,515	249	852	3,255	658	151	436	1,255	985	
South Bend.....	13,443	576	98	402	335	31	5,347	40	3,829	188	121	544	661	1,127	18	
Terre Haute.....	3,818	56	17	166	543	35	1,426	13	287	522	52	55	149	255	130	
<b>Iowa</b>																
Cedar Rapids.....	4,381	2,799	23	201	339	19	557	18	43	418	61	21	290	388	81	
Clinton.....	5,225	285	7	208	324	12	2,171	27	49	522	98	30	874	100	20	
Council Bluffs.....	4,384	247	14	193	386	27	872	207	11	305	148	17	1,576	177	5	
Davenport.....	8,108	268	16	174	573	52	3,290	219	72	581	81	64	601	1,418	20	
Des Moines.....	10,427	267	27	153	1,629	54	1,431	124	17	894	932	82	2,761	1,485	10	
Dubuque.....	6,099	255	35	173	411	61	3,176	15	6	811	281	89	133	193	17	
Sioux City.....	10,439	473	138	506	752	35	1,262	342	30	561	380	172	3,434	1,664	311	
Waterloo.....	2,707	92	16	211	321	10	897	234	7	210	67	10	389	143	13	
<b>Kansas</b>																
Kansas City.....	10,381	2,993	44	329	596	75	1,853	210	274	1,054	55	177	1,070	963	61	
Topeka.....	4,171	48	23	222	700	46	767	28	10	266	52	17	751	853	5	
Wichita.....	2,880	67	23	241	443	37	795	28	16	253	13	45	136	178	91	
<b>Kentucky</b>																
Covington.....	3,946	18	6	77	307	51	2,765	4	7	511	56	26	12	46	66	
Lexington.....	944	17	1	46	100	12	155	29	11	280	88	11	4	87	64	
Louisville.....	17,473	316	30	341	938	258	8,471	93	441	2,700	654	74	157	2,014	98	
Newport.....	3,407	115	13	68	297	37	1,766	2	68	368	25	4	9	539	6	
<b>Louisiana</b>																
Shreveport.....	1,018	45	4	35	98	91	197	16	5	56	159	1	17	150	86	
<b>Maine</b>																
Lewiston.....	9,431	104	4	6,660	734	476	34	142	148	579	25	12	11	366	92	
Portland.....	12,151	44	408	4,109	901	24	189	78	13	2,952	783	5	915	1,350	225	

## FOREIGN-BORN POPULATION BY COUNTRY OF BIRTH, IN CITIES HAVING FROM 25,000 TO 250,000 INHABITANTS: 1910—Continued.

Table 17—Continued.

Table 17—Continued.		PERSONS BORN IN—															All other countries.
CITY.	Total foreign born.	Canada.				England, Scotland, and Wales.	France.	Germany.	Greece.	Hungary.	Ireland.	Italy.	Netherlands (Holland), and Belgium.	Norway, Sweden, and Denmark.	Russia and Finland.	Turkey.	
		Austria.	French.	Other.													
Massachusetts																	
Brockton.....	15,466	43	917	2,673	1,306	23	110	149	14	2,891	986	6	2,742	3,227	208	171	
Brockline town.....	8,401	21	71	2,047	830	38	296	36	6	4,203	43	10	527	131	229	113	
Cambridge.....	35,328	156	1,445	8,727	2,851	131	728	102	102	10,637	1,546	40	2,131	3,735	414	2,583	
Chelsea.....	19,829	158	382	2,502	837	15	136	21	15	1,431	436	113	161	6,922	330	310	
Chicago.....	10,042	4,105	2,877	260	635	83	192	171	27	1,310	45	.....	97	211	12	17	
Everett.....	9,736	32	197	3,910	1,190	15	213	14	105	1,633	133	40	954	592	42	174	
Fall River.....	50,968	2,614	15,277	963	11,964	144	234	150	3	5,194	1,025	19	189	2,182	484	10,356	
Fitchburg.....	13,618	68	4,050	762	1,205	60	554	248	2	1,925	884	6	468	3,175	168	44	
Haverhill.....	11,190	313	2,568	1,879	784	15	106	442	13	1,895	1,063	7	126	1,575	324	79	
Holyoke.....	23,254	2,396	8,035	557	2,403	101	1,565	181	80	5,246	368	38	147	1,687	93	67	
Lawrence.....	41,471	1,450	7,698	1,825	7,022	788	2,301	171	28	5,943	6,693	318	140	4,402	2,077	615	
Lowell.....	43,494	1,948	12,291	4,051	5,751	100	2,055	3,782	24	9,983	259	183	772	1,886	637	1,622	
Lynn.....	27,665	264	2,369	7,686	2,607	74	350	968	25	5,153	1,354	17	1,622	3,929	823	374	
Malden.....	13,491	130	223	3,737	1,255	17	287	8	15	2,810	523	57	992	3,301	95	121	
New Bedford.....	47,727	1,837	12,241	944	10,640	334	777	172	13	2,583	966	97	393	1,715	354	11,551	
Newton.....	11,269	25	707	2,830	1,274	67	185	3	14	5,724	1,195	21	474	501	81	165	
Pittsfield.....	6,783	196	765	329	831	282	623	38	34	1,629	1,158	3	193	583	9	110	
Quincy.....	10,908	46	375	2,132	2,215	30	172	30	2	1,670	1,539	13	1,332	2,167	41	141	
Salem.....	15,577	728	4,134	1,713	1,094	49	106	248	6	2,811	403	7	160	2,167	165	76	
Somerville.....	20,818	143	587	7,507	2,273	63	412	75	25	5,320	1,777	21	935	814	161	70	
Springfield.....	25,077	1,357	3,078	1,464	2,359	83	975	213	32	5,679	2,915	20	1,176	3,928	437	261	
Taunton.....	9,912	921	1,728	752	1,361	11	185	30	23	2,082	133	13	80	476	40	2,077	
Waltham.....	7,706	8	602	2,270	457	25	108	30	1	2,128	615	14	618	232	19	87	
Worcester.....	48,597	362	5,010	3,405	4,012	123	580	83	20	10,535	2,889	33	8,599	10,719	2,460	238	
Michigan																	
Battle Creek.....	2,655	88	33	1,653	557	21	391	50	16	169	35	50	102	46	43	91	
Bay City.....	11,044	107	1,324	3,121	1,102	34	2,727	12	23	399	22	60	366	1,644	41	63	
Flint.....	6,730	269	154	3,307	986	22	549	34	286	227	192	46	107	422	38	81	
Grand Rapids.....	28,387	549	197	3,029	1,148	48	4,546	31	209	871	319	11,912	1,366	3,622	284	256	
Jackson.....	4,364	60	39	1,068	807	21	1,004	8	12	421	38	48	61	701	8	77	
Kalamazoo.....	6,881	155	67	680	588	18	869	20	200	306	43	3,470	128	247	12	78	
Lansing.....	4,010	73	51	1,118	462	7	1,363	30	98	127	74	107	86	209	153	82	
Saginaw.....	11,727	222	729	3,312	1,130	135	4,408	18	114	398	218	26	141	767	2	107	
Minnesota																	
Duluth.....	30,703	1,165	4,423	4,435	1,546	69	2,595	57	76	620	648	190	12,695	4,739	62	383	
St. Paul.....	56,557	3,900	1,096	3,359	2,879	276	14,925	129	1,989	4,184	1,995	264	16,810	4,432	202	1,137	
Missouri																	
Joplin.....	918	29	13	99	171	22	309	21	4	95	24	8	48	33	8	34	
Kansas City.....	25,466	371	149	1,611	2,927	277	5,354	758	332	3,267	2,579	388	2,666	3,431	146	1,010	
St. Joseph.....	8,131	566	51	318	640	81	2,641	237	407	769	193	52	415	1,290	44	436	
Springfield.....	1,128	21	12	136	232	10	327	10	8	142	19	3	129	8	16	55	
Montana																	
Butte.....	13,128	955	441	1,579	2,701	97	858	74	40	3,196	151	40	1,048	1,239	66	643	
Nebraska																	
Lincoln.....	7,218	184	24	323	550	28	1,197	187	61	721	72	26	740	3,353	35	145	
Omaha.....	27,179	3,414	86	1,132	1,989	135	4,861	486	551	1,849	361	126	6,860	2,614	188	524	
South Omaha.....	8,021	3,000	16	142	245	10	985	59	505	659	116	162	690	985	72	375	
New Hampshire																	
Manchester.....	29,708	1,770	13,720	2,716	1,657	54	1,225	1,330	11	3,482	77	182	967	783	1,599	105	
Nashua.....	8,962	72	4,830	537	235	10	222	570	2	836	32	1	58	1,216	992	29	
New Jersey																	
Atlantic City.....	6,776	218	17	180	971	102	835	75	114	936	1,383	27	116	1,154	124	524	
Bayonne.....	20,573	2,432	27	258	1,449	67	1,706	7	1,795	3,444	1,738	18	355	6,918	27	312	
Camden.....	15,773	972	26	253	2,461	116	3,754	22	271	1,852	2,331	34	407	2,684	59	531	
East Orange.....	5,727	147	15	301	1,300	71	766	6	121	1,403	361	25	529	288	18	182	
Elizabeth.....	23,933	4,117	53	216	2,101	117	4,900	44	1,457	3,345	2,226	51	623	4,291	9	383	
Hoboken.....	27,712	1,368	37	138	1,285	107	10,018	106	321	3,477	6,555	640	1,706	1,712	42	400	
Orange.....	8,127	182	10	112	793	40	1,901	174	80	2,024	1,024	12	180	567	4	148	
Passaic.....	28,503	8,748	22	126	1,161	48	2,067	32	6,534	1,079	2,972	1,277	233	3,961	22	191	
Paterson.....	45,485	883	155	332	7,791	824	5,741	101	483	4,971	9,747	5,660	243	6,867	388	1,729	
Perth Amboy.....	14,223	2,749	44	200	441	35	1,201	27	3,887	547	566	23	1,986	2,440	25	152	
Trenton.....	25,776	1,822	24	154	4,071	79	4,119	88	4,980	2,848	428	48	189	3,727	24	211	
West Hoboken town.....	13,743	554	23	72	605	47	4,205	2	121	602	4,218	80	239	702	836	1,077	
New York																	
Albany.....	18,218	586	286	673	1,682	120	4,620	83	67	4,545	2,205	288	188	2,460	146	269	
Amsterdam.....	10,631	2,554	107	172	955	14	1,702	16	41	978	1,750	4	88	1,129	12	109	
Auburn.....	7,647	1,480	126	601	1,722	18	745	22	74	1,503	1,595	12	50	251	38	57	
Buffington.....	7,415	425	47	213	654	35	1,681	32	1,769	1,831	395	13	102	865	47	96	
Elmira.....	5,271	221	21	197	515	19	1,162	17	42	1,277	919	15	97	659	38	72	
Jamestown.....	10,614	35	24	282	1,179	37	256	41	13	241	939	24	7,245	36	188	41	
Kingston.....	5,394	210	34	38	239	11	1,020	12	86	681	880	11	31	540	43	57	
Mount Vernon.....	8,065	215	28	233	888	91	1,647	10	96	1,048	2,670	20	305	656	12	146	
New Rochelle.....	8,749	154	28	242	888	96	1,211	29	75	1,568	2,884	37	476	824	12	225	
Newburgh.....	4,833	162	4	141	836	11	512	30	139	1,555	675	12	121	321	32	59	
Niagara Falls.....	12,108	860	81	418	1,539	35	832	17	72	1,839	1,926	22	102	1,297	162	66	
Poughkeepsie.....	4,548	496	30	94	446	21	801	21	223	957	737	37	90	456	15	64	
Rochester.....	59,076	1,688	509	9,149	5,979	328	14,624	176	415	5,230	10,638	1,374	607	7,187	273	839	
Schenectady.....	18,691	1,279	441	697	2,007	59	3,428	102	836	1,355	3,660	74	494	3,880	29	527	
Syracuse.....	30,848	1,265	499	7,758	2,942	181	6,903	106	212	4,877	4,759	49	200	5,278	319	503	
Troy.....	15,448	897	613	372	1,981	65	1,818	51	62	5,140	1,462	33	654	1,469	397	164	
Utica.....	21,316	2,050	165	838	4,798	103	3,073	49	116	2,021	6,588	33	101	2,588	365	332	
Watkins.....	6,721	271	269	572	880	72	1,201	27	3,887	547	566	23	1,986	2,440	25	152	
Yonkers.....	26,716	3,927	45	503	3,218	161	2,337	89	2,664	5,255	4,116	114	645	3,942	113	487	
North Carolina																	
Charlotte.....	480	8	1	27	133	6	97	18	1	32	12	1	13	44	70	17	
Wilmington.....	463	3	1	16	63	9	198	13	5	35	9		22	30	27	17	



FOREIGN-BORN POPULATION BY COUNTRY OF BIRTH, IN CITIES HAVING FROM 25,000 TO 250,000 INHABITANTS:  
1910—Continued.

Table 17—Continued.

CITY.	Total foreign born.	PERSONS BORN IN—														
		Canada.		Eng-land, Scot-land, and Wales.	France.	Ger-many.	Greece.	Hung-ary.	Ireland.	Italy.	Neth-er-lands (Hol-land) and Bel-gium.	Nor-way, Swe-den, and Den-mark.	Rus-sia and Fin-land.	Tur-key.	All other coun-tries.	
		Aus-tria.	French.													Other.
<b>Ohio</b>																
Akron.....	13,249	933	60	417	1,925	167	3,152	64	3,308	905	799	29	585	602	150	453
Canton.....	8,658	504	18	152	854	169	2,413	357	1,559	192	980	19	146	591	144	660
Columbus.....	16,363	818	79	617	1,935	150	5,722	123	970	1,809	1,619	140	168	1,534	131	548
Dayton.....	13,802	660	27	380	620	93	5,817	117	2,761	956	356	41	80	1,527	215	222
Hamilton.....	3,315	112	1	65	149	48	2,132	42	108	167	178	9	18	99	4	103
Lima.....	1,627	48	9	128	214	14	506	13	9	357	158	6	24	51	13	77
Lorain.....	10,938	2,194	38	262	804	18	1,188	12	3,954	290	432	21	124	1,452	50	79
Newark.....	2,051	178	4	58	219	17	497	18	595	197	103	2	26	24	54	59
Springfield.....	3,174	80	8	124	369	12	1,119	33	28	830	173	20	43	106	108	104
Toledo.....	32,144	879	681	2,499	2,052	246	15,308	81	2,927	1,971	270	140	323	3,345	241	1,159
Youngstown.....	24,896	4,005	21	336	4,239	48	2,100	134	5,490	1,842	3,604	26	646	1,761	253	401
Zanesville.....	1,605	44	8	44	217	16	601	28	213	184	14	1	9	152	54	20
<b>Oklahoma</b>																
Muskogee.....	549	12	7	63	99	17	134	46	2	48	7	6	38	33	6	31
Oklahoma City.....	3,337	273	52	294	477	35	674	130	27	202	40	31	181	227	124	570
<b>Oregon</b>																
Portland.....	50,312	2,548	442	4,769	5,363	505	7,490	701	584	2,267	2,557	439	8,723	4,892	384	8,648
<b>Pennsylvania</b>																
Allentown.....	6,240	1,530	7	33	322	48	1,104	29	1,359	416	662	7	29	550	66	78
Alloua.....	5,224	309	4	37	425	12	1,658	91	68	530	1,281	3	60	540	82	123
Chester.....	6,712	1,169	90	90	1,287	44	946	13	99	1,526	869	10	88	1,005	7	71
Easton.....	3,129	86	9	30	364	22	754	43	305	228	732	15	32	416	47	46
Erie.....	14,963	726	48	857	788	79	5,603	53	588	1,122	1,307	33	913	2,428	8	410
Harrisburg.....	4,157	299	1	65	391	18	834	46	621	315	479	7	34	875	15	157
Hazleton.....	6,003	1,320	1	16	363	13	872	3	228	367	1,892	3	3	815	22	55
Johnstown.....	15,333	4,736	4	58	1,067	16	1,582	37	4,563	447	1,905	14	53	510	262	79
Lancaster.....	3,214	46	.....	32	184	22	1,993	38	39	144	195	2	20	390	6	103
McKeesport.....	12,645	3,107	66	66	1,833	27	1,533	90	2,500	740	586	5	1,253	792	24	95
New Castle.....	8,634	1,263	10	132	2,724	32	491	49	505	449	2,397	10	66	920	141	145
Norristown borough.....	4,030	61	2	52	606	18	510	15	23	992	1,442	6	44	203	1	55
Reading.....	8,223	1,415	5	58	496	50	2,754	170	243	344	1,076	7	33	1,905	190	77
Scranton.....	35,122	3,184	17	284	7,716	81	4,325	71	1,214	5,302	3,549	22	142	8,571	265	379
Shenandoah borough.....	10,459	1,225	1	10	520	9	275	3	285	432	1	3	3	7,514	152	37
Wilkes-Barre.....	16,097	2,578	7	116	3,930	32	2,401	63	259	1,588	956	10	224	3,598	319	186
Williamsport.....	2,335	59	58	78	285	27	880	8	8	324	314	2	80	145	25	42
York.....	1,594	109	6	41	187	23	667	44	20	71	180	1	26	165	9	45
<b>Rhode Island</b>																
Newport.....	6,381	58	137	391	1,040	78	275	130	18	2,316	573	10	364	188	45	518
Pawtucket.....	17,989	210	3,367	696	6,834	162	607	267	4	3,438	717	48	559	481	395	244
Providence.....	76,999	1,574	4,494	4,341	12,676	367	2,076	451	126	15,801	17,305	259	4,058	7,518	2,140	3,822
Warwick town.....	9,021	419	3,190	246	1,129	93	160	5	13	622	1,339	190	1,023	82	20	90
Woonsocket.....	16,548	1,378	9,728	335	963	682	185	50	14	1,955	483	425	54	622	310	494
<b>South Carolina</b>																
Charleston.....	2,448	52	8	38	199	22	891	134	14	345	191	17	166	295	50	86
Columbia.....	448	14	.....	11	89	5	65	27	2	43	19	20	17	82	12	12
<b>Tennessee</b>																
Chattanooga.....	1,342	19	2	107	213	24	262	34	23	118	10	13	26	431	13	47
Knoxville.....	792	12	4	52	172	6	165	23	40	88	22	9	106	1	92	1
Memphis.....	6,320	261	32	305	691	114	1,429	230	71	803	1,140	29	205	956	18	236
Nashville.....	3,017	91	6	129	366	57	554	63	177	572	91	8	46	396	61	209
<b>Texas</b>																
Austin.....	2,435	80	5	51	240	26	794	7	7	117	49	3	369	49	79	588
Dallas.....	5,264	254	37	241	804	144	1,434	75	35	369	338	35	243	744	41	470
El Paso.....	14,504	66	27	200	351	85	447	4	39	103	50	28	95	176	59	12,714
Fort Worth.....	4,280	411	16	213	513	43	708	63	21	364	190	45	293	398	130	672
Galveston.....	6,307	367	13	90	778	153	1,563	64	98	564	568	46	731	387	39	666
Houston.....	6,408	369	15	228	766	135	1,771	132	91	460	639	36	202	626	155	773
San Antonio.....	17,495	351	30	268	997	230	3,398	8	56	485	444	147	173	469	101	10,338
Waco.....	1,328	75	.....	54	95	11	323	16	7	51	161	1	140	172	47	175
<b>Utah</b>																
Ogden.....	4,879	44	12	175	1,652	25	239	202	4	180	199	696	903	49	30	499
Salt Lake City.....	19,544	214	55	747	7,332	110	2,102	621	90	664	379	456	4,662	355	195	1,362
<b>Virginia</b>																
Lynchburg.....	459	7	2	24	83	4	46	41	1	41	27	4	7	142	10	30
Norfolk.....	3,676	40	22	140	442	28	402	179	19	226	345	14	138	1,441	95	245
Portsmouth.....	1,147	16	9	59	132	3	130	13	5	136	133	11	59	367	6	48
Richmond.....	4,136	118	8	114	652	56	892	99	36	105	511	18	67	829	175	156
Roanoke.....	774	14	.....	36	212	13	79	43	4	88	27	2	16	76	51	13
<b>Washington</b>																
Seattle.....	67,456	2,025	836	9,872	8,553	646	6,176	967	345	3,177	3,457	720	17,749	3,877	589	8,467
Spokane.....	21,280	712	310	4,040	2,898	164	2,755	144	126	1,021	1,545	253	5,786	879	39	1,146
Tacoma.....	22,498	1,265	261	2,622	2,872	273	2,545	258	102	1,916	1,202	105	7,731	988	100	1,558
<b>West Virginia</b>																
Huntington.....	526	8	5	33	128	4	112	24	13	54	32	10	14	18	40	31
Wheeling.....	5,428	527	7	62	575	33	2,236	130	164	544	291	18	45	491	180	165
<b>Wisconsin</b>																
Green Bay.....	4,037	165	155	210	109	29	1,125	.....	2	186	14	1,199	529	272	27	35
La Crosse.....	6,644	564	42	164	194	19	2,723	13	54	159	20	26	1,629	153	172	112
Madison.....	4,234	104	7	169	324	11	1,320	53	34	146	135	23	1,079	251	12	155
Oshkosh.....	7,410	806	33	338	722	7	4,822	127	24	143	16	23	331	4	26	126
Racine.....	12,513	1,102	71	154	745	24	2,860	118	36	225	441	159	4	1,359	162	7
Sheboygan.....	8,669	973	11	44	63	8	4,618	336	47	46	1	595	153	1,648	12	112
Superior.....	13,799	488	458	1,577	669	59	1,011	27	171	452	48	375	5,733	2,478	2	252



# CHAPTER 6.

## THE FOREIGN-BORN POPULATION—DATE OF IMMIGRATION.

**Introduction.**—This chapter summarizes the statistics in regard to the year of immigration of the foreign-born population, as returned at the Thirteenth Decennial Census. The census schedules of 1910 and 1900 both contained an inquiry, applicable only to the foreign-born population, as to the year of immigration to the United States. This inquiry was designed in part to afford, in connection with the statistics of immigration, a means for determining what proportion

of the immigrants of each year or period of years had remained in this country and were still living. It also furnishes a basis for determining the sections of the country in which the immigrants of different periods have mainly settled.

**United States as a whole.**—Table 1 summarizes the results of this inquiry at the last two censuses for the United States as a whole (not including Alaska, Hawaii, Porto Rico, or other outlying possessions).

Table 1					CENSUS OF 1910 (APRIL 15).					CENSUS OF 1900 (JUNE 1).				
YEAR OF IMMIGRATION.		Length of residence in United States, in years (y.) and months (m.).			Total foreign born.		Foreign-born white.			Length of residence in United States, in years (y.) and months (m.).			Total foreign born.	
					Number.	Per cent.	Number.	Per cent.					Number.	Per cent.
<b>Total</b>					13,515,886		13,345,545			<b>Total</b>			10,341,276	10,213,817
Year not reported					1,340,819		1,318,959			Year not reported			1,012,653	1,001,460
<b>Total with year reported.</b>					12,175,067	100.0	12,026,586	100.0		<b>Total with year reported.</b>			9,328,623	9,212,357
1910, to Apr. 15.		Less than 34 m.			233,852	1.9	231,696	1.9		1900, to June 1.			201,128	2.2
1909.		34 m.-1 y. 34 m.			579,419	4.8	573,585	4.8		1899.			235,410	2.5
1908.		1 y. 34 m.-2 y. 34 m.			412,683	3.4	405,631	3.4		1898.			195,291	2.1
1907.		2 y. 34 m.-3 y. 34 m.			706,771	5.8	694,362	5.8		1897.			172,288	1.8
1906.		3 y. 34 m.-4 y. 34 m.			637,398	5.2	623,647	5.2		1896.			199,749	2.1
1905.		4 y. 34 m.-5 y. 34 m.			530,808	4.4	520,161	4.3		1895.			214,577	2.3
1901-1904.		5 y. 34 m.-9 y. 34 m.			1,595,214	12.4	1,479,844	12.3		1891-1894.			1,144,654	12.3
1900 or earlier.		9 y. 34 m. or more.			7,568,922	62.2	7,497,660	62.3		1890 or earlier.			6,965,526	74.7
1906-1910.		Less than 4 y. 34 m.			2,570,123	21.1	2,528,921	21.0		1896-1900.			1,003,866	10.6
1901-1905.		4 y. 34 m.-9 y. 34 m.			2,036,022	16.7	2,000,605	16.6		1891-1895.			1,559,230	14.6
1896-1900.		9 y. 34 m.-14 y. 34 m.			1,063,690	8.7	1,046,500	8.7		1886-1890.			1,596,930	17.1
1891-1895.		14 y. 34 m.-19 y. 34 m.			1,157,513	9.5	1,148,645	9.6		1881-1885.			1,566,448	16.8
1890 or earlier.		19 y. 34 m. or more.			5,347,710	43.9	5,302,515	44.1		1880 or earlier.			3,802,148	40.8
1901-1910.		Less than 9 y. 34 m.			4,606,145	37.8	4,528,926	37.7		1891-1900.			2,363,097	25.3
1900 or earlier.		9 y. 34 m. or more.			7,568,922	62.2	7,497,660	62.3		1890 or earlier.			6,965,526	74.7
Distributing those with year not reported:										Distributing those with year not reported:				
<b>Total</b>					13,515,886	100.0	13,345,545	100.0		<b>Total</b>			10,341,276	100.0
1901-1910.		Less than 9 y. 34 m.			5,088,084	37.6	5,000,098	37.5		1891-1900.			2,609,173	25.2
1900 or earlier.		9 y. 34 m. or more.			8,427,802	62.4	8,345,447	62.5		1890 or earlier.			7,732,103	74.8

It will be noted from this table that for about one-tenth of the foreign-born population, both in 1910 and in 1900, the year of immigration was not reported. Consequently the numbers reported as having arrived in each specified year or group of years somewhat understate the actual numbers. There is no way of knowing whether this understatement is relatively greater in the case of one class than in the case of another, but it is probable that approximately correct figures for any given year or group of years will be obtained by adding one-ninth to the number actually reported.

The percentages shown in Table 1 (except those in the last two lines) are all based upon the total number for whom the year of immigration was reported. Of the foreign born of all races combined in 1910 for whom the year was reported, 21.1 per cent had arrived during the period from January 1, 1906, to April 15, 1910

(four years, three and one-half months), 16.7 per cent during the five years 1901-1905, 8.7 per cent between 1896 and 1900, 9.5 per cent between 1891 and 1895, and 43.9 per cent in 1890 or earlier. About three-eighths of those for whom the date of arrival was reported thus arrived during the period of nine years, three and one-half months beginning January 1, 1901, and five-eighths before that date. The percentages for the foreign-born whites taken by themselves are substantially the same.

This table reflects roughly the variations which have taken place from year to year in the number of immigrants. For example, the number reported in 1910 as having arrived during 1907 (706,771) was much greater than the number reported as having arrived during 1908 (412,683), which corresponds with the variation shown by the statistics of immigration. Again, the number reported as having arrived during the five years 1891-1895 (1,157,513) was considerably greater

than the number reported as having arrived from 1896 to 1900 (1,063,699), which conforms to the statistics showing that immigration was heavier during the earlier years of that decade than during the later.

Table 1 also presents estimates as to the total number of the foreign born enumerated in 1910 who had arrived, respectively, before and after January 1, 1901. The estimates (which represent the totals derived from calculations made for each state separately) are made on the assumption that the persons for whom the date of arrival was not reported should be distributed in the same ratio as those for whom reports were made. Similar estimates have been made on the basis of the returns at the census of 1900. It is estimated on the above basis that about 5,000,000 of the foreign-

born whites who were enumerated on April 15, 1910, had arrived in this country subsequently to January 1, 1901. During the period from January 1, 1901, to April 1, 1910, the Bureau of Immigration recorded the arrival in the United States of 8,223,325 immigrants. The difference between these two figures, about 3,223,325, represents the number who had left the country or died—chiefly those who had returned to their native country. Those who were enumerated in 1910 represented 62.2 per cent of the total number of immigrants during this period.

**Divisions and states.**—Table 2 shows, by geographic divisions and states, the foreign-born white population as enumerated in 1910, distributed according to the time of arrival in the United States.

FOREIGN-BORN WHITE POPULATION, BY YEAR OF ARRIVAL IN THE UNITED STATES, BY DIVISIONS AND STATES: 1910.

Table 2	YEAR OF IMMIGRATION.					PER CENT. <sup>1</sup>			DIVISION AND STATE.	YEAR OF IMMIGRATION.					PER CENT. <sup>1</sup>		
	1906- Apr. 15, 1910	1901- 1900	1891- 1900	1890 or earlier.	Year un- known.	1906- 1900	1901- 1900	1920 or earlier.		1906- Apr. 15, 1910	1901- 1900	1891- 1900	1890 or earlier.	Year un- known.	1906- 1910	1901- 1900	1900 or earlier.
<b>United States.</b>	2,528,921	2,000,005	2,195,148	5,302,515	1,318,959	21.0	16.6	62.3									
<b>GEOGRAPHIC DIVS.</b>																	
New England...	369,442	283,246	390,564	686,067	84,527	21.4	16.4	62.3									
Middle Atlantic...	1,095,778	906,454	904,348	1,577,972	341,627	24.4	20.2	55.4									
E. North Central...	522,008	391,942	418,691	1,433,190	301,400	18.9	14.2	67.0									
W. North Central...	186,544	155,683	195,368	826,628	239,012	13.6	11.3	75.1									
South Atlantic...	56,884	40,259	40,322	98,320	54,770	24.1	17.1	58.8									
E. South Central...	8,587	7,641	8,934	42,792	18,903	12.6	11.2	76.1									
W. South Central...	49,857	34,596	48,929	121,484	93,893	19.6	13.6	66.8									
Mountain...	90,961	68,916	63,085	156,212	64,739	24.4	18.8	59.9									
Pacific...	148,860	121,268	124,911	346,392	120,687	20.1	16.4	63.6									
<b>NEW ENGLAND:</b>																	
Maine...	19,236	14,024	21,268	39,234	16,381	20.5	15.0	64.5									
New Hampshire...	20,756	12,353	20,743	39,674	6,032	22.9	13.6	63.4									
Vermont...	10,437	6,638	8,763	20,410	3,613	22.6	14.4	63.1									
Massachusetts...	212,285	164,322	234,894	469,113	30,436	20.8	16.1	63.1									
Rhode Island...	34,712	28,072	27,505	65,546	12,189	20.9	16.9	62.0									
Connecticut...	72,026	57,837	67,391	115,630	15,875	23.0	18.5	58.5									
<b>MIDDLE ATLANTIC:</b>																	
New York...	598,382	516,519	542,974	907,939	163,257	23.3	20.1	56.5									
New Jersey...	145,353	112,777	121,826	226,029	54,091	23.7	18.7	57.6									
Pennsylvania...	353,860	277,158	293,418	444,004	124,279	26.9	21.1	52.0									
<b>E. N. CENTRAL:</b>																	
Ohio...	129,675	88,621	73,623	248,315	57,011	24.0	16.4	59.6									
Indiana...	30,157	17,157	16,212	71,918	22,918	22.3	12.7	65.1									
Illinois...	221,185	177,158	184,207	511,537	108,463	20.2	16.2	63.6									
Michigan...	87,616	65,520	83,784	305,283	53,321	16.2	12.1	71.8									
Wisconsin...	53,385	43,506	60,264	286,127	58,687	11.8	9.6	78.7									
<b>W. N. CENTRAL:</b>																	
Minnesota...	62,152	59,646	76,529	288,434	57,519	12.8	12.3	74.9									
Iowa...	24,986	17,293	27,134	156,614	47,457	11.1	7.7	81.3									
Missouri...	31,764	23,618	22,619	113,213	37,082	16.6	12.4	71.0									
North Dakota...	20,397	23,744	27,906	58,922	25,189	15.6	18.1	66.3									
South Dakota...	10,313	9,521	13,004	51,727	16,063	12.2	11.3	76.5									
<b>W. N. CEN.—CON.</b>																	
Nebraska...	19,726	12,738	18,113	99,686	25,602	13.1	8.5	78.4									
Kansas...	17,206	9,123	11,359	68,030	29,501	16.3	8.9	75.1									
<b>SOUTH ATLANTIC:</b>																	
Delaware...	3,197	2,482	2,608	5,986	3,147	22.4	17.4	60.2									
Maryland...	14,061	13,296	16,298	45,516	15,003	15.4	14.9	69.3									
Dist. of Columbia...	2,837	2,493	3,205	10,255	5,562	15.1	13.3	71.6									
Virginia...	4,494	3,327	3,793	8,593	6,421	22.2	16.5	61.3									
West Virginia...	22,623	10,869	5,818	9,794	7,968	46.1	22.1	31.8									
North Carolina...	918	576	713	1,778	1,957	23.0	14.8	62.5									
South Carolina...	642	536	654	2,205	2,017	15.9	13.3	69.8									
Georgia...	1,822	1,746	2,112	5,067	4,325	17.0	16.2	66.8									
Florida...	6,290	4,933	5,123	9,126	8,370	24.7	19.4	55.9									
<b>E. S. CENTRAL:</b>																	
Tennessee...	2,977	2,194	3,285	24,556	7,041	9.0	6.6	84.3									
Texas...	1,878	1,800	2,069	8,152	4,560	13.5	13.0	73.5									
Alabama...	2,673	2,479	2,379	6,821	4,604	18.6	17.3	64.1									
Mississippi...	1,059	1,168	1,201	3,263	2,698	15.8	17.5	66.7									
<b>W. S. CENTRAL:</b>																	
Arkansas...	1,277	1,704	1,789	7,509	4,630	10.4	13.9	75.7									
Louisiana...	4,188	5,571	8,720	18,260	15,043	11.4	15.2	73.4									
Oklahoma...	4,410	3,082	4,452	16,609	11,531	15.4	10.7	73.8									
Texas...	39,982	24,239	35,968	79,106	62,689	22.6	13.7	65.8									
<b>MOUNTAIN:</b>																	
Montana...	20,290	12,936	15,358	30,303	12,757	26.7	16.4	57.9									
Idaho...	6,731	4,448	4,821	16,652	7,775	20.6	13.6	65.8									
Wyoming...	7,829	4,783	3,826	7,945	2,735	32.1	19.6	48.3									
Colorado...	22,095	16,678	19,944	51,408	16,296	20.1	15.1	64.8									
New Mexico...	6,027	3,002	3,165	6,162	4,298	32.8	16.4	50.8									
Arizona...	13,676	7,556	6,892	10,516	8,181	35.4	19.6	45.1									
Utah...	16,493	6,650	6,657	29,320	10,273	19.8	12.5	67.7									
Nevada...	3,820	2,863	2,416	6,906	1,994	23.9	17.9	58.2									
<b>PACIFIC:</b>																	
Washington...	43,444	35,450	33,917	85,031	43,355	22.6	17.9	60.1									
Oregon...	18,772	13,040	13,178	40,622	17,380	21.9	15.2	62.8									
California...	86,644	72,778	77,816	220,669	59,343	18.9	15.9	65.2									

<sup>1</sup> Percentages based only on the number for whom the year of immigration was reported.

Marked differences appear among the geographic divisions with respect to the relative importance of recent and earlier immigrants in the present foreign-born population. Designating persons who came to the United States after January 1, 1901, as recent arrivals, and those who came before that date as earlier arrivals, it will be seen that in the United States as a whole the recent arrivals formed 37.7 per cent of the total number of foreign-born whites for whom the year of arrival was reported. In the Middle Atlantic division, however, they represented 44.6

per cent of the total, in the South Atlantic division 41.2 per cent, and in the Mountain division 40.3 per cent. On the other hand, in the West North Central division the newcomers constituted only 24.9 per cent of the total foreign-born white population, and in the East South Central only 23.9 per cent.<sup>1</sup>

<sup>1</sup> Since these percentages are based upon the figures for those who reported the year of immigration, they are, of course, subject to a certain margin of error because of the fact that the considerable number of persons who failed to report the year of immigration may have been differently distributed as regards the time of arrival; but beyond question they bring out substantially the true conditions in the several geographic divisions.

Another method of showing the difference between the recent arrivals and the earlier with respect to the sections of the country in which they have settled is by means of percentages, distributing among the geographic divisions the total number reported as having arrived within a given period of time. Such percentages, derived from Table 2, are shown in Table 3.

DIVISION OF RESIDENCE.	PER CENT DISTRIBUTION OF TOTAL NUMBER OF FOREIGN-BORN WHITES WHO ARRIVED DURING THE YEARS--				
	1906- Apr. 15, 1910	1901- 1905	1891- 1900	1890 or earlier.	Year un- known.
United States.....	100.0	100.0	100.0	100.0	100.0
New England.....	14.6	14.2	17.8	12.9	6.4
Middle Atlantic.....	43.3	45.3	41.2	29.8	25.9
East North Central.....	20.6	19.6	19.1	27.0	22.9
West North Central.....	7.4	7.8	8.9	15.8	18.1
South Atlantic.....	2.2	2.0	1.8	1.9	4.2
East South Central.....	0.3	0.4	0.4	0.8	1.4
West South Central.....	2.0	1.7	2.2	2.3	7.1
Mountain.....	3.6	2.9	2.9	3.0	4.9
Pacific.....	5.9	6.1	5.7	6.5	9.1

The recent arrivals have largely concentrated in the three northeastern geographic divisions—the New England, the Middle Atlantic, and the East North Central—principally in the Middle Atlantic. Of the foreign-born whites enumerated in 1910 who reported arrival after January 1, 1906, 43.3 per cent were in the Middle

Atlantic division, 20.6 per cent in the East North Central division, and 14.6 per cent in New England, leaving only 21.4 per cent in all the rest of the country. The distribution of those who reported arrival between 1901 and 1905 was substantially the same, and that of those earlier immigrants who arrived from 1891 to 1900 was not very different. On the other hand, of those who had arrived in 1890 or earlier, only 29.8 per cent were in the Middle Atlantic division and 12.9 per cent in the New England division. The proportion of this class residing in the East North Central division (27 per cent), however, was much larger than the proportion of the more recent immigrants residing in that division. The West North Central division contained 15.8 per cent of those who reported arrival in 1890 or earlier, while only 7.4 per cent of those who arrived after January 1, 1906, were in that division.

To facilitate comparison between the recent arrivals and the earlier, the foreign-born whites in each geographic division and state who failed to report the date of arrival have been distributed by estimates as having arrived, respectively, before and after January 1, 1901. The estimates are made in the manner already explained in connection with Table 1, page 215. The results are shown in Table 4.

FOREIGN-BORN WHITE POPULATION IN 1910, DISTRIBUTED (PARTLY BY ESTIMATES) AS ARRIVING BEFORE OR AFTER JANUARY 1, 1901, BY DIVISIONS AND STATES.

Table 1  DIVISION AND STATE.	Total foreign-born white: 1910	ESTIMATED NUMBER WHO ARRIVED IN THE UNITED STATES—				DIVISION AND STATE.	Total foreign-born white: 1910	ESTIMATED NUMBER WHO ARRIVED IN THE UNITED STATES—			
		Before Jan. 1, 1901.	Between Jan. 1, 1901, and Apr. 15, 1910.		Per cent.			Before Jan. 1, 1901.	Between Jan. 1, 1901, and Apr. 15, 1910.		Per cent.
			Number.						Number.	Per cent.	
United States .....	13,345,545	8,345,447	5,000,098	37.5	WEST NORTH CENTRAL—Contd.:						
GEOGRAPHIC DIVISIONS:					Nebraska.....	175,865	137,870	37,995	21.6		
New England.....	1,814,386	1,129,913	684,473	37.7	Kansas.....	135,190	101,512	33,678	24.9		
Middle Atlantic.....	4,826,179	2,670,407	2,155,772	44.7	SOUTH ATLANTIC:						
East North Central.....	3,067,220	2,054,803	1,012,417	33.0	Delaware.....	17,420	10,489	6,931	39.8		
West North Central.....	1,613,231	1,211,646	401,585	24.9	Maryland.....	104,174	72,214	31,960	30.7		
South Atlantic.....	290,555	171,612	118,943	40.9	District of Columbia.....	24,351	17,442	6,909	28.4		
East South Central.....	86,827	65,768	21,089	24.3	Virginia.....	29,628	16,322	10,308	38.7		
West South Central.....	348,759	233,452	115,307	33.1	West Virginia.....	52,072	18,145	33,927	68.2		
Mountain.....	436,910	260,936	175,974	40.3	North Carolina.....	5,942	3,714	2,228	37.5		
Pacific.....	861,448	546,910	314,538	36.5	South Carolina.....	6,054	4,287	1,767	29.2		
NEW ENGLAND:					Georgia.....	15,072	10,068	5,004	33.2		
Maine.....	110,133	71,073	39,060	35.5	Florida.....	33,842	18,931	14,911	44.1		
New Hampshire.....	96,558	61,243	35,315	36.6	EAST SOUTH CENTRAL:						
Vermont.....	49,861	31,452	18,409	36.9	Kentucky.....	40,033	33,779	6,274	15.7		
Massachusetts.....	1,051,050	663,212	387,838	36.9	Tennessee.....	18,459	13,574	4,885	26.5		
Rhode Island.....	178,025	110,626	67,399	37.9	Alabama.....	18,936	12,151	6,805	35.9		
Connecticut.....	328,759	192,307	136,452	41.5	Mississippi.....	9,389	6,264	3,125	33.3		
MIDDLE ATLANTIC:					WEST SOUTH CENTRAL:						
New York.....	2,729,272	1,543,224	1,186,048	43.5	Arkansas.....	16,909	12,804	4,105	24.3		
New Jersey.....	658,185	379,144	279,044	42.4	Louisiana.....	51,782	38,027	13,755	26.6		
Pennsylvania.....	1,438,719	748,039	690,680	48.0	Oklahoma.....	40,084	29,566	10,518	26.2		
EAST NORTH CENTRAL:					Texas.....	239,984	153,055	86,929	36.2		
Ohio.....	597,245	355,912	241,333	40.4	MOUNTAIN:						
Indiana.....	159,322	103,697	55,625	34.9	Montana.....	91,644	53,045	38,599	42.1		
Illinois.....	1,202,560	764,716	437,844	36.4	Idaho.....	40,427	26,586	13,841	34.2		
Michigan.....	595,534	457,328	168,196	28.2	Wyoming.....	27,118	13,091	14,027	51.7		
Wisconsin.....	512,569	405,150	109,419	21.3	Colorado.....	126,851	82,189	44,662	35.2		
WEST NORTH CENTRAL:					New Mexico.....	22,654	11,511	11,143	49.2		
Minnesota.....	543,016	406,782	136,228	25.1	Arizona.....	46,824	21,097	25,727	54.9		
Iowa.....	273,484	222,328	51,158	18.7	Utah.....	63,336	42,934	20,459	32.3		
Missouri.....	228,896	162,600	66,296	29.0	Nevada.....	17,999	10,483	7,516	41.8		
North Dakota.....	156,158	103,527	52,631	33.7	PACIFIC:						
South Dakota.....	109,628	77,927	31,691	23.5	Washington.....	241,197	145,014	96,183	39.9		
					Oregon.....	103,601	64,728	38,273	37.2		
					California.....	517,250	337,165	180,082	34.8		

**Urban and rural communities.**—Table 5 distributes the foreign-born white population in the urban and rural communities, respectively, of each geographic division according to the time of arrival in the United States.

This table shows that the more recent arrivals have more generally gone to urban communities than the earlier ones. In 1910, of the foreign-born whites in urban communities who reported the year of immigration, 39.8 per cent had arrived after January 1, 1901; of

those in rural communities only 31.7 per cent. Of the 4,528,926 foreign-born whites who reported arrival after January 1, 1901, 3,514,756, or 77.6 per cent, resided in urban communities, and only 1,014,170, or 22.4

per cent, in rural communities; while of the 5,302,515 who reported arrival in 1890 or earlier, 3,611,131, or 68.1 per cent, resided in urban communities, and 1,691,384, or 31.9 per cent, in rural communities.

Table 5

FOREIGN-BORN WHITE IN 1910, CLASSIFIED ACCORDING TO YEAR OF IMMIGRATION.

DIVISION.	Urban communities.						Rural communities.									
	Year of immigration.					Per cent. <sup>1</sup>	Year of immigration.					Per cent. <sup>1</sup>				
	1906- Apr. 15, 1910	1901- 1905	1891- 1900	1890 or earlier.	Year un- known.	1906- 1910	1901- 1905	1900 or ear- lier.	1906- Apr. 15, 1910	1901- 1905	1891- 1900	1890 or earlier.	Year un- known.	1906- 1910	1901- 1905	1900 or ear- lier.
United States .....	1,845,819	1,568,937	1,701,911	3,811,131	807,571	22.0	17.8	60.2	583,102	431,068	483,234	1,691,384	511,388	18.2	13.8	68.3
New England.....	340,817	265,416	303,899	630,398	70,060	21.6	16.5	61.9	122,625	17,830	26,665	56,269	14,667	18.3	14.5	67.2
Middle Atlantic.....	904,753	770,443	783,663	1,333,461	257,157	23.9	20.3	55.8	101,025	136,011	120,685	244,511	84,470	27.6	10.6	52.8
East North Central.....	435,287	316,937	319,651	929,710	188,306	21.8	15.8	62.4	86,721	75,005	99,639	503,470	113,094	11.3	9.8	78.9
West North Central.....	94,803	74,184	75,312	287,948	99,449	17.8	13.9	68.3	91,741	81,499	120,053	548,678	139,564	10.9	9.7	79.4
South Atlantic.....	29,128	35,805	29,612	70,665	36,546	18.8	16.6	64.6	27,756	14,454	10,710	27,652	18,224	34.4	37.9	47.6
East South Central.....	5,431	4,922	6,261	29,694	11,624	11.7	10.6	77.6	3,156	2,719	2,673	13,098	7,279	14.6	12.6	72.8
West South Central.....	17,679	14,222	19,112	46,716	39,079	18.1	14.6	67.4	32,178	20,374	29,817	74,768	54,814	20.5	13.0	66.6
Mountain.....	27,918	22,000	26,195	70,540	36,678	19.0	15.0	66.0	63,043	36,916	36,887	88,672	38,061	28.0	18.4	53.7
Pacific.....	84,003	75,008	78,896	211,999	78,672	18.7	16.7	64.6	44,857	46,260	46,105	134,323	41,415	22.2	15.9	61.9

<sup>1</sup> Percentages based only on the number for whom the year of immigration was reported.

**Principal cities.**—Table 6 distributes the foreign-born whites of each city of 100,000 inhabitants or more, as enumerated at the census of 1910, according to the time of arrival in the United States. Very marked differences appear among the cities with respect to the proportions of the more recent and the earlier arrivals. In New York City 23.6 per cent of

those who reported specifically the year of arrival had arrived between January 1, 1906, and the date of enumeration in 1910; 22 per cent between 1901 and 1905; and 54.4 per cent in 1900 or earlier. In New Orleans, on the other hand, only 9.9 per cent reported arrival between 1906 and 1910, while 78.6 per cent reported arrival in 1900 or earlier.

FOREIGN-BORN WHITE POPULATION, BY YEAR OF ARRIVAL IN THE UNITED STATES, FOR CITIES HAVING 100,000 INHABITANTS OR MORE: 1910.

Table 6

CITY.	YEAR OF IMMIGRATION.					PER CENT. <sup>1</sup>	CITY.	YEAR OF IMMIGRATION.					PER CENT. <sup>1</sup>
	1906- Apr. 15, 1910	1901- 1905	1891- 1900	1890 or earlier.	Year un- known.			1906- Apr. 15, 1910	1901- 1905	1891- 1900	1890 or earlier.	Year un- known.	
Albany, N. Y.....	2,501	2,010	2,298	8,996	2,420	15.9	Minneapolis, Minn.....	11,872	12,971	12,771	35,812	12,512	16.2
Atlanta, Ga.....	646	561	655	1,382	1,166	19.9	Nashville, Tenn.....	281	281	380	1,652	399	10.8
Baltimore, Md.....	10,421	10,630	12,820	32,541	10,631	15.7	New Haven, Conn.....	8,536	8,382	9,227	14,943	1,696	20.8
Birmingham, Ala.....	941	714	814	1,658	1,573	22.8	New Orleans, La.....	1,969	2,230	3,596	11,582	8,369	9.9
Boston, Mass.....	43,852	40,352	57,037	93,318	6,182	18.7	New York, N. Y.....	438,743	407,863	419,893	589,205	71,997	23.6
Bridgeport, Conn.....	9,080	6,973	7,628	11,035	1,464	26.2	Newark, N. J.....	24,396	21,069	21,507	35,215	5,558	23.1
Buffalo, N. Y.....	17,758	13,859	19,636	50,266	16,925	17.5	Oakland, Cal.....	5,426	4,969	6,045	18,771	1,611	15.4
Cambridge, Mass.....	6,163	5,516	7,969	14,576	384	18.0	Omaha, Neb.....	4,620	3,066	3,425	12,277	3,674	19.8
Chicago, Ill.....	161,210	130,018	132,880	310,401	47,199	20.2	Paterson, N. J.....	7,922	7,111	9,048	17,953	3,294	19.0
Cincinnati, Ohio.....	9,633	5,885	5,464	32,685	3,125	17.9	Philadelphia, Pa.....	72,516	67,110	69,094	141,574	32,284	20.7
Cleveland, Ohio.....	48,081	38,603	31,589	71,645	5,784	25.3	Pittsburgh, Pa.....	28,851	26,763	23,333	49,482	12,007	22.1
Columbus, Ohio.....	2,515	1,639	1,541	6,744	3,446	20.2	Portland, Oreg.....	8,256	6,239	6,002	15,285	8,002	22.1
Dayton, Ohio.....	3,744	1,781	1,457	5,783	1,082	29.3	Providence, R. I.....	15,403	13,397	17,325	27,321	2,857	21.0
Denver, Colo.....	4,469	4,467	6,288	19,649	4,537	13.0	Richmond, Va.....	587	456	499	1,341	1,202	15.8
Detroit, Mich.....	38,044	25,594	24,144	62,649	8,134	25.6	Rochester, N. Y.....	12,959	8,886	8,993	24,455	3,720	23.4
Fall River, Mass.....	9,636	7,711	12,123	20,913	491	19.1	St. Louis, Mo.....	21,335	16,274	14,006	59,578	14,513	19.2
Grand Rapids, Mich.....	3,997	3,113	3,872	13,520	3,903	16.3	St. Paul, Minn.....	7,439	6,663	7,639	28,063	6,690	14.9
Indianapolis, Ind.....	3,428	1,955	2,271	9,723	2,200	19.7	San Francisco, Cal.....	18,742	19,262	20,812	57,589	14,469	16.1
Jersey City, N. J.....	14,557	11,831	13,625	31,040	6,784	20.4	Scranton, Pa.....	6,598	5,546	5,676	14,542	2,750	20.4
Kansas City, Mo.....	3,089	2,740	3,078	10,136	6,244	16.2	Seattle, Wash.....	11,166	9,595	9,360	17,998	12,716	23.2
Los Angeles, Cal.....	8,925	9,110	9,798	24,507	8,234	17.1	Spokane, Wash.....	3,303	2,861	2,901	7,184	4,471	22.7
Louisville, Ky.....	1,367	1,123	1,699	11,046	2,301	9.0	Syracuse, N. Y.....	6,074	3,678	4,618	11,632	4,779	24.1
Lowell, Mass.....	9,854	6,070	9,133	17,406	494	23.2	Toledo, Ohio.....	4,024	3,467	4,606	14,857	5,083	14.9
Memphis, Tenn.....	783	809	811	2,398	1,519	15.8	Washington, D. C.....	2,837	2,494	3,203	10,255	5,562	15.1
Milwaukee, Wis.....	19,528	13,067	14,622	52,322	11,917	19.6	Worcester, Mass.....	10,487	7,864	10,710	18,015	1,418	22.3

<sup>1</sup> Percentages based only on the number for whom the year of immigration was reported.

# CHAPTER 7.

## SCHOOL ATTENDANCE AND ILLITERACY.

**Introduction.**—This chapter presents in condensed form the principal statistics relative to school attendance and illiteracy obtained at the Thirteenth Census, taken as of April 15, 1910, with comparative figures for prior censuses. Statistics are presented for the states and principal cities of the United States. Alaska, Hawaii, Porto Rico, and other outlying possessions are not included.

In the first part of the chapter relating to school attendance figures are given for the whole number of persons attending school in 1909-10, but comparisons with the population are confined to persons from 6 to 20 years of age. A full discussion is given for the United States as a whole for different classes of the population, classified by color or race, nativity, and parentage, by sex, and by age groups, with further details regarding the population living in urban com-

munities and rural districts. Similar material in more condensed form is given for the geographic divisions and states and for the principal cities. Comparative figures for the censuses of 1910 and 1900 relate to the population from 5 to 20 years of age.

In the second part of the chapter relating to illiteracy figures are presented for the United States as a whole for the population 10 years of age and over, classified by color or race, nativity, parentage, sex, and age, and as resident in urban communities and rural districts. Similar statistics in more condensed form are given for each of the geographic divisions and states and for the principal cities. The chapter also gives a separate discussion of illiteracy in two important classes of the population, namely, children from 10 to 14 years of age and males 21 years of age and over.

### SCHOOL ATTENDANCE.

#### UNITED STATES AS A WHOLE: 1909-10.

The statistics of school attendance of the census of 1910 are based upon the answers to a question on the population schedule as to whether the person enumerated had attended school between September 1, 1909, and the date of enumeration, April 15, 1910. If the person enumerated had attended any kind of school for any length of time during the period in question, an affirmative answer was to be entered upon the schedule.

**Persons attending school, classified by color or race, nativity, and parentage.**—The total number of persons reported as having attended school between September 1, 1909, and April 15, 1910, was 18,009,891. It is not to be understood that all of these persons were in school on April 15, or that they were simultaneously attending school at any time during the period. They represent the whole number who had any relation as pupils to the schools of the country during this time, and may, for brevity, be designated as persons attending school in 1909-10. Though the period falls from two to two and a half months short of the entire school year 1909-10, the number of persons who enter school in April, May, and June of any school year who have not been at school earlier in the year is an insignificant part of the whole enrollment. Hence the period covered by the census enumeration can be regarded as practically identical with the school year. Table 1 shows the distribution of the persons attending school in 1909-10 among the several color or race, nativity, and parentage groups.

Table 1	PERSONS ATTENDING SCHOOL, 1909-10.		Per cent distribution of total population.
	Number.	Per cent of total.	
<b>Total.....</b>	<b>18,009,891</b>	<b>100.0</b>	<b>100.0</b>
White.....	16,279,292	90.4	88.9
Native.....	15,627,786	86.8	74.4
Native parentage.....	11,110,583	61.7	53.8
Foreign or mixed parentage.....	4,517,203	25.1	20.5
Foreign born.....	651,506	3.6	14.5
Negro.....	1,670,650	9.3	10.7
Indian.....	53,458	0.3	0.3
Chinese.....	3,887	( <sup>1</sup> )	0.1
Japanese.....	2,512	( <sup>1</sup> )	0.1
All other.....	92	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> Less than one-tenth of 1 per cent.

Of the persons attending school, 90.4 per cent were whites and 9.3 per cent were negroes, the native whites constituting 86.8 per cent of the total. The distribution of the white persons attending school among the different nativity and parentage groups differs considerably from the corresponding distribution of the population at large. This difference, however, is not primarily attributable to divergent tendencies with regard to school attendance among these elements of the population, but results largely from differences between the nativity and parentage distribution of the adult white population and that of the white population of the usual school ages.

**Persons attending school, classified by sex.**—Table 2 shows the distribution by sex of the persons in each color or race, nativity, and parentage group attending school in 1909-10. It shows also the number of males

to 100 females for the entire number attending school, for those in the age group 6 to 20 years, and for the total population in the group 6 to 20 years.

Table 2

CLASS OF POPULATION.	PERSONS ATTENDING SCHOOL, 1909-10.		MALES TO 100 FEMALES.		
	Male.	Female.	Among persons attending school.		In total population 6 to 20 years of age.
			All ages.	6 to 20 years of age.	
<b>Total.....</b>	<b>9,037,655</b>	<b>8,972,236</b>	<b>100.7</b>	<b>100.3</b>	<b>100.7</b>
White.....	8,220,847	8,058,445	102.0	101.5	101.4
Native.....	7,882,607	7,745,179	101.8	101.4	101.0
Native parentage.....	5,611,901	5,498,682	102.1	101.6	101.5
Foreign or mixed parentage.....	2,270,706	2,246,467	101.1	100.8	99.7
Foreign born.....	338,240	313,266	108.0	105.6	108.1
Negro.....	783,899	886,781	88.4	88.4	95.4

A slight excess of males appears among the persons attending school, there being 100.7 males to each 100 females. This excess of males is found in all of the groups given in the table, except in the case of the negroes, where the females considerably outnumbered the males. For the persons 6 to 20 years of age attending school the excess of males was somewhat less than among all persons attending school. This excess corresponded approximately for most of the groups to the excess of males in the total population 6 to 20 years of age.

Persons attending school, classified by age groups.—Table 3 shows the age distribution, by color or race, nativity, and parentage groups, of persons who were reported as attending school.

Table 3

PERSONS ATTENDING SCHOOL, 1909-10.

AGE PERIOD.	All classes.		White.										Negro.	
			Total.	Native.						Foreign born.				
				Total.		Native parentage.		Foreign or mixed parentage.						
Number.	Per cent of total.	Number.	Per cent of total.	Number.	Per cent of total.	Number.	Per cent of total.	Number.	Per cent of total.	Number.	Per cent of total.			
Total.....	18,009,891	100.0	16,279,292	100.0	15,627,786	100.0	11,110,583	100.0	4,517,203	100.0	651,508	100.0	1,670,650	100.0
Under 6 years.....	396,431	2.2	366,800	2.3	355,355	2.3	217,189	2.0	138,166	3.1	11,445	1.8	28,560	1.7
6 to 9 years.....	5,678,320	31.5	5,174,347	31.8	4,981,031	31.9	3,477,957	31.3	1,503,074	33.3	193,316	29.7	488,984	29.3
10 to 14 years.....	8,028,662	44.6	7,212,607	44.3	6,904,115	44.2	4,827,471	43.4	2,076,644	46.0	308,492	47.4	701,995	47.4
15 to 20 years.....	3,393,222	20.0	3,237,762	19.9	3,135,123	20.1	2,395,763	21.6	739,360	16.4	102,639	15.8	338,750	20.3
21 to 24 years.....	2,748,386	15.3	2,473,283	15.2	2,400,268	15.4	1,809,055	16.3	591,213	13.1	73,013	11.2	264,006	15.8
25 to 29 years.....	844,836	4.7	764,479	4.7	734,855	4.7	586,708	5.3	148,147	3.3	29,824	4.5	74,745	4.5
30 years and over.....	313,256	1.7	287,776	1.8	252,162	1.6	192,203	1.7	59,959	1.3	35,614	5.5	22,391	1.3

Percentage attending school, by age groups.—Some of the most significant information to be derived from statistics of school attendance is obtained by comparing the number of persons of a given group attending school with the total number of persons in that group, and thus showing the proportion of school attendance. Inasmuch as school attendance is not customary among persons under 6 or over 20 years of age, comparisons of this character are in general best confined to persons from 6 to 20 years of age.

The great majority of persons attending school are between the ages of 6 and 20 years, inclusive, which correspond precisely to the limits of school age as defined by the laws of many states, and approximately to the limits established in most other states. Of the total number of persons attending school in 1909-10, 17,300,204, or 96.1 per cent, were between 6 and 20 years of age, inclusive, while only 2.2 per cent were under 6 and only 1.7 per cent were over 21. The group 6 to 9 years of age included 31.5 per cent of all persons attending school; the group from 10 to 14 years included 44.6 per cent; and the group from 15 to 20 years included 20 per cent. It may be noted that the age periods indicated are not of equal length, the first including four years; the second, five; and the third, six.

In this and other tables percentages are given for the age groups 15 to 17 years and 18 to 20 years, but for economy of space the absolute figures on which percentages are based have been omitted from some of the other tables.

The age distribution of the persons attending school does not vary greatly among the principal race, nativity, and parentage groups shown in Table 3. Among the native whites of native parentage the percentage who were from 15 to 20 years of age was noticeably larger than among the foreign-born whites or the native whites of foreign or mixed parentage. On the other hand, the proportion of the foreign-born whites who were over 20 years of age was much higher than the corresponding proportion among the native white classes.

Table 4 shows, by age groups, for the United States as a whole, the proportion of the entire population who attended school in 1909-10.

Persons reported as attending school constituted 19.6 per cent of the total population of the country. For persons under 6 years of age the proportion attending school was only 3.1 per cent, and for persons of 21 and over only 0.6 per cent. The total number of persons between the ages of 6 and 20 years, inclusive, in 1910 was 27,750,599, of which number



17,300,204, or 62.3 per cent, attended school at some time between September 1, 1909, and April 15, 1910.

Table 4

AGE PERIOD.	Population: 1910	PERSONS ATTENDING SCHOOL, 1909-10.	
		Number.	Percent.
Total.....	91,972,266	18,009,891	19.6
Under 6 years.....	12,666,762	396,431	3.1
6 to 9 years.....	27,750,599	17,309,394	62.3
10 to 14 years.....	7,725,324	5,678,320	73.5
15 to 20 years.....	9,107,140	8,028,862	88.2
21 years and over.....	10,918,225	3,593,222	32.9
15 to 17 years.....	5,372,176	2,748,386	51.2
18 to 20 years.....	5,546,049	844,836	15.2
21 years and over.....	51,554,905	213,256	0.6

School attendance is much more common between the ages of 6 and 14 years than during the later years

of youth. It is most common between the ages of 8 and 13, inclusive. Compulsory school attendance laws, which in 1910 existed in all but 7 of the states of the Union, seldom require attendance beyond the age of 14, and many children after reaching that age drop out of school. School attendance is never required by law before the age of 7 years and in the majority of states not before 8 years, although a considerable proportion of children of 6 and a still larger proportion of those of 7 usually attend school, especially in cities. Hence the proportion of school attendance for the group 10 to 14 years (88.2 per cent) was considerably higher than that for the age group 6 to 9 years (73.5 per cent), and very much higher than that for the age group 15 to 20 years (32.9 per cent).

Table 5

Table 5	CLASS OF POPULATION AND SEX.	Total number of persons attending school, 1909-10.	PERSONS 6 TO 20 YEARS OF AGE.				PERSONS 6 TO 9 YEARS OF AGE.				PERSONS 10 TO 14 YEARS OF AGE.				PERSONS 15 TO 20 YEARS OF AGE.				OTHERS ATTENDING SCHOOL.	
			Total number.	Attending school.	Number.	Per cent.	Total number.	Attending school.	Number.	Per cent.	Total number.	Attending school.	Number.	Per cent.	Total number.	Attending school.				
Total.....	18,009,891	27,750,599	17,300,204	62.3	7,725,234	5,678,320	73.5	9,107,140	8,028,962	88.2	10,918,225	3,593,222	32.9	396,431	313,256					
Male.....	9,837,855	13,924,694	8,661,846	62.2	3,896,287	2,858,580	73.3	4,661,753	4,036,105	87.7	5,426,654	1,769,161	32.8	196,572	178,237					
Female.....	8,172,036	13,825,905	8,638,358	62.5	3,828,947	2,821,740	73.7	4,465,387	3,992,857	88.6	5,491,571	1,824,061	33.2	199,859	134,019					
White.....	16,279,292	24,220,868	15,624,716	64.5	6,703,748	5,174,347	77.2	7,918,408	7,212,607	91.1	9,598,712	3,237,762	33.7	366,800	287,776					
Male.....	8,220,487	12,195,148	7,872,132	64.6	3,388,433	2,611,957	77.1	4,066,104	3,643,988	91.0	4,800,611	1,616,137	33.7	182,602	166,113					
Female.....	8,058,445	12,025,720	7,752,584	64.5	3,315,315	2,562,390	77.3	3,912,304	3,568,619	91.2	4,798,101	1,621,575	33.8	184,198	156,663					
Negro.....	1,670,650	3,422,157	1,619,699	47.3	890,850	488,954	49.3	1,155,266	791,995	68.6	1,276,041	338,750	26.5	28,250	22,331					
Male.....	783,869	1,670,979	759,813	45.5	492,406	237,162	48.2	578,074	379,486	65.6	600,439	143,165	23.8	13,532	10,694					
Female.....	886,781	1,751,178	859,886	49.1	498,384	251,792	50.5	577,192	412,509	71.5	675,602	195,585	28.9	15,108	11,787					
Indian.....	53,458	94,529	51,043	54.0	28,967	13,964	48.4	31,393	22,446	71.5	34,229	14,613	42.7	962	1,453					
Chinese.....	3,887	6,978	3,283	46.8	956	604	63.2	1,575	1,221	77.6	1,438	323	22.3	64	60					
Japanese.....	2,512	5,715	1,427	25.0	764	426	55.8	477	275	57.6	4,474	626	14.0	1,040	469					
All other.....	92	352	56	15.9	9	5	(1)	21	18	(1)	322	33	10.2	46	36					
Native white.....	15,627,786	22,678,825	15,020,269	66.2	6,452,309	4,981,031	77.2	7,560,078	6,904,115	91.3	8,666,438	3,135,123	36.2	335,355	252,162					
Male.....	7,882,607	11,393,940	7,561,644	66.4	3,261,604	2,514,191	77.1	3,824,801	3,496,397	91.2	4,307,535	1,561,056	36.2	176,820	144,143					
Female.....	7,745,179	11,284,885	7,458,625	66.1	3,190,705	2,466,840	77.3	3,735,277	3,417,718	91.5	4,358,903	1,574,067	36.1	178,539	108,019					
Native parentage.....	11,110,583	16,007,393	10,701,191	66.9	4,622,327	3,477,957	75.2	5,323,293	4,827,417	90.7	6,060,783	2,395,763	39.5	217,129	192,338					
Male.....	5,611,901	8,002,850	5,363,744	66.9	2,340,840	1,757,053	75.1	2,700,556	2,439,554	90.3	3,021,364	1,197,139	39.6	109,496	100,820					
Female.....	5,498,682	7,944,543	5,337,447	66.8	2,281,497	1,730,906	75.4	2,623,627	2,387,917	91.0	3,039,419	1,198,624	39.4	107,421	81,511					
Foreign or mixed par.....	4,517,203	6,671,432	4,319,078	64.7	1,829,982	1,503,074	82.1	2,235,795	2,076,644	92.9	2,605,655	739,360	28.4	138,166	59,959					
Male.....	2,270,706	3,331,690	2,167,909	65.1	920,774	757,140	82.2	1,124,145	1,046,843	93.1	1,286,171	363,917	28.3	68,052	33,754					
Female.....	2,246,497	3,340,342	2,151,178	64.4	909,208	745,934	82.0	1,111,650	1,029,801	92.6	1,319,484	375,443	28.5	69,114	26,205					
Foreign-born white.....	651,506	1,542,043	604,447	39.2	251,439	193,316	76.9	358,330	308,492	86.1	932,274	102,639	11.0	11,445	3,645					
Male.....	338,240	801,208	310,458	38.8	126,829	97,766	77.1	181,303	157,591	86.9	493,076	55,131	11.2	5,782	21,970					
Female.....	313,266	740,835	293,989	39.7	124,610	95,550	76.7	177,027	150,901	85.2	439,198	47,508	10.8	5,663	13,644					

<sup>1</sup> 1 Per cent not shown where base is less than 100.

**Percentage attending school, by color or race, nativity, and parentage.**—Table 5 shows the number and percentage of the population who attended school in 1909-10 by age groups, and by race, nativity, and parentage, and by sex. Table 6 summarizes the percentages.

Table 6

CLASS OF POPULATION.	PER CENT OF POPULATION ATTENDING SCHOOL, 1909-10.					
	15 TO 20 YEARS OF AGE.					
	6 to 20 years of age.	6 to 9 years of age.	10 to 14 years of age.	Total.	15 to 17 years of age.	18 to 20 years of age.
Total.....	62.3	73.5	88.2	32.9	51.2	15.2
White.....	64.5	77.2	91.1	33.7	52.4	15.7
Native.....	66.2	77.2	91.3	36.2	54.3	17.3
Native parentage.....	66.9	75.2	90.7	39.5	58.9	19.6
Foreign or mixed parentage.....	64.7	82.1	92.9	28.4	43.8	11.8
Foreign born.....	39.2	67.6	86.1	11.0	24.8	4.6
Negro.....	47.3	49.3	68.6	26.5	41.5	11.7

For the entire group comprising persons from 6 to 20 years of age, the native whites of native parentage showed a higher percentage of persons attending school (66.9) than any other class of the population, though not very much higher than the native whites of foreign or mixed parentage. The percentages shown by the foreign-born whites (39.2) and by the negroes (47.3) were much lower. Marked differences appear in some of the minor age groups. For children from 6 to 9 years of age the highest percentage of school attendance was among the native whites of foreign or mixed parentage; and even for the foreign-born whites the percentage was higher than for the native whites of native parentage. These elements of the foreign stock live more largely in urban communities, where the proportion of young children attending school is relatively high, than do the native whites of purely native parentage. For children from 10 to 14 years of age

also the highest percentage attending school was found among the native whites of foreign or mixed parentage. On the other hand, in the group from 15 to 20 years of age the proportion of school attendance was much higher among native whites of native parentage than among native whites of foreign or mixed parentage, while for the latter in turn it was very much higher than for the foreign-born whites. The low proportion of foreign-born whites from 15 to 20 years of age attending school results in part from the fact that very many children leave school as soon as the law permits, and in part from the fact that immigration swells the number of persons in this age group, bringing in large numbers who are beyond the age limits of compulsory school attendance, and who for this reason never attend school in the United States. In all of the age groups the percentage of school attendance among the negroes was materially lower than among the native whites of native parentage.

**Percentage attending school, by sex.**—Table 7 shows, by age groups and by classes of population, for males and females, respectively, the percentage who attended school in 1909-10.

**Table 7**

CLASS OF POPULATION.	PER CENT OF POPULATION ATTENDING SCHOOL, 1909-10.							
	6 to 20 years of age.		6 to 9 years of age.		10 to 14 years of age.		15 to 20 years of age.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
<b>Total</b> .....	<b>62.2</b>	<b>62.5</b>	<b>73.3</b>	<b>73.7</b>	<b>87.7</b>	<b>88.6</b>	<b>32.6</b>	<b>33.2</b>
White.....	64.6	64.5	77.1	77.3	91.0	91.2	33.7	33.8
Native.....	66.4	66.1	77.1	77.3	91.2	91.5	36.2	36.1
Native parentage.....	66.9	66.8	75.1	75.4	90.3	91.0	39.6	39.4
Foreign or mixed par.....	65.1	64.4	82.2	82.0	93.1	92.6	28.3	28.5
Foreign born.....	38.8	39.7	77.1	76.7	86.9	85.2	11.2	10.8
Negro.....	45.5	49.1	48.2	50.5	65.6	71.5	23.8	26.9

In general there was comparatively little difference between the two sexes in the percentage of school attendance. For the total population from 6 to 20 years of age the percentage of males attending school was 62.2 and of females 62.5, but in both of the native white groups, which are the largest groups, the proportion for males was slightly higher than that for females, this difference being somewhat more than offset in the total by the higher proportion for females among the foreign-born whites and among the negroes.

The differences in the percentages for males and females in the entire group from 6 to 20 years of age are partly due to differences in the age distribution of the two sexes. Thus, in the case of native whites of native parentage, the percentage of school attendance in 1909-10 was slightly lower among the males from 6 to 9 years of age and among those from 10 to 14 than among females in these two age groups; but notwithstanding this fact the proportion for the whole group of persons of school age—from 6 to 20 years, inclusive—was higher for males than for females.

**Percentage attending school in the urban and rural population.**—There are somewhat important differences between urban communities and rural districts with respect to school attendance. Table 8 shows the distribution, by age groups, of the persons in the urban and in the rural population, respectively, who were reported as having attended school in 1909-10. The Bureau of the Census classifies as urban population that residing in cities and other incorporated places of 2,500 inhabitants or more, including New England towns of that population.

**Table 8**

AGE PERIOD.	PERSONS ATTENDING SCHOOL, 1909-10.			
	In urban communities.		In rural districts.	
	Number.	Per cent of total.	Number.	Per cent of total.
<b>Total</b> .....	<b>7,430,020</b>	<b>100.0</b>	<b>10,529,871</b>	<b>100.0</b>
Under 6 years.....	312,994	2.8	183,437	1.7
6 to 9 years.....	2,442,305	32.7	3,236,015	30.7
10 to 14 years.....	4,326,340	44.5	4,702,322	44.7
15 to 20 years.....	1,330,324	17.8	2,262,898	21.5
15 to 17 years.....	1,003,041	13.4	1,745,345	16.6
18 to 20 years.....	327,283	4.4	517,553	4.9
21 years and over.....	165,057	2.2	145,199	1.4

In general the persons attending school in cities and villages were younger than those attending school in the rural districts.

The differences in this respect are further indicated in Table 9. (For the corresponding absolute numbers see Table 15, pages 229 and 230.)

**Table 9**

AGE PERIOD.	PER CENT OF POPULATION ATTENDING SCHOOL, 1909-10.					
	In urban communities.			In rural districts.		
	Total.	Male.	Female.	Total.	Male.	Female.
<b>6 to 20 years, inclusive</b> .....	<b>61.6</b>	<b>62.0</b>	<b>61.3</b>	<b>62.9</b>	<b>62.4</b>	<b>63.4</b>
6 to 9 years.....	81.7	81.7	81.7	63.3	68.1	68.6
10 to 14 years.....	91.7	91.8	91.6	85.8	85.1	86.5
15 to 20 years.....	27.1	26.6	27.6	37.6	37.2	38.1
15 to 17 years.....	43.8	42.4	45.2	56.6	55.4	57.9
18 to 20 years.....	12.5	12.5	12.5	17.7	18.0	17.3

For the entire group, comprising persons from 6 to 20 years of age, the proportion attending school in 1909-10 was slightly higher in rural districts than in urban communities (62.9 per cent as compared with 61.6 per cent). This, however, is due entirely to the fact that for the older children, from 15 to 20 years of age, the percentage attending school in the rural districts was much the higher. For children from 6 to 9 years of age the percentage was much higher, and for those from 10 to 14 considerably higher, in the urban than in the rural population. The distance of the schools from the homes often precludes the attendance of young children in rural districts, while, on the other hand, school attendance for at least a part of the year conflicts less with the industrial activity of the older children in rural than in urban communities.

For the entire group of persons from 6 to 20 years of age, inclusive, the proportion of school attendance was slightly higher among males than among females

in urban communities, but slightly the higher among females in the rural districts.

Table 10 shows, for the several color or race, nativity, and parentage classes, the proportion of the urban and of the rural population in the different age groups attending school.

Table 10

1909-10.												
AGE PERIOD.	All classes.		Native white.								Negro.	
			Total.	Native parent-age.		Foreign or mixed parent-age.		Foreign-born white.				
	Urban.	Rural.		Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.		Rural.
	6 to 20 years, inclusive.....	61.6	62.9	65.1	67.1	65.9	67.3	64.2	65.8	83.9		83.6
6 to 9 years.....	81.7	68.3	82.9	73.3	81.5	72.5	84.1	67.7	68.0	56.5	3.6	24.5
10 to 14 years.....	91.7	85.8	92.8	90.3	92.7	89.7	92.9	92.8	88.8	3.7	9.0	8.5
15 to 20 years.....	27.1	37.6	30.6	40.7	34.5	42.3	25.5	33.7	11.0	11.0	22.2	27.9
15 to 17 years.....	13.8	56.6	46.5	62.2	52.6	62.1	39.4	51.9	9.24	2.27	1.39	34.2
18 to 20 years.....	12.6	17.7	14.8	19.4	17.7	20.8	10.9	13.6	4.8	3.9	9.0	12.7

For all persons of school age the proportion of school attendance among native whites both of native parentage and of foreign or mixed parentage was somewhat higher in rural districts than in urban communities, but among the foreign-born whites and the negroes the percentage was materially higher in the urban communities.

#### DIVISIONS AND STATES: 1909-10.

**Number and percentage attending school, by age groups.**—Table 11, on page 224, shows by divisions and states the number of persons attending school distributed by age groups, together with the total population in the principal age groups.

Comparing the geographic divisions, it appears that for the entire group of persons 6 to 20 years of age the proportion attending school was lowest in the South Atlantic division, where 56.7 per cent attended school in 1909-10, and highest in the West North Central division, where 67.9 per cent attended school. In the group from 6 to 9 years of age the variation among the divisions was more marked, the proportion ranging from 56.9 per cent in the West South Central division to 89.3 per cent in the New England division. In each of the four northern divisions more than four-fifths of the children of this age attended school, in each of the three southern divisions about three-fifths, and in the two western divisions about three-fourths. In the age group showing the maximum school attendance—that comprising children from 10 to 14

years of age—the proportion attending school was, in the three southern divisions, about four-fifths, and in the northern and western divisions over nine-tenths, with a maximum of 94.1 per cent in the New England and Pacific divisions. Among persons from 15 to 20 years of age the proportion attending school was lowest (26.2 per cent) in the Middle Atlantic division. In the New England and East North Central divisions also less than one-third of the persons of these ages were reported as attending school, but in all other divisions of the country the proportion was more than one-third, the maximum (40.5 per cent) being in the Mountain division.

**Persons 6 to 20 years of age attending school.**—Table 12, page 225, shows the total number of males and of females from 6 to 20 years of age, with the number and percentage attending school, by divisions and states.

The United States as a whole and all but two of the divisions show a slightly larger proportion of girls than of boys attending school. The exceptions are the Middle Atlantic and East North Central divisions, where the proportion of boys attending school was slightly larger than that of girls.

The color or race, nativity, and parentage distribution of the population from 6 to 20 years of age, with the number and percentage reported as attending school in 1909-10, is shown by divisions and states in Table 13, page 227.

In every division the proportion of persons attending school was higher among the native whites of native parentage than in any other group, native whites of foreign or mixed parentage, negroes, and foreign-born whites following in the order named.

The variation among the divisions in the proportion of the native whites of native parentage from 6 to 20 years of age attending school was comparatively slight; the maximum proportion (72.2 per cent) was in the New England division, and the minimum (62.8 per cent) in the South Atlantic division. The maximum proportion for the native whites of foreign or mixed parentage (69.3 per cent) was in the New England division, and the minimum (51.8 per cent) in the West South Central division; the next higher percentage, however, was decidedly above the minimum. The range of variation for the foreign-born whites and the negroes was also very considerable. Moreover, it may be noted that the divergence between the proportion of negroes attending school and that of native whites of native parentage attending school is most marked where the negroes are most numerous—in the three southern divisions.

## SCHOOL ATTENDANCE, BY AGE PERIODS, FOR DIVISIONS AND STATES: 1910.

Table 11

Table 11		PERSONS 6 TO 20 YEARS OF AGE.			PERSONS 20 TO 9 YEARS OF AGE.			PERSONS 10 TO 14 YEARS OF AGE.			PERSONS 15 TO 20 YEARS OF AGE.			OTHERS ATTENDING SCHOOL.		
DIVISION AND STATE.		Total number of persons attending school.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Under 6 years of age.	21 years of age and over.	
			Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.			
United States .....		18,009,891	27,750,599	17,300,204	62.3	7,725,234	5,678,320	73.5	9,107,140	8,028,662	88.2	10,918,225	3,592,222	32.9	396,431	313,256
GEOGRAPHIC DIVISIONS:																
New England.....		1,222,228	1,729,112	1,143,268	66.1	461,292	411,741	89.3	559,556	526,430	94.1	708,264	205,097	29.0	57,294	21,666
Middle Atlantic.....		3,531,373	5,357,256	3,370,818	62.9	1,439,430	1,194,176	83.6	1,726,086	1,603,348	92.9	2,191,740	573,294	26.2	100,028	60,527
East North Central.....		3,576,093	5,237,043	3,431,622	65.5	1,406,274	1,173,552	83.5	1,706,759	1,600,841	93.8	2,124,010	657,199	30.9	80,877	63,504
West North Central.....		2,530,591	3,574,334	2,425,414	67.9	976,434	782,550	80.1	1,170,674	1,095,810	93.6	1,427,226	547,054	38.3	55,596	49,581
South Atlantic.....		2,418,444	4,139,759	2,347,451	56.7	1,205,479	730,919	60.6	1,396,058	1,099,070	78.7	1,538,222	517,462	33.6	33,673	37,320
East South Central.....		1,730,191	2,889,349	1,673,263	57.9	844,021	507,826	60.2	969,343	765,096	79.0	1,075,985	399,741	37.2	30,552	26,376
West South Central.....		1,795,100	3,067,574	1,747,007	57.1	912,657	518,846	56.9	1,016,531	817,902	80.5	1,128,386	410,259	36.4	21,281	26,812
Mountain.....		565,191	741,734	487,947	65.8	215,799	155,870	72.2	239,610	216,222	90.2	286,345	115,855	40.5	7,368	9,876
Pacific.....		700,770	1,024,418	673,414	65.7	263,848	202,810	76.9	322,523	303,343	94.1	438,407	167,261	38.2	9,762	17,594
NEW ENGLAND:																
Maine.....		140,831	185,197	132,082	67.7	52,767	45,023	85.3	64,588	59,661	92.4	77,842	27,408	35.2	6,393	2,356
New Hampshire.....		77,550	111,634	73,487	65.8	29,556	25,734	87.1	36,271	34,291	94.5	45,807	13,442	29.3	2,935	1,128
Vermont.....		70,531	94,701	66,845	70.6	25,962	22,951	88.4	31,451	30,391	96.6	37,288	13,503	36.2	2,768	918
Massachusetts.....		630,119	881,024	588,029	66.7	234,490	213,229	90.9	284,960	269,200	94.5	361,570	105,600	29.2	29,845	12,245
Rhode Island.....		96,242	148,102	90,328	61.0	38,262	32,707	85.5	47,014	43,653	91.6	62,826	14,568	23.2	3,861	2,053
Connecticut.....		206,855	298,454	192,497	64.5	80,251	72,077	89.8	95,272	89,844	94.3	122,931	30,576	24.9	11,492	2,966
MIDDLE ATLANTIC:																
New York.....		1,650,863	2,454,428	1,563,374	63.7	637,903	540,228	84.7	785,826	741,542	94.4	1,030,699	281,604	27.3	55,773	31,716
New Jersey.....		469,272	708,525	440,903	62.2	191,940	162,920	84.9	228,695	209,840	91.8	287,890	68,143	23.7	21,433	6,936
Pennsylvania.....		1,411,238	2,194,303	1,366,541	62.3	609,587	491,028	80.6	711,565	651,966	91.6	873,151	223,547	25.6	22,822	21,875
EAST NORTH CENTRAL:																
Ohio.....		898,088	1,313,890	868,578	66.1	347,668	293,403	84.4	425,602	401,235	94.3	540,539	173,940	32.2	14,133	15,377
Indiana.....		529,472	777,889	513,623	66.0	210,576	172,348	81.8	255,568	238,918	93.5	311,745	102,357	32.8	5,390	10,729
Illinois.....		1,064,346	1,615,914	1,025,053	63.4	432,853	354,775	82.0	520,955	482,944	92.7	662,106	187,334	28.3	19,085	20,208
Michigan.....		568,526	796,887	539,739	67.7	217,544	184,986	85.0	258,480	246,721	95.5	320,862	108,032	33.7	19,982	9,205
Wisconsin.....		514,901	732,544	484,629	66.2	197,633	168,070	85.0	246,154	231,023	93.9	288,757	85,536	29.6	22,287	7,953
WEST NORTH CENTRAL:																
Minnesota.....		462,867	648,775	443,761	68.4	175,220	141,114	80.5	214,402	205,068	95.6	259,153	97,589	37.7	9,463	9,643
Iowa.....		499,272	675,222	469,778	69.6	182,252	157,887	86.6	222,577	209,118	94.0	270,393	102,773	38.0	19,300	10,194
Missouri.....		665,972	963,996	646,866	65.1	268,612	207,728	77.3	324,191	297,116	91.6	401,195	142,022	35.4	7,640	11,466
North Dakota.....		121,649	183,336	117,453	64.1	54,902	38,745	70.6	59,592	55,478	90.0	69,042	25,230	36.5	1,799	2,397
South Dakota.....		126,903	183,979	122,642	66.7	52,889	38,804	73.4	60,021	55,194	92.0	71,069	28,644	40.3	1,790	2,471
Nebraska.....		275,829	373,868	261,219	69.9	101,562	85,782	84.5	121,782	115,547	94.9	150,584	59,890	39.8	9,077	5,533
Kansas.....		378,069	515,156	363,693	70.6	141,057	112,496	79.7	168,309	160,299	95.2	205,790	90,906	44.2	6,527	7,877
SOUTH ATLANTIC:																
Delaware.....		36,336	57,932	35,304	60.9	15,181	11,185	73.7	19,308	17,072	88.4	23,448	7,704	33.1	467	559
Maryland.....		234,628	388,486	227,024	58.4	106,263	78,196	73.6	129,665	111,049	85.7	152,618	37,779	24.8	3,565	4,039
District of Columbia.....		54,688	79,249	50,839	64.2	20,670	15,797	76.7	24,649	22,978	93.2	34,530	12,084	35.0	1,529	2,300
Virginia.....		401,696	607,649	392,499	64.3	203,357	169,873	83.5	237,563	191,134	80.5	256,729	91,492	35.6	3,901	5,296
West Virginia.....		267,411	396,518	259,971	65.5	116,314	85,019	73.1	131,027	119,057	90.9	149,477	55,895	37.4	3,544	3,896
North Carolina.....		495,196	785,583	481,450	61.3	232,597	145,057	62.4	265,964	212,355	79.8	287,022	124,038	43.2	5,691	8,025
South Carolina.....		300,359	564,204	291,367	51.6	165,103	85,569	51.8	192,406	138,397	71.9	206,751	67,341	32.6	4,566	4,486
Georgia.....		494,781	925,865	490,378	51.9	274,519	159,012	57.9	315,217	227,732	72.2	336,129	93,634	27.9	7,863	6,540
Florida.....		133,355	243,917	128,659	52.7	72,075	41,211	57.2	80,219	59,296	73.8	91,923	28,152	30.8	2,547	2,140
EAST SOUTH CENTRAL:																
Kentucky.....		473,481	755,709	461,195	61.0	216,275	143,081	66.2	252,905	213,527	84.4	286,529	104,587	36.5	5,188	7,098
Tennessee.....		451,190	738,478	438,547	59.4	212,375	129,733	61.1	243,328	198,741	81.7	282,775	110,073	38.9	5,409	7,234
Alabama.....		396,945	576,357	385,449	67.1	223,852	190,901	85.4	253,196	181,439	71.7	273,809	94,109	34.4	5,042	6,354
Mississippi.....		408,673	644,805	388,072	60.2	191,519	125,111	65.3	219,914	171,989	78.2	233,372	90,972	39.0	14,913	5,690
WEST SOUTH CENTRAL:																
Arkansas.....		333,705	551,672	324,035	58.7	165,403	102,017	61.7	179,879	139,921	77.8	206,390	82,097	39.8	4,324	5,436
Louisiana.....		257,027	555,866	248,420	43.1	172,563	79,015	45.8	193,791	121,130	62.5	209,512	48,275	23.0	4,968	3,639
Oklahoma.....		394,201	576,323	338,816	67.8	172,307	121,850	70.7	186,069	169,667	91.2	207,947	92,299	44.4	5,249	5,136
Texas.....		810,077	1,393,713	790,736	58.0	402,384	215,964	53.7	456,792	357,184	84.8	504,537	187,588	37.2	6,740	12,601
MOUNTAIN:																
Montana.....		62,755	93,771	60,678	64.7	26,978	20,064	74.4	29,686	26,815	90.3	37,107	13,799	37.2	936	1,141
Idaho.....		68,910	96,819	66,779	69.0	28,482	19,852	69.7	31,902	29,727	93.2	36,435	17,200	47.2	632	1,192
Wyoming.....		23,745	35,776	23,020	64.3	10,232	7,896	77.2	10,829	9,894	91.4	14,715	5,227	35.5	297	428
Colorado.....		153,412	215,940	147,026	68.4	60,167	47,445	78.9	69,688	65,123	93.4	86,065	35,058	40.7	2,483	3,303
New Mexico.....		66,717	105,403	64,324	61.9	32,202	20,416	63.4	34,408	28,119	81.7	38,793	15,807	40.7	1,563	812
Arizona.....		31,346	56,897	30,355	53.2	17,180	9,657	56.2	18,091	14,034	77.6	21,626	6,664	30.8	490	501
Utah.....		88,056	121,016	85,006	70.2	36,082	27,146	75.2	40,070	38,068	95.0	44,864	19,732	44.1	771	2,279
Nevada.....		10,557	16,132	10,141	62.9	4,476	5,391	75.8	4,836	4,442	90.0	6,720	2,308	34.3	196	220
PACIFIC:																
Washington.....		201,685	293,478	195,259	66.5	78,943	59,538	75.4	92,802	87,681	94.5	121,733	48,040	39.5	1,865	4,571
Oregon.....		121,409	175,386	117,078	66.8	45,266	33,891	74.9	55,776	52,520	94.2	74,344	38,664	51.6	1,109	3,222
California.....		377,666	555,554	361,077	64.0	139,639	109,378	78.3	173,945	163,142	93.8	241,570	80,557	33.6	6,788	9,801

SCHOOL ATTENDANCE OF MALES AND FEMALES 6 TO 20 YEARS OF AGE, BY DIVISIONS AND STATES: 1910.

Table 12

Table 12	MALES.			FEMALES.			DIVISION AND STATE.	MALES.			FEMALES.		
	Total number.	Attending school.		Total number.	Attending school.			Total number.	Attending school.		Total number.	Attending school.	
		Number.	Per cent.		Number.	Per cent.			Number.	Per cent.		Number.	Per cent.
United States	13,924,694	8,661,849	62.2	13,825,905	8,638,358	62.5	SOUTH ATLANTIC:						
DELAWARE							Delaware	29,541	18,113	61.3	28,394	17,191	60.6
MARYLAND							Maryland	192,877	113,852	59.0	198,629	113,172	57.9
DISTRICT OF COLUMBIA							District of Columbia	38,275	24,734	64.6	40,974	26,125	63.8
VIRGINIA							Virginia	349,425	193,494	55.4	348,224	199,005	57.1
WEST VIRGINIA							West Virginia	203,793	132,221	64.9	193,025	127,750	66.2
NORTH CAROLINA							North Carolina	392,572	240,650	61.3	393,011	240,839	61.3
SOUTH CAROLINA							South Carolina	279,589	141,637	50.7	284,671	149,670	52.6
GEORGIA							Georgia	457,136	233,135	51.0	468,729	247,243	52.7
FLORIDA							Florida	121,494	62,847	51.8	122,513	65,512	53.7
EAST SOUTH CENTRAL:							KENTUCKY	380,316	232,224	61.1	375,393	228,971	61.0
TENNESSEE							Tennessee	371,988	220,124	59.2	366,490	218,423	59.6
ALABAMA							Alabama	373,258	191,114	51.2	377,669	194,355	51.5
MISSISSIPPI							Mississippi	520,687	191,407	36.7	524,118	196,665	37.5
WEST SOUTH CENTRAL:							ARKANSAS	275,480	161,770	58.7	276,192	162,265	58.8
LOUISIANA							Louisiana	284,379	121,265	42.6	291,287	127,155	43.7
OKLAHOMA							Oklahoma	288,108	196,269	68.1	278,215	187,547	67.4
TEXAS							Texas	686,043	395,761	57.7	677,670	394,978	58.3
MOUNTAIN:							MONTANA	48,839	30,278	62.0	44,932	30,400	67.7
IDAHO							Idaho	50,293	34,176	68.0	46,526	32,603	70.1
WYOMING							Wyoming	19,223	11,575	60.2	16,553	11,445	69.1
COLORADO							Colorado	109,338	73,728	67.4	106,602	73,895	69.3
NEW MEXICO							New Mexico	53,481	33,296	62.1	51,922	31,106	59.9
ARIZONA							Arizona	29,496	15,472	52.5	27,401	14,883	54.3
UTAH							Utah	61,254	42,990	70.2	59,782	42,016	70.3
NEVADA							Nevada	8,606	5,104	59.3	7,526	5,037	66.9
PACIFIC:							WASHINGTON	151,457	97,993	64.7	142,021	97,266	68.5
OREGON							Oregon	96,473	59,264	61.5	84,913	57,814	68.1
CALIFORNIA							California	285,577	180,147	63.1	269,977	180,930	67.0

**Children 6 to 14 years of age attending school.**—Between the ages of 6 and 20 years there are, as already noted, several years of age when school attendance is the exception rather than the rule, and when it is wholly voluntary. For children from 8 to 13 years of age, however, school attendance is in most sections of the country obligatory, and in many sections the age of 7 years is likewise covered by the compulsory school attendance laws. The proportion of school attendance is also high among children 6 years of age, so that for some purposes figures relating to the group comprising children from 6 to 14 years of age, inclusive, are of special value. Such figures are given, by divisions and states, in Table 14, page 228.

More than four-fifths (81.4 per cent) of all the children from 6 to 14 years of age attended school between September 1, 1909, and April 15, 1910. Of the remainder (18.6 per cent), the greater number consisted of 6 and 7 year old children who had not yet begun their schooling, and of 14 year old children who had completed their schooling.

Considering the different classes of the population, it is clear at a glance that the proportion of the children from 6 to 14 years of age attending school was greater for the whites than for the negroes. With respect to the whites it may be noted that for chil-

dren in this age group the maximum attendance was among the native whites of foreign or mixed parentage, and the next highest among the native whites of native parentage. The proportion of foreign-born whites attending school was in every division the smallest shown by any of the white elements. In four divisions, namely, the New England, Middle Atlantic, East North Central, and West South Central, the native whites of native parentage had the largest proportion of children from 6 to 14 years of age attending school, while in the remaining five divisions the largest proportion was among the native whites of foreign or mixed parentage.

For the native whites of native parentage the proportion of children from 6 to 14 years of age attending school varied from about three-fourths in the two South Central divisions to over nine-tenths in the New England division. For the native whites of foreign or mixed parentage the range of variation was somewhat less for eight of the nine divisions. Unusual conditions appear to have prevailed in the West South Central division with respect to the school attendance of white children of native birth and foreign or mixed parentage, since in that division less than two-thirds of such children were reported as attending school. The figures for the country as a whole show compara-

tively little difference between the proportion of children from 6 to 14 years of age attending school among the foreign-born whites and among the native whites of native parentage, though for each division taken separately the percentage for the foreign-born whites was considerably less. Here again the West South Central division occupies an exceptional position, inasmuch as it shows less than one-half of the foreign-born white children from 6 to 14 years of age attending school.

Except in the Pacific division, where the number of negroes is relatively small, the proportion of negro children attending school was less than that of white children. In the three southern divisions, which contain so great a majority of the negroes that they practically determine the average for the United States as a whole, less than three-fifths of the negro children from 6 to 14 years of age were reported as attending school, but the average for the other six divisions was somewhat over five-sixths.

**Persons attending school in the urban and rural population.**—School attendance figures for the urban and rural population, classified according to age, sex, and color or race, nativity, and parentage, are shown for 1909-10, by divisions, in Table 15, pages 229 and 230.

In the country as a whole, and in every division except two (the West South Central and Mountain divisions), the proportion of the whole number of persons from 6 to 20 years of age, inclusive, who were reported as attending school was greater in rural districts than in urban communities. In every division the proportion attending school among children from 6 to 9 years of age was larger in the urban population than in the rural, but in every division the proportion among persons from 15 to 20 years of age was larger in the rural population. For the intervening age group—10 to 14 years—the proportion was the larger in urban communities for the country as a whole, for the three southern divisions, and for the Mountain division, and in rural districts for the four northern divisions and the Pacific division.

# SCHOOL ATTENDANCE.

227

## SCHOOL ATTENDANCE OF POPULATION 6 TO 20 YEARS OF AGE, BY DIVISIONS AND STATES: 1910.

[Per cent not shown where base is less than 100.]

Table 13	NATIVE WHITE.																	FOREIGN-BORN WHITE.						NEGRO.		
	ALL CLASSES.			Native parentage.						Foreign or mixed par.			Total number.			Total number.										
	Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.									
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.								
United States.....	27,750,599	17,300,204	62.3	16,007,393	10,701,191	66.9	6,671,432	4,319,078	64.7	1,542,043	605,447	39.2	39,242,157	1,619,699	47.3											
GEOGRAPHIC DIVISIONS:																										
New England.....	1,729,112	1,143,268	66.1	666,431	481,480	72.2	803,198	556,736	69.3	243,068	94,322	38.8	15,539	10,201	65.6											
Middle Atlantic.....	5,357,296	3,370,818	62.9	2,584,645	1,744,091	67.5	1,989,990	1,297,558	65.2	683,873	271,942	39.8	95,194	54,780	57.5											
East North Central.....	5,237,043	3,431,622	65.5	3,132,328	2,178,099	69.5	1,741,668	1,091,526	62.7	283,632	113,445	40.0	72,837	44,462	61.0											
West North Central.....	3,574,334	2,425,414	67.9	2,186,578	1,546,055	70.7	1,186,613	783,075	66.0	122,672	50,080	40.8	64,088	37,229	58.1											
South Atlantic.....	4,139,759	2,347,451	56.7	2,467,850	1,519,613	62.8	128,778	76,586	59.5	35,667	12,300	34.7	1,504,019	706,974	47.0											
East South Central.....	2,889,349	1,673,263	57.9	1,883,753	1,191,822	63.3	52,743	31,189	59.1	6,953	2,741	39.4	944,880	447,230	47.3											
West South Central.....	3,067,574	1,747,007	57.1	2,048,346	1,291,901	63.1	212,996	110,378	51.8	51,160	13,192	25.8	715,597	312,736	43.7											
Mountain.....	741,754	487,947	65.8	457,096	317,047	69.4	210,861	143,144	67.9	42,574	16,311	38.3	4,170	2,531	60.7											
Pacific.....	1,024,418	673,414	65.7	580,366	401,083	69.1	344,615	228,886	66.4	72,424	30,624	41.5	5,836	3,556	60.9											
NEW ENGLAND:																										
Maine.....	195,197	132,082	67.7	123,853	87,995	71.0	53,962	36,945	68.5	16,740	6,747	40.3	355	224	63.1											
New Hampshire.....	111,634	73,487	65.8	52,646	37,974	72.1	43,577	30,091	69.1	15,259	5,334	35.0	138	77	55.8											
Vermont.....	94,701	66,845	70.6	63,769	46,513	72.9	23,968	16,990	70.9	6,707	3,267	47.8	251	131	52.2											
Massachusetts.....	881,024	588,029	66.7	278,717	205,518	73.7	459,778	323,327	70.3	133,312	53,092	39.8	8,797	5,850	66.5											
Rhode Island.....	148,102	90,328	61.0	42,009	29,235	69.6	76,888	49,988	65.0	26,839	9,623	35.9	2,277	1,424	62.5											
Connecticut.....	298,454	192,497	64.5	105,437	74,245	70.4	145,025	99,395	68.5	44,211	16,329	36.9	3,721	2,495	67.1											
MIDDLE ATLANTIC:																										
New York.....	2,454,428	1,563,374	63.7	963,517	663,316	68.8	1,053,610	709,245	67.3	407,790	174,186	42.7	27,192	15,192	55.9											
New Jersey.....	708,525	440,903	62.2	302,995	204,166	67.4	294,673	191,544	65.0	88,869	32,242	36.3	21,832	12,892	59.1											
Pennsylvania.....	2,194,303	1,366,541	62.3	1,318,133	876,609	66.5	641,707	396,769	61.8	187,214	65,514	35.0	46,170	26,696	57.8											
EAST NORTH CENTRAL:																										
Ohio.....	1,313,809	868,578	66.1	938,675	651,607	69.4	284,375	174,842	61.5	62,828	24,837	39.5	27,830	17,233	61.9											
Indiana.....	777,889	513,623	66.0	664,781	448,578	67.5	85,074	50,653	59.5	12,327	4,612	37.4	15,560	9,699	62.3											
Illinois.....	1,615,914	1,025,053	63.4	849,975	585,043	68.8	619,352	379,164	61.2	121,517	46,138	38.0	24,825	14,572	58.7											
Michigan.....	796,887	539,739	67.7	372,317	268,923	72.2	365,753	243,380	66.5	52,305	23,401	44.7	3,994	2,561	64.1											
Wisconsin.....	732,544	484,629	66.2	306,520	223,946	73.1	387,114	243,487	62.9	34,655	14,454	41.7	628	397	63.2											
WEST NORTH CENTRAL:																										
Minnesota.....	648,775	443,761	68.4	208,907	154,844	74.1	398,336	270,175	67.8	37,049	18,458	49.8	1,189	791	65.7											
Iowa.....	675,222	469,778	69.6	442,128	321,966	72.8	212,946	139,325	65.4	16,142	5,928	36.7	3,966	2,495	62.9											
Missouri.....	963,998	646,866	67.1	798,833	535,506	67.4	135,263	78,296	57.9	18,083	7,189	39.8	41,682	22,794	54.7											
North Dakota.....	183,356	112,453	61.4	53,101	36,715	69.1	106,573	70,332	66.0	21,194	8,906	42.0	103	60	58.3											
South Dakota.....	183,979	122,642	66.7	82,253	57,773	70.2	87,273	58,049	66.5	8,312	3,314	39.9	184	122	66.3											
Nebraska.....	373,868	261,219	69.9	212,985	155,658	73.1	146,432	98,957	67.6	11,571	4,884	42.2	1,512	900	61.5											
Kansas.....	515,156	363,695	70.6	388,371	280,593	72.2	99,790	67,941	68.1	10,321	4,211	40.8	15,549	10,047	64.6											
SOUTH ATLANTIC:																										
Delaware.....	57,932	35,304	60.9	37,422	21,789	63.6	8,478	5,103	60.2	1,949	592	30.4	10,078	5,815	57.7											
Maryland.....	388,486	227,024	58.4	245,675	152,360	62.0	57,627	31,698	55.0	11,907	4,518	37.9	73,230	38,417	52.5											
District of Columbia.....	79,249	50,859	64.2	43,062	28,724	66.7	10,465	7,079	67.6	2,047	1,018	49.7	23,593	14,000	59.3											
Virginia.....	697,649	392,499	56.3	440,168	269,380	61.2	11,842	7,464	63.0	3,013	1,247	41.4	242,413	114,346	47.2											
West Virginia.....	396,818	259,971	65.5	355,322	238,897	67.2	14,401	9,063	63.1	8,587	2,158	25.1	18,481	9,806	53.1											
North Carolina.....	785,583	481,450	61.3	515,117	334,471	64.9	2,871	2,017	70.3	715	284	39.7	264,025	143,099	54.2											
South Carolina.....	564,260	291,307	51.6	229,204	137,474	60.0	2,943	1,834	62.3	555	203	36.9	331,429	151,726	45.8											
Georgia.....	925,805	480,378	51.9	477,530	289,880	60.7	7,209	4,627	64.2	1,596	664	41.6	499,483	185,191	42.1											
Florida.....	243,917	128,659	52.7	124,330	74,638	60.0	12,942	7,671	59.3	5,318	1,704	32.0	101,266	44,634	44.1											
EAST SOUTH CENTRAL:																										
Kentucky.....	755,709	461,195	61.0	644,495	401,209	62.3	27,178	15,148	55.7	1,953	756	38.7	81,976	44,000	53.7											
Tennessee.....	738,478	438,547	59.4	563,158	354,091	62.9	10,099	6,466	64.0	1,740	802	46.1	163,397	77,133	47.2											
Alabama.....	750,357	385,449	51.4	410,331	244,992	59.7	10,434	6,309	60.5	2,073	844	40.7	327,176	133,191	40.7											
Mississippi.....	644,805	388,072	60.2	265,767	191,530	72.1	5,032	3,266	64.9	1,187	339	28.6	372,331	192,826	51.8											
WEST SOUTH CENTRAL:																										
Arkansas.....	551,672	324,035	58.7	379,084	238,872	63.0	11,541	7,100	61.5	1,440	491	34.1	159,431	77,467	48.6											
Louisiana.....	575,866	248,420	43.1	287,134	158,758	55.3	28,118	14,516	51.6	5,649	1,591	28.2	254,580	138,478	29.9											
Oklahoma.....	566,323	333,816	58.8	454,481	311,274	68.5	31,134	21,486	69.0	3,368	1,443	42.8	48,718	31,033	63.8											
Texas.....	1,363,713	790,736	58.0	927,647	582,997	62.8	142,173	67,276	47.3	40,703	9,667	23.7	252,868	130,708	51.7											
MOUNTAIN:																										
Montana.....	93,771	60,678	64.7	44,453	30,075	67.7	38,017	26,305	69.2	7,382	2,534	34.3	300	184	61.3											
Idaho.....	96,819	67,779	69.9	67,046	47,213	70.4	25,635	18,066	70.5	2,998	1,040	34.7	89	50	56.2											
Wyoming.....	35,776	23,020	64.4	22,297	14,991	67.2	10,148	6,792	66.9	2,451	792	31.9	286	142	49.7											
Colorado.....	215,940	147,626	68.4	138,619	97,182	70.1	62,053	42,835	69.1	12,070	5,547	46.0	2,468	1,548	62.7											
New Mexico.....	105,403	64,342	61.0	85,375	55,644	65.2	8,903	5,525	62.1	3,426	1,118	32.6	363	214	59.0											
Arizona.....	56,897	30,355	53.4	23,167	15,468	66.8	14,712	8,436	57.3	7,658	2,704	35.3	416	251	60.3											
Utah.....	121,016	85,006	70.2	67,931	50,668	74.6	46,504	31,771	68.3	5,279	2,321	44.0	196	112	57.1											
Nevada.....	16,132	10,141	62.9	8,208	5,066	70.7	4,889	3,354	68.6	1,280	255	19.9	52	30	57.1											
PACIFIC:																										
Washington.....	293,478	195,259	66.5	165,137	114,415	69.3	102,201	69,148	67.7	20,605	9,062	44.0	906	515	56.8											
Oregon.....	175,386	117,078	66.8	115,379	81,625	69.9	45,947	30,583	66.6	8,414	3,147	37.4	198	105	53.0											
California.....	555,554	361,077	65.0	296,850	205,043	69.1	196,467	129,155	65.7	43,405	17,815	41.0	4,732	2,986	62.9											

## SCHOOL ATTENDANCE OF CHILDREN 6 TO 14 YEARS OF AGE, BY DIVISIONS AND STATES: 1910.

[Per cent not shown where base is less than 100.]

Table 14	ALL CLASSES.			NATIVE WHITE.						FOREIGN-BORN WHITE.			NEGRO.		
				Native percentage.			Foreign or mixed par.								
	DIVISION AND STATE.	Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.			
			Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		
United States.....	16,832,374	13,706,982	81.4	9,946,610	8,305,428	83.5	4,065,777	3,579,718	88.0	609,709	501,808	82.3	2,146,116	1,280,949	59.7
GEOGRAPHIC DIVISIONS:															
New England.....	1,020,848	938,171	91.9	403,222	373,507	92.6	519,333	478,982	92.2	88,455	76,918	87.0	9,206	8,364	90.9
Middle Atlantic.....	3,165,516	2,797,524	88.4	1,578,462	1,404,049	88.9	1,266,615	1,120,437	88.5	264,651	225,873	85.3	54,161	45,867	84.7
East North Central.....	3,113,033	2,774,423	89.1	1,930,669	1,727,919	89.5	1,020,472	909,619	89.1	116,344	98,096	84.3	41,344	35,566	86.0
West North Central.....	2,147,108	1,878,360	87.5	1,360,189	1,192,904	87.7	691,393	610,439	88.3	50,379	40,212	79.8	36,222	28,774	79.4
South Atlantic.....	2,604,537	1,829,989	70.3	1,551,023	1,188,906	76.7	78,516	63,769	81.2	14,581	10,474	71.8	955,261	565,475	59.2
East South Central.....	1,813,364	1,273,522	70.2	1,187,774	899,526	75.7	29,219	24,543	84.0	3,107	2,188	70.4	592,615	347,050	58.6
West South Central.....	1,929,188	1,336,748	69.3	1,300,466	979,378	75.3	132,312	87,600	66.2	25,272	10,681	42.3	451,767	245,121	54.3
Mountain.....	455,409	372,092	81.7	289,596	240,737	83.1	128,496	109,796	85.5	18,023	13,344	74.0	2,379	1,982	83.3
Pacific.....	586,371	506,153	86.3	345,209	298,502	86.5	199,227	174,533	87.6	28,957	23,992	82.9	3,161	2,750	87.0
NEW ENGLAND:															
Maine.....	117,355	104,674	89.2	74,927	67,677	90.3	35,202	31,124	88.4	6,885	5,578	81.0	183	166	90.7
New Hampshire.....	65,827	60,045	91.2	31,840	29,343	92.2	28,574	26,075	91.3	5,332	4,558	85.5	74	62	83.8
Vermont.....	57,413	53,342	92.9	39,305	36,576	93.1	15,048	14,036	93.3	2,926	2,613	89.3	129	113	87.6
Massachusetts.....	519,454	482,429	92.9	168,704	158,385	93.9	297,757	277,139	93.1	47,596	41,941	88.1	5,223	4,806	92.0
Rhode Island.....	85,276	75,700	88.8	24,851	22,652	91.2	48,908	43,543	89.0	10,136	8,356	82.4	1,323	1,160	87.7
Connecticut.....	175,523	161,921	92.3	63,595	58,874	92.6	94,044	87,065	92.6	15,580	13,902	89.2	2,274	2,057	90.5
MIDDLE ATLANTIC:															
New York.....	1,423,729	1,281,770	90.0	582,370	523,579	89.9	666,592	604,208	90.6	158,927	140,297	88.3	14,456	12,596	87.1
New Jersey.....	420,635	372,766	88.6	185,727	166,309	89.6	188,865	167,586	88.7	33,387	27,972	83.8	12,600	10,796	85.7
Pennsylvania.....	1,321,152	1,142,994	86.5	810,365	714,101	88.1	411,158	348,643	84.8	72,337	57,604	79.6	27,105	22,475	82.9
EAST NORTH CENTRAL:															
Ohio.....	773,270	694,638	89.8	568,219	513,328	90.3	163,451	145,851	89.2	25,799	21,679	84.0	15,755	13,742	87.2
Indiana.....	466,144	411,266	88.2	404,722	357,792	88.4	47,480	41,596	87.6	4,932	3,977	80.6	8,931	7,832	87.7
Illinois.....	953,898	837,719	87.8	525,750	463,600	88.2	365,653	321,953	88.0	49,275	40,448	82.3	14,030	11,636	83.0
Michigan.....	476,024	431,707	90.7	232,193	211,882	91.3	217,006	197,182	90.6	22,400	19,433	86.8	2,297	2,053	89.4
Wisconsin.....	443,787	399,093	89.9	199,735	181,308	90.8	226,252	203,057	89.7	14,938	12,559	84.1	341	303	88.9
WEST NORTH CENTRAL:															
Minnesota.....	389,622	346,172	88.5	135,742	120,518	88.8	236,744	211,063	89.2	14,344	12,340	86.0	649	584	90.0
Iowa.....	404,829	367,005	90.7	276,283	250,825	90.8	120,256	109,250	90.8	5,930	4,864	82.0	2,268	2,026	89.3
Missouri.....	592,803	504,544	85.2	489,274	418,100	85.5	72,288	62,654	86.7	7,697	6,214	80.7	23,465	17,811	75.9
North Dakota.....	114,294	92,223	80.7	34,807	28,790	82.7	68,653	55,439	81.5	9,923	6,878	70.0	56	43	76.8
South Dakota.....	112,910	93,998	83.3	52,792	44,419	84.1	52,771	44,633	84.6	3,443	2,509	72.9	110	95	86.4
Nebraska.....	223,284	204,329	90.2	132,454	119,323	90.1	84,554	76,807	90.8	4,668	3,974	85.1	819	720	87.9
Kansas.....	309,366	272,789	88.2	238,837	210,929	88.3	56,697	50,519	89.1	4,474	3,433	76.7	8,555	7,495	87.6
SOUTH ATLANTIC:															
Delaware.....	34,489	28,257	81.9	22,425	18,704	83.4	5,188	4,329	83.4	701	532	75.9	6,172	4,689	76.0
Maryland.....	235,868	189,245	80.2	150,708	125,551	83.3	34,669	27,774	80.0	5,210	3,936	75.5	45,233	31,968	70.7
District of Columbia.....	44,719	38,775	86.7	24,796	21,797	87.8	6,080	5,392	88.7	905	782	86.4	12,910	10,807	83.7
Virginia.....	440,920	301,007	68.3	278,208	203,703	73.2	7,355	5,882	80.0	1,410	1,006	71.3	153,827	90,367	58.7
West Virginia.....	247,341	204,076	82.5	224,980	186,709	83.0	9,105	7,552	82.9	2,841	1,878	66.1	10,404	7,927	76.2
North Carolina.....	498,561	357,412	71.7	325,555	246,294	75.7	1,802	1,514	84.0	330	214	64.8	169,034	108,200	64.0
South Carolina.....	357,509	223,966	62.6	143,332	103,355	72.1	1,741	1,418	81.4	227	164	72.2	122,125	116,981	56.1
Georgia.....	589,726	356,744	60.6	302,698	226,356	74.8	4,264	3,604	84.5	675	513	76.0	282,070	156,258	55.4
Florida.....	152,394	100,507	66.0	78,321	56,467	72.1	8,282	6,304	76.1	2,282	1,449	63.5	63,486	36,278	57.1
EAST SOUTH CENTRAL:															
Kentucky.....	469,180	356,608	76.0	406,263	309,958	76.3	14,091	12,269	87.1	720	603	83.8	48,039	33,761	70.3
Tennessee.....	455,703	328,474	72.1	351,218	264,147	75.2	5,723	4,787	83.6	782	617	78.9	97,927	58,805	60.1
Alabama.....	477,048	291,340	61.1	260,867	182,725	70.0	6,418	5,012	78.1	998	701	70.2	208,548	102,813	49.3
Mississippi.....	411,433	297,100	72.2	169,426	142,696	84.2	2,987	2,475	82.9	607	267	44.0	238,101	151,581	63.7
WEST SOUTH CENTRAL:															
Arkansas.....	345,282	241,938	70.1	238,328	178,097	74.7	6,778	5,503	81.2	684	382	55.8	99,383	57,872	58.2
Louisiana.....	366,354	200,145	54.6	184,903	126,106	68.4	17,265	12,028	69.7	2,563	1,299	50.7	161,969	60,654	37.4
Oklahoma.....	358,370	291,517	81.3	288,254	236,826	82.2	18,983	16,227	85.5	1,478	1,120	75.8	30,818	23,581	76.5
Texas.....	859,176	603,148	70.2	438,349	318,439	74.3	89,286	53,812	60.3	20,547	7,880	38.4	159,997	103,014	64.5
MOUNTAIN:															
Montana.....	56,664	46,879	82.7	27,619	23,055	83.5	23,923	20,581	86.0	2,627	1,998	76.4	166	138	83.1
Idaho.....	60,381	49,579	82.1	43,191	35,427	82.0	15,499	13,039	84.1	1,047	798	76.2	45	33	73.3
Wyoming.....	21,061	17,793	84.5	13,560	11,507	84.9	6,143	5,278	85.9	881	673	76.4	137	116	84.7
Colorado.....	129,855	112,568	86.7	84,634	73,083	86.4	37,779	33,407	88.4	5,649	4,591	81.7	1,429	1,220	85.4
New Mexico.....	66,610	48,535	72.9	54,368	41,812	76.9	5,682	4,269	75.1	1,593	901	56.6	210	155	73.8
Arizona.....	35,271	23,691	67.2	14,857	11,932	80.4	9,497	6,845	72.1	3,762	2,318	61.6	254	207	81.5
Utah.....	70,152	65,214	93.0	46,139	39,387	85.4	27,040	23,777	87.9	2,245	1,874	83.5	106	86	81.1
Nevada.....	9,412	7,833	83.2	5,228	4,514	86.3	2,927	2,600	88.8	249	191	76.7	32	27	84.4
PACIFIC:															
Washington.....	171,745	147,219	85.7	99,528	85,458	85.9	60,539	52,594	86.9	8,674	7,278	83.9	480	390	81.3
Oregon.....	101,042	86,414	85.5	70,565	60,059	85.1	26,074	22,735	87.3	2,984	2,469	82.7	102	79	77.5
California.....	313,584	272,620	86.9	175,116	152,985	87.4	112,614	99,184	88.1	17,299	14,245	82.3	2,579	2,281	88.4



## SCHOOL ATTENDANCE OF URBAN AND RURAL POPULATION, BY AGE PERIODS, FOR DIVISIONS: 1910.

Table 15	DIVISION AND CLASS OF POPULATION.	Total number of persons attending school.	PERSONS 6 TO 20 YEARS OF AGE.		PERSONS 6 TO 9 YEARS OF AGE.		PERSONS 10 TO 14 YEARS OF AGE.		PERSONS 15 TO 20 YEARS OF AGE.		OTHERS ATTENDING SCHOOL.				
			Total number.	Attending school.	Total number.	Attending school.	Total number.	Attending school.	Total number.	Attending school.	Under 6 years of age.	21 years of age and over.			
													Number.	Per cent.	Number.
UNITED STATES															
Urban, total.....	7,480,020	11,520,193	7,988,969	61.6	2,989,407	2,442,305	81.7	3,627,408	3,328,340	91.7	4,903,378	1,320,234	27.1	212,994	168,057
Male.....	3,760,074	5,611,266	3,466,049	62.0	1,496,269	1,222,433	81.7	1,798,218	1,649,907	91.8	2,346,779	623,709	26.6	106,546	97,470
Female.....	3,719,946	5,878,927	3,602,920	61.3	1,493,138	1,219,872	81.7	1,829,190	1,678,433	91.6	2,556,599	706,515	27.0	106,448	70,578
Native white.....	6,943,568	9,582,609	6,299,188	65.1	2,612,357	2,165,324	82.9	3,123,057	2,898,239	92.8	3,847,195	1,175,625	30.6	194,772	128,608
Native parentage.....	3,640,549	5,235,418	3,944,711	65.9	1,421,934	1,155,399	81.5	1,584,770	1,561,360	92.7	2,148,725	741,939	34.5	89,483	89,348
Foreign or mixed parentage.....	2,923,019	4,347,191	2,777,470	64.2	1,190,433	1,006,925	84.6	1,438,288	1,336,879	92.9	1,698,470	433,466	25.5	105,299	40,260
Foreign-born white.....	471,636	1,201,468	478,664	39.8	192,117	154,575	80.5	275,768	243,378	88.3	313,583	80,713	11.0	10,057	28,913
Negro.....	359,795	722,664	373,891	51.7	182,742	120,910	66.2	225,423	182,054	80.8	314,409	70,927	22.6	8,022	7,882
Rural, total.....	10,529,671	18,230,406	10,201,235	62.9	4,735,827	3,236,015	68.3	5,479,732	4,702,322	85.8	6,014,847	2,262,898	37.6	183,347	145,199
Male.....	5,337,581	8,283,428	5,165,797	62.4	2,400,018	1,634,147	68.1	2,803,535	2,386,198	85.1	3,079,875	1,145,452	37.2	90,026	81,758
Female.....	5,192,290	7,946,978	5,035,438	63.4	2,335,809	1,601,868	68.6	2,676,197	2,316,124	86.5	2,934,972	1,117,446	38.1	93,411	63,441
Native white.....	9,044,218	13,096,216	8,781,681	67.1	3,819,952	2,815,707	73.3	4,437,021	4,005,876	90.3	4,819,243	1,359,498	40.7	160,883	122,554
Native parentage.....	7,470,434	10,751,975	7,239,473	67.3	3,200,403	2,319,558	72.5	3,639,514	3,266,111	89.7	3,912,655	1,653,804	42.3	127,706	102,835
Foreign or mixed parentage.....	1,604,184	2,344,241	1,541,608	65.8	639,549	496,149	77.6	797,507	739,765	92.8	907,185	305,694	33.7	32,877	19,699
Foreign-born white.....	133,870	340,575	125,781	36.9	59,322	38,741	65.3	82,562	65,114	78.9	198,691	21,626	11.0	1,388	6,701
Negro.....	1,280,855	2,699,493	1,245,808	46.1	808,108	368,044	45.5	929,843	699,941	65.6	861,542	267,323	27.9	20,335	14,509
NEW ENGLAND.															
Urban, total.....	1,016,137	1,448,039	947,681	65.4	383,387	344,472	89.8	464,354	436,407	94.0	600,298	168,802	27.8	49,656	18,800
Male.....	507,107	717,861	471,389	65.7	192,762	173,405	90.0	231,526	217,969	94.2	263,758	79,983	27.2	24,802	10,916
Female.....	509,030	730,178	476,292	65.2	190,625	171,067	89.7	232,828	218,438	93.8	306,720	86,817	28.3	24,854	7,884
Native white.....	911,151	1,296,663	850,200	70.5	347,740	314,250	90.4	409,142	387,150	94.6	449,481	148,800	33.1	41,778	14,125
Native parentage.....	368,281	472,857	342,434	72.4	126,950	114,917	90.5	156,562	149,166	95.3	189,336	78,351	41.4	16,815	9,032
Foreign or mixed parentage.....	542,870	823,806	507,766	69.2	220,784	199,333	90.3	252,580	237,984	94.2	260,145	70,449	27.1	29,961	5,143
Foreign-born white.....	94,751	227,188	87,944	38.7	31,878	20,296	63.5	50,493	44,792	88.7	144,827	16,226	11.2	2,447	4,390
Negro.....	9,901	14,028	9,280	66.2	3,657	3,236	87.5	4,399	4,348	94.5	5,532	1,696	29.6	426	193
Rural, total.....	206,091	281,073	195,587	62.9	77,995	67,269	86.3	95,202	90,023	94.6	107,866	38,295	35.5	7,638	2,866
Male.....	104,038	145,372	98,627	67.9	39,521	31,110	86.3	49,009	46,214	94.3	56,688	18,303	32.3	3,517	1,594
Female.....	102,053	135,855	96,960	71.4	38,384	35,159	86.4	46,193	43,809	94.8	51,178	19,992	39.0	3,821	1,272
Native white.....	198,102	263,246	188,016	71.4	74,987	64,926	86.6	90,886	86,163	94.8	97,393	36,927	37.9	7,484	2,602
Native parentage.....	146,672	193,574	139,046	71.8	53,340	46,366	86.9	66,361	63,058	95.0	73,873	29,622	40.1	5,395	2,231
Foreign or mixed parentage.....	51,430	69,672	48,970	73.3	21,647	18,560	85.7	24,525	23,105	94.2	23,520	7,005	31.1	2,689	371
Foreign-born white.....	6,743	15,880	6,378	40.2	2,396	1,022	43.1	3,668	3,298	89.2	9,280	1,148	11.7	120	245
Negro.....	954	1,511	921	61.0	417	328	78.7	493	452	91.7	601	141	23.5	27	6
MIDDLE ATLANTIC.															
Urban, total.....	2,437,693	3,771,779	2,314,064	61.4	991,641	833,449	84.1	1,195,112	1,106,969	92.8	1,585,026	373,546	23.6	78,385	45,244
Male.....	1,221,498	1,923,131	1,163,221	60.5	495,065	415,106	83.9	600,342	553,963	92.3	827,784	194,152	23.5	38,852	19,425
Female.....	1,216,304	3,107,122	2,652,843	65.4	881,370	745,588	84.4	1,035,257	964,033	93.1	1,190,494	325,243	27.3	72,181	31,345
Native white.....	1,000,830	1,445,372	962,288	65.9	393,058	331,542	84.1	473,024	440,740	93.4	579,680	179,987	31.0	29,008	19,533
Native parentage.....	1,135,530	1,661,749	1,080,454	65.0	487,712	412,016	84.4	563,223	523,273	92.9	610,814	145,256	23.8	43,173	11,842
Foreign or mixed parentage.....	276,814	691,329	239,236	40.5	91,623	75,156	82.1	137,368	122,515	89.2	362,338	41,516	11.5	4,685	12,903
Foreign-born white.....	44,011	72,586	41,655	57.4	18,505	14,696	79.4	22,334	20,285	90.8	31,747	6,674	21.0	1,505	813
Rural, total.....	1,093,680	1,585,477	1,056,754	66.7	447,789	360,627	80.5	530,974	496,379	93.5	606,714	199,748	32.9	21,643	15,283
Male.....	555,727	817,802	536,356	66.6	226,731	182,509	80.5	271,217	254,407	93.7	319,854	99,800	31.2	10,643	8,728
Female.....	537,953	767,675	520,398	67.2	221,058	178,118	80.6	259,757	242,332	93.3	286,860	99,948	34.8	11,000	6,555
Native white.....	1,043,115	1,467,514	1,008,815	68.7	426,058	345,013	81.0	502,392	471,882	93.9	539,064	191,920	35.6	20,919	13,381
Native parentage.....	918,427	1,139,273	791,502	69.5	322,944	263,562	81.7	390,276	365,155	93.4	426,503	160,655	37.5	15,360	11,265
Foreign or mixed parentage.....	224,688	328,241	217,013	66.1	103,664	81,421	78.6	112,116	103,727	92.5	112,561	31,865	28.3	5,559	2,116
Foreign-born white.....	34,478	92,544	32,716	35.4	15,134	10,813	71.4	20,526	17,350	84.5	56,884	4,553	8.0	402	1,360
Negro.....	13,603	22,608	13,125	58.1	6,008	4,411	73.4	7,314	6,475	88.5	9,296	2,239	24.1	290	188
EAST NORTH CENTRAL.															
Urban, total.....	1,689,901	2,580,115	1,598,222	61.7	665,278	559,715	84.1	810,392	753,730	92.9	1,114,447	285,777	25.6	43,561	39,118
Male.....	827,958	1,276,471	792,930	62.1	333,002	280,428	84.2	402,662	375,057	93.3	540,806	136,995	25.3	21,993	20,035
Female.....	861,943	1,313,644	805,292	61.3	332,274	279,287	84.1	407,729	377,223	92.5	573,641	148,782	25.9	21,568	16,083
Native white.....	1,552,739	2,312,243	1,479,644	64.0	612,624	517,493	84.5	744,268	693,790	93.2	955,851	268,288	28.1	41,183	31,901
Native parentage.....	946,069	1,206,654	804,496	66.7	331,060	281,888	85.0	385,299	359,339	93.3	492,265	133,649	27.2	20,657	15,916
Foreign or mixed parentage.....	706,661	1,105,589	675,146	61.1	281,564	236,605	83.8	360,969	334,391	92.6	463,656	104,752	22.6	21,128	10,385
Foreign-born white.....	95,615	225,702	87,512	38.8	40,619	31,803	79.4	50,674	44,269	88.4	135,569	11,440	8.4	1,912	6,191
Negro.....	31,973	51,428	30,631	59.6	12,455	10,304	82.7	15,850	14,482	91.4	23,123	5,845	25.3	454	888
Rural, total.....	1,895,102	2,646,928	1,833,400	63.9	740,998	613,867	82.8	896,367	848,111	94.6	1,009,653	371,422	36.8	37,316	24,386
Male.....	967,946	1,358,618	935,449	69.9	376,819	311,802	82.7	458,515	433,764	94.6	523,284	189,883	36.3	18,480	14,017
Female.....	927,156	1,288,310	897,951	69.7	364,179	302,065	82.9	437,852	414,347	94.6	486,369	180,539	37.3	17,790	13,369
Native white.....	1,827,105	2,561,733	1,790,081	69.9	722,510	600,602	83.0	871,627	826,103	94.8	967,504	333,726	37.6	36,607	22,787
Native parentage.....	1,417,289	1,925,674	1,373,603	71.3	540,441	444,288	82.8	655,892	622,744	94.8	709,264	286,571	40.4	26,067	17,619
Foreign or mixed parentage.....	432,716	636,079	416,378	65.5	182,129	135,804	83.8	215,810	203,419	94.3	258,140	77,155	29.9	10,630	5,168
Foreign-born white.....	27,658	57,930	25,953	44.4	9,535	8,467	77.5	12,523	13,527	88.7	31,719	3,909	12.3	336	1,389
Negro.....	14,162	21,409	13,831	61.6	5,705	4,190	72.9	7,334	6,620	90.3	8,570	3,051	35.5	169	

## SCHOOL ATTENDANCE OF URBAN AND RURAL POPULATION, BY AGE PERIODS FOR DIVISIONS: 1910—Continued.

Table 15—Continued.

DIVISION AND CLASS OF POPULATION.		PERSONS 6 TO 20 YEARS OF AGE.				PERSONS 20 TO 9 YEARS OF AGE.				PERSONS 10 TO 15 YEARS OF AGE.				PERSONS 15 TO 20 YEARS OF AGE.				OTHERS ATTENDING SCHOOL.	
		Attending school.		Total number.	Per cent.	Attending school.		Total number.	Per cent.	Attending school.		Total number.	Per cent.	Attending school.		Total number.	Under 16 years of age.	21 years of age and over.	
		Number.	Per cent.			Number.	Per cent.			Number.	Per cent.			Number.	Per cent.				
SOUTH ATLANTIC.																			
Urban, total.....	506,487	877,545	436,650	55.5	228,870	157,862	69.0	277,154	231,355	83.5	371,491	97,433	26.2	7,806	12.01				
Male.....	242,450	420,314	231,896	55.2	113,840	77,806	68.3	135,475	110,446	81.5	170,949	42,554	24.9	3,750	6.84				
Female.....	264,037	457,231	254,814	55.7	114,980	80,056	69.6	141,709	119,909	84.6	200,542	54,879	27.4	4,056	5.17				
Native white.....	301,215	587,909	347,678	59.1	156,902	112,698	71.8	187,781	163,106	86.9	243,226	71,874	29.6	5,115	8.422				
Native percentage.....	365,435	495,825	294,275	59.4	131,794	93,970	71.3	157,392	136,899	87.0	206,639	63,406	30.7	3,910	7.250				
Foreign or mixed parentage.....	55,750	92,084	53,403	58.0	25,108	18,728	74.6	30,389	26,267	86.2	36,587	8,468	23.1	1,205	1.712				
Foreign-born white.....	9,679	23,753	8,832	37.2	4,249	2,958	69.6	5,793	4,502	77.7	13,711	1,372	10.0	129	1.88				
Negro.....	135,483	265,742	130,670	48.9	67,698	42,188	62.3	83,573	63,716	76.2	111,771	24,166	21.1	2,559	2.854				
Rural, total.....	1,911,977	3,262,214	1,860,801	57.0	976,608	573,057	58.7	1,118,874	867,715	77.6	1,166,731	420,029	36.0	25,867	25.30				
Male.....	955,370	1,644,278	928,827	56.5	493,188	287,543	58.3	571,690	434,045	75.9	571,400	207,229	35.8	12,891	13.91				
Female.....	956,607	1,617,936	931,974	57.6	483,421	285,514	59.1	547,184	433,670	79.3	595,331	212,790	36.2	13,215	11.45				
Native white.....	1,315,082	2,008,719	1,278,521	63.6	599,206	396,907	66.3	685,560	579,874	84.6	723,933	301,650	41.7	17,817	18.744				
Native percentage.....	1,291,063	1,972,025	1,255,338	63.7	588,540	389,250	66.1	673,197	568,787	84.5	710,188	297,301	41.9	17,435	18.290				
Foreign or mixed parentage.....	24,019	36,994	23,183	63.2	10,566	7,747	73.3	12,453	11,087	89.0	15,675	4,349	31.8	382	4.54				
Foreign-born white.....	8,834	11,934	3,558	29.8	2,073	1,245	60.1	2,466	1,769	71.7	7,395	344	4.7	6	240				
Negro.....	591,194	1,288,277	576,904	46.6	374,324	174,277	46.6	429,666	285,244	66.4	434,287	117,333	27.0	7,992	6.298				
EAST SOUTH CENTRAL.																			
Urban, total.....	263,742	445,707	254,486	57.1	114,096	79,880	70.0	140,297	120,545	85.9	191,314	54,172	28.3	3,993	5.283				
Male.....	125,005	213,277	120,026	56.3	56,572	39,133	69.2	68,361	57,747	84.5	88,344	23,146	26.2	1,960	3.073				
Female.....	138,737	232,430	134,460	57.8	57,524	40,727	70.8	71,936	62,797	87.2	102,970	31,026	30.1	2,023	2.184				
Native white.....	187,252	297,894	181,054	60.8	77,883	57,150	73.4	94,506	84,706	89.6	125,945	39,108	31.2	2,623	3.675				
Native percentage.....	169,222	262,656	160,689	61.2	70,144	51,657	72.8	83,374	74,585	89.5	109,138	33,047	32.1	2,206	3.327				
Foreign or mixed parentage.....	21,030	35,238	20,765	57.8	7,720	6,003	77.8	11,152	10,121	90.9	16,367	4,151	25.4	917	4.48				
Foreign-born white.....	2,086	4,513	1,891	41.9	773	571	73.9	1,123	932	83.0	2,617	388	14.8	30	165				
Negro.....	74,376	143,233	71,519	49.9	35,433	22,136	62.5	44,646	34,804	78.0	63,154	14,579	23.1	1,440	2.117				
Rural, total.....	1,466,449	2,443,642	1,418,787	58.1	729,925	427,966	58.6	829,046	645,242	77.8	894,671	345,569	39.1	26,559	29.113				
Male.....	739,444	1,232,972	714,543	58.0	369,977	214,919	58.2	425,001	324,921	76.5	439,394	175,003	39.9	12,828	11.778				
Female.....	727,005	1,210,670	704,244	58.1	360,348	213,047	59.1	404,045	320,321	79.3	455,277	170,566	38.2	13,731	9.540				
Native white.....	1,076,821	1,638,602	1,041,067	63.6	492,401	318,051	64.6	552,205	464,162	84.1	593,988	229,744	43.7	18,052	16.782				
Native percentage.....	1,055,631	1,621,067	1,014,133	63.6	487,946	314,829	64.5	546,510	458,655	84.0	588,841	227,249	43.8	17,933	16.565				
Foreign or mixed parentage.....	11,190	17,565	10,824	61.8	4,355	3,122	70.1	5,893	5,207	88.4	7,157	2,495	34.9	149	217				
Foreign-born white.....	937	2,440	850	34.8	522	272	52.1	689	443	65.9	1,229	165	13.4	10	77				
Negro.....	388,412	81,647	375,711	46.9	236,706	109,565	46.3	275,830	180,545	65.5	289,111	85,601	29.6	8,453	4.268				
WEST SOUTH CENTRAL.																			
Urban, total.....	342,290	571,407	329,880	57.7	154,821	100,054	64.6	181,580	156,987	86.5	235,008	72,839	31.0	4,830	7.880				
Male.....	164,501	274,307	157,527	57.6	77,403	49,541	64.0	89,184	76,258	85.5	107,720	32,128	29.8	2,269	3.205				
Female.....	177,789	297,100	172,353	57.9	77,418	50,513	65.2	92,396	80,729	87.4	127,280	40,711	32.0	2,561	3.775				
Native white.....	268,273	422,218	258,581	61.2	116,822	75,065	66.8	135,514	121,189	89.4	169,882	59,297	34.9	3,592	6.100				
Native percentage.....	229,758	355,359	221,411	62.3	99,166	67,078	67.6	113,909	102,653	90.1	142,284	51,680	36.3	2,993	5.381				
Foreign or mixed parentage.....	38,488	66,839	37,170	55.6	17,658	11,017	62.4	21,665	18,536	85.8	27,598	7,617	27.6	599	5.789				
Foreign-born white.....	6,800	17,962	6,384	35.5	3,335	1,700	48.1	5,121	3,519	68.7	9,346	1,165	12.5	111	305				
Negro.....	65,749	129,316	63,510	49.1	33,944	19,851	58.5	40,282	31,666	78.6	55,090	11,993	21.8	1,109	1,130				
Rural, total.....	1,452,810	2,486,167	1,417,127	57.0	757,835	418,792	55.3	834,951	660,915	79.2	893,380	337,420	37.8	16,451	19.232				
Male.....	735,882	1,250,963	717,138	56.9	384,095	210,648	54.8	426,425	333,854	78.3	449,383	172,656	38.4	7,932	10.812				
Female.....	716,928	1,236,204	699,989	57.1	373,741	208,144	55.7	408,526	327,061	80.1	443,997	164,764	37.1	8,519	8.420				
Native white.....	1,171,758	1,839,094	1,143,698	62.2	564,512	341,243	60.4	615,630	526,451	85.5	658,652	276,094	41.9	12,776	15.284				
Native percentage.....	1,097,145	1,692,987	1,070,490	63.2	521,658	321,530	61.6	565,733	488,497	86.3	605,596	260,843	43.1	12,135	14.520				
Foreign or mixed parentage.....	74,163	146,107	73,208	50.1	42,554	29,063	68.9	50,197	37,954	75.6	53,056	15,161	28.6	641	764				
Foreign-born white.....	7,187	35,198	6,808	25.5	6,721	1,674	24.9	9,865	3,788	38.3	16,582	1,546	8.1	43	336				
Negro.....	255,944	586,281	249,226	42.5	177,358	70,527	39.7	199,983	122,077	61.5	208,740	55,622	26.6	3,357	3,361				
MOUNTAIN.																			
Urban, total.....	173,546	246,337	165,739	67.3	66,329	52,269	78.8	78,053	72,996	93.5	101,955	40,824	39.7	2,995	4.762				
Male.....	85,156	120,988	80,982	66.9	33,208	26,170	78.8	38,749	36,277	93.6	49,031	18,535	37.8	1,533	2.671				
Female.....	88,390	125,349	84,807	67.7	33,121	26,099	78.8	39,304	36,719	93.4	52,924	21,989	41.5	1,462	2.901				
Native white.....	164,025	226,849	156,993	69.2	62,471	49,474	79.2	72,999	68,622	94.0	91,379	38,387	42.5	2,850	4.242				
Native percentage.....	102,077	139,171	97,569	70.1	39,554	31,075	78.6	41,343	41,621	93.9	55,274	24,813	44.9	1,662	2.906				
Foreign or mixed parentage.....	61,948	87,678	59,424	67.8	22,917	18,309	80.3	28,656	27,001	94.2	38,105	14,024	36.8	1,188	1.536				
Foreign-born white.....	7,316	15,718	7,316	46.5	2,930	1,214	41.6	3,975	3,100	78.0	5,807	1,214	20.8	99	448				
Negro.....	1,890	2,906	1,630	61.4	782	601	76.9	910	839	92.2	1,274	380	29.8	42	28				
Rural, total.....	331,045	495,417	322,158	60.0	149,470	103,601	69.3	161,557	143,226	88.7	154,390	75,331	49.3	4,373	5.114				
Male.....	170,852	259,322	167,577	63.8	75,413	52,524	69.8	82,549	73,828	89.6	100,250	59,120	59.0	2,172	3.103				
Female.....	160,193	236,095	154,581	66.4	74,057	51,077	69.3	78,008	69,398	89.0	84,134	36,211	43.0	2,201	2,011				
Native white.....	311,703	441,108	303,258	68.7	135,950	98,134	72.2	146,666	134,003	91.6	158,492	70,821	44.7	4,064	4,064				
Native percentage.....	225,675	317,925	219,538	69.1	100,193	71,854	71.7	105,506	96,187	91.2	112,226	51,497	45.9	3,075	3,062				
Foreign or mixed parentage.....	180,262	248,714	181,804	68.8	72,062	52,751	73.6	87,054	82,549	94.8	122,148	58,652	48.0	3,269	6,818				
Foreign-born white.....	10,055	26,856	9,536	35.5	5,035	3,039	60.4	6,077	4,744	78.1	15,744	1,753	11.1	98	421				
Negro.....	729	1,204	711	59.1	311	215	69.1	376	327	87.0	517	169	32.7	9	9				
PACIFIC.																			
Urban, total.....	364,207	534,615	345,874	64.6	129,100	83,179	70.9	122,033	122,481	93.9	243,214	89,918	37.0.						

## PRINCIPAL CITIES: 1909-10.

Statistics of school attendance in cities having 100,000 inhabitants or more in 1910 are given in Tables 16 and 17. Table 16 relates to the population 6 to 20 years of age and gives details by color or race, nativity, and parentage. A similar statement for cities having from 25,000 to 100,000 inhabitants is given in Table 18, pages 233 to 235. By reason of the peculiar interest which attaches to the population from 6 to 14 years of age—the ages of customary school attendance—statistics for this group are presented for the larger cities in Table 17, page 232.

In the larger cities the proportion of persons from 6 to 20 years of age attending school in 1909-10 ranged from 51 per cent in Richmond to 69.8 per cent in Cambridge. High percentages of school attendance (65 or over) are shown for Boston, Cambridge, Denver, Los Angeles, New Haven, Oakland, and Worcester, and comparatively low percentages (under 55) for Atlanta, Baltimore, Birmingham, Memphis, New Orleans, and Richmond. The fact that cities with a small percentage of school attendance are found almost entirely in the South is largely, but not wholly, explained by the large negro population in southern cities.

## SCHOOL ATTENDANCE OF POPULATION 6 TO 20 YEARS OF AGE IN CITIES OF 100,000 INHABITANTS OR MORE: 1910.

[Per cent not shown where base is less than 100.]

CITY.	ALL CLASSES.			NATIVE WHITE.						FOREIGN-BORN WHITE.			NEGRO.		
				Native parentage.			Foreign or mixed parentage.								
	Attending school.			Attending school.			Attending school.			Attending school.			Attending school.		
	Total number.	Number.	Per cent.	Total number.	Number.	Per cent.	Total number.	Number.	Per cent.	Total number.	Number.	Per cent.	Total number.	Number.	Per cent.
Albany, N. Y.	23,794	14,816	62.3	13,553	8,948	66.0	8,498	5,115	60.2	1,521	625	41.1	220	128	58.2
Atlanta, Ga.	42,981	25,337	54.3	25,788	14,819	57.6	1,977	1,266	64.0	583	258	44.3	14,650	6,963	47.6
Baltimore, Md.	133,586	79,933	52.0	81,680	49,924	53.8	41,411	21,976	53.1	9,763	3,737	38.3	20,715	10,284	49.6
Birmingham, Ala.	36,939	20,135	54.5	19,150	11,065	57.8	3,056	1,798	58.8	707	284	40.6	14,025	6,978	49.8
Boston, Mass.	169,116	115,210	68.1	40,446	29,633	73.3	97,928	70,729	72.2	28,195	13,160	46.7	2,455	1,650	67.2
Bridgeport, Conn.	26,938	16,262	60.4	7,355	4,958	67.4	14,118	9,449	66.9	5,200	1,688	32.5	264	167	63.3
Buffalo, N. Y.	120,366	73,412	61.0	40,594	27,057	66.7	67,528	41,247	61.1	11,928	4,911	41.2	302	191	63.2
Cambridge, Mass.	27,426	19,152	69.8	6,654	5,035	75.7	15,950	11,646	73.0	3,590	1,583	44.1	1,227	886	72.2
Chicago, Ill.	594,012	349,037	58.8	129,847	87,524	67.4	308,343	224,172	69.9	88,414	53,065	57.3	7,226	4,243	58.7
Cincinnati, Ohio.	48,618	55,474	59.5	55,631	34,397	62.9	30,104	16,730	55.6	4,528	1,884	41.6	3,962	2,261	57.2
Cleveland, Ohio.	150,887	92,094	61.0	39,081	27,520	70.4	84,619	52,944	62.6	25,570	10,656	41.7	1,591	962	60.5
Columbus, Ohio.	44,354	27,631	62.3	31,770	20,364	64.7	8,474	4,976	58.7	1,380	578	41.9	2,717	1,506	55.4
Dayton, Ohio.	28,726	17,624	61.4	20,290	12,976	64.0	6,003	3,547	59.1	1,408	521	37.0	1,022	580	56.8
Denver, Colo.	51,958	31,537	60.5	27,775	19,012	68.5	19,962	13,924	69.6	3,116	1,549	49.7	1,044	615	61.8
Detroit, Mich.	122,979	69,808	56.8	33,365	21,848	65.5	69,899	40,152	57.4	18,577	7,152	38.5	1,121	647	57.7
Fall River, Mass.	36,235	22,819	63.0	5,124	3,883	75.8	22,802	15,351	67.3	8,236	3,543	43.0	64	40	62.5
Grand Rapids, Mich.	30,138	19,141	63.5	10,975	7,422	67.2	16,962	10,387	63.9	2,780	1,262	45.4	119	69	58.0
Indianapolis, Ind.	50,997	35,014	61.4	40,738	25,683	63.0	9,915	5,859	59.1	1,437	498	34.7	4,902	2,970	60.6
Jersey City, N. J.	78,300	47,198	60.3	27,760	18,128	65.3	40,637	25,966	62.2	2,594	2,932	34.3	1,282	811	63.3
Kansas City, Mo.	57,467	34,230	59.5	38,633	23,257	61.1	12,500	7,544	60.4	2,345	1,043	44.5	4,548	2,310	52.1
Los Angeles, Cal.	69,036	41,935	62.3	38,826	26,211	67.5	21,514	14,359	66.7	6,287	3,073	48.9	1,738	1,100	63.3
Louisville, Ky.	60,690	35,762	58.9	38,393	25,531	66.5	11,729	6,552	55.9	1,000	593	59.3	9,374	5,296	56.5
Lowell, Mass.	28,570	17,603	61.6	5,287	3,908	73.9	17,196	11,634	67.7	6,055	2,407	39.8	29	13	44.8
Memphis, Tenn.	32,462	17,169	52.9	16,161	9,744	60.3	2,952	1,798	61.0	722	278	38.5	12,617	5,343	42.3
Milwaukee, Wis.	109,078	63,228	58.0	30,854	21,076	68.3	67,332	37,904	56.3	10,723	4,167	38.9	145	79	54.5
Minneapolis, Minn.	75,611	48,655	64.3	25,619	17,939	69.9	42,371	27,332	64.6	7,152	3,047	42.6	406	270	66.5
Nashville, Tenn.	31,803	18,191	57.2	19,315	11,506	59.6	1,670	1,036	62.0	286	158	55.2	10,531	5,491	52.1
New Haven, Conn.	30,293	24,252	66.9	10,639	7,815	73.6	18,829	13,292	70.6	6,048	2,619	43.3	740	501	67.7
New Orleans, La.	98,468	52,739	53.6	55,366	32,569	58.3	15,604	8,190	52.5	2,276	897	39.4	24,685	11,129	45.1
New York, N. Y.	1,334,337	838,720	62.1	307,697	206,833	67.2	690,672	417,677	62.3	318,400	140,522	44.1	17,184	9,417	54.8
Manhattan Borough	628,659	368,915	58.9	98,078	68,072	69.3	315,329	212,431	67.4	204,648	87,390	42.7	10,354	5,842	57.1
Brooklyn Borough	129,817	89,889	69.2	57,783	41,259	69.6	70,915	48,347	68.5	17,530	7,366	42.2	881	544	61.7
Queens Borough	47,767	306,889	61.4	132,628	89,212	67.3	247,740	170,418	68.8	86,890	40,970	47.1	4,903	2,933	59.8
Richmond Borough	86,030	57,618	67.0	31,736	27,640	73.5	36,722	31,577	86.0	7,304	2,929	40.1	786	465	61.5
Manhattan Borough	25,089	17,611	70.2	9,972	7,439	74.6	15,266	8,608	56.6	8,555	1,067	12.4	310	194	62.9
Newark, N. J.	97,544	61,916	63.5	30,348	20,460	67.4	48,836	32,846	67.3	16,256	7,283	44.8	2,087	1,318	63.2
Oakland, Cal.	34,133	22,253	65.2	14,143	9,929	70.2	16,063	10,340	64.5	2,648	1,227	46.3	533	325	61.0
Omaha, Neb.	31,281	20,085	64.2	13,887	9,321	67.1	14,324	9,268	64.7	2,317	1,054	45.5	741	434	58.6
Patterson, N. J.	36,457	21,739	59.7	9,958	5,799	58.0	20,976	13,265	63.2	6,046	2,502	41.4	866	510	59.4
Philadelphia, Pa.	410,243	237,333	57.9	171,550	105,029	61.2	169,244	101,647	60.1	52,370	21,291	40.7	16,999	9,323	54.8
Pittsburgh, Pa.	146,699	85,777	58.5	55,570	35,536	63.9	68,814	41,949	59.7	16,600	5,813	35.0	5,605	3,368	60.1
Syracuse, N. Y.	43,272	26,146	60.4	22,914	14,593	63.7	15,854	9,704	61.6	4,027	1,600	41.2	122	64	52.5
Toledo, Ohio.	57,559	35,309	61.3	15,392	10,583	69.2	30,168	19,090	63.3	3,990	367	9.2	1,177	743	63.1
Richmond, Va.	35,271	17,986	51.0	20,012	11,205	56.0	1,939	1,104	56.9	446	212	47.5	12,873	5,465	42.5
Rochester, N. Y.	54,998	33,752	61.4	22,223	14,891	67.0	25,303	15,624	61.6	7,227	3,129	43.3	176	105	59.7
St. Louis, Mo.	181,402	101,320	55.9	94,609	56,588	59.8	63,495	34,944	53.4	12,275	4,536	36.9	8,907	4,397	55.0
St. Paul, Minn.	58,946	37,187	63.1	18,708	12,986	69.3	35,262	21,922	62.2	4,468	1,957	43.8	496	319	64.3
San Francisco, Cal.	85,368	50,128	58.7	30,481	18,973	62.2	43,664	26,569	60.8	8,746	3,324	40.3	244	112	45.9
Seranton, Pa.	39,397	22,964	58.3	13,686	8,920	65.2	21,712	12,619	58.1	3,855	1,338	34.7	143	87	60.8
Seattle, Wash.	49,294	31,699	64.1	26,919	15,957	66.7	19,586	12,667	64.7	4,846	2,062	42.6	281	157	55.9
Spokane, Wash.	24,159	15,259	63.2	14,699	9,099	65.0	8,324	5,374	64.6	1,655	696	42.1	124	79	63.7
Syracuse, N. Y.	34,171	21,131	61.8	16,101	10,730	67.8	14,336	9,014	62.9	3,516	1,365	38.0	214	131	61.2
Toledo, Ohio.	57,559	35,309	61.3	15,392	10,583	69.2	30,168	19,090	63.3	3,990	367	9.2	1,177	743	63.1
Washington, D. C.	79,249	50,859	64.2	43,082	28,724	66.7	10,465	7,079	67.6	2,047	1,018	49.7	23,593	14,000	59.3
Worcester, Mass.	38,277	24,928	65.1	10,718	7,752	72.3	21,711	14,695	67.7	5,362	2,292	41.2	282	185	65.6

For children from 6 to 14 years of age the percentage attending school is generally high. For the principal cities the range of variation was from 74.4 in Richmond and Birmingham to 95.2 in Cambridge. Among the 50 cities having 100,000 inhabitants or more there are 21 in which 90 per cent or over of the children from

6 to 14 years of age were reported as attending school. Exceptionally high percentages (92 and over) are shown for Boston, Bridgeport, Cambridge, New Haven, and Omaha, while low percentages (less than 80) are noted in Atlanta, Baltimore, Birmingham, Memphis, Nashville, New Orleans, and Richmond.

# SCHOOL ATTENDANCE OF CHILDREN 6 TO 14 YEARS OF AGE IN CITIES OF 100,000 INHABITANTS OR MORE: 1910.

[Per cent not shown where base is less than 100.]

Table 17

CITY.	ALL CLASSES.		NATIVE WHITE.						FOREIGN-BORN WHITE.						NEGRO.	
	Total number		Native parentage.			Foreign or mixed parentage.			Total number.			Total number.			Total number.	
	Attending school.		Attending school.			Attending school.			Attending school.			Attending school.			Attending school.	
	Number.	Per cent.	Total number.	Number.	Per cent.	Total number.	Number.	Per cent.	Total number.	Number.	Per cent.	Total number.	Number.	Per cent.	Number.	Per cent.
Albany, N. Y.	13,380	11,524	88.4	7,906	7,063	88.7	4,671	4,124	88.3	617	524	84.9	125	113	90.4	
Atlanta, Ga.	24,099	18,486	76.7	14,661	11,620	79.3	1,160	974	84.0	265	206	77.7	8,011	5,685	71.0	
Baltimore, Md.	87,891	68,218	77.6	47,294	36,895	78.0	24,985	19,540	78.2	4,339	3,267	75.3	11,265	8,509	75.5	
Birmingham, Ala.	21,539	16,019	74.4	11,350	8,488	74.8	1,878	1,470	78.3	329	254	77.2	7,982	5,807	72.8	
Boston, Mass.	106,560	94,234	88.7	24,514	22,994	93.8	65,620	60,901	91.3	10,965	9,873	90.0	1,430	1,337	93.5	
Bridgeport, Conn.	15,299	14,123	92.3	4,361	4,058	93.1	9,116	8,448	92.7	1,660	1,476	88.9	162	141	87.0	
Buffalo, N. Y.	69,105	60,813	88.1	24,611	21,652	90.1	40,452	35,633	88.0	4,730	3,966	83.8	176	157	89.2	
Cambridge, Mass.	16,502	15,718	95.2	4,921	3,818	95.0	10,326	9,918	96.0	1,391	1,265	90.9	752	715	95.1	
Chicago, Ill.	336,808	296,766	88.1	79,064	70,540	89.2	219,774	193,994	88.3	34,078	28,760	84.4	3,404	3,424	89.2	
Cincinnati, Ohio.	50,425	45,685	90.6	31,462	28,593	90.9	15,110	13,718	90.8	1,826	1,565	85.7	2,840	1,807	89.3	
Cleveland, Ohio.	86,513	78,595	90.8	23,915	22,283	93.2	51,073	46,100	90.4	10,675	9,366	87.7	838	775	92.5	
Columbus, Ohio.	24,086	21,531	89.4	17,441	15,892	90.1	4,445	3,934	88.5	597	489	81.9	1,396	1,210	86.7	
Dayton, Ohio.	15,959	14,477	90.1	11,586	10,483	90.5	5,265	2,946	90.2	551	462	83.8	556	486	87.4	
Denver, Colo.	29,307	26,357	90.3	15,905	14,242	89.5	11,380	10,397	91.4	1,417	1,283	90.5	579	513	88.6	
Detroit, Mich.	68,947	59,575	86.5	19,785	17,844	90.2	41,034	35,025	85.4	7,405	6,162	83.2	615	536	87.2	
Fall River, Mass.	21,709	19,915	91.8	3,388	3,242	95.7	15,202	13,923	91.6	3,071	2,713	88.3	37	36	.....	
Grand Rapids, Mich.	17,160	15,585	90.9	6,365	5,651	88.8	9,447	8,593	91.0	1,222	1,082	88.5	65	58	.....	
Indianapolis, Ind.	31,986	29,008	90.7	26,368	21,220	90.8	5,350	4,807	90.0	422	422	83.4	2,759	2,495	90.5	
Jersey City, N. J.	47,024	40,556	86.2	17,688	15,348	86.8	25,454	21,997	86.4	3,107	2,536	81.6	774	674	87.1	
Kansas City, Mo.	30,571	26,572	86.9	20,504	17,822	86.9	6,705	5,952	88.0	1,044	884	84.7	2,251	1,910	84.9	
Los Angeles, Cal.	37,189	33,761	90.6	21,179	19,167	90.5	12,076	11,075	91.7	2,820	2,455	87.1	838	668	93.0	
Louisville, Ky.	33,689	29,701	88.2	22,321	19,704	88.3	6,104	5,452	89.3	362	303	84.3	4,902	4,240	86.5	
Lowell, Mass.	16,119	14,729	91.3	3,235	3,024	93.5	10,966	10,054	91.7	1,906	1,632	85.6	12	10	.....	
Memphis, Tenn.	17,444	13,372	76.7	9,053	7,453	82.1	1,609	1,302	84.6	296	225	76.0	6,440	4,317	67.0	
Milwaukee, Wis.	62,112	54,165	87.2	18,551	16,993	90.1	35,670	35,389	96.3	4,517	3,724	82.4	72	58	.....	
Minneapolis, Minn.	40,014	35,912	89.7	14,184	12,621	89.0	22,878	20,686	90.4	2,722	2,405	88.4	225	197	87.6	
Nashville, Tenn.	17,157	13,739	79.8	11,081	8,793	79.1	901	770	84.4	136	109	80.1	5,538	4,998	74.0	
New Haven, Conn.	21,724	20,466	94.2	6,525	6,172	94.6	12,315	11,654	94.6	2,446	2,269	91.3	436	400	91.7	
New Orleans, La.	57,661	44,377	77.0	34,014	27,338	80.4	8,633	6,835	79.2	1,009	746	73.9	13,990	9,446	67.5	
New York, N. Y.	770,037	698,915	90.6	188,327	170,200	90.4	446,143	407,354	91.3	126,590	112,532	88.9	8,864	7,783	87.8	
Brooklyn Borough.	353,730	308,582	87.3	67,406	60,837	88.6	268,512	246,099	91.6	78,061	69,275	88.7	4,993	4,445	89.0	
Manhattan Borough.	74,875	68,212	91.1	22,608	20,437	90.5	44,834	41,141	91.7	6,887	6,183	89.2	512	457	89.3	
Queens Borough.	382,610	267,235	91.1	81,367	73,678	90.6	160,686	147,559	91.7	37,842	33,814	89.4	2,764	2,441	88.3	
Richmond Borough.	62,523	49,191	78.8	29,449	19,109	64.9	29,310	27,238	92.9	2,739	2,453	89.7	418	382	91.4	
St. Louis, Mo.	15,849	14,788	93.3	6,497	6,073	93.5	8,181	7,690	93.9	591	582	98.0	177	158	89.3	
Newark, N. J.	57,520	52,885	91.9	18,534	16,984	91.6	30,963	28,678	92.6	6,837	6,138	89.8	1,184	1,076	90.9	
Oakland, Cal.	18,952	16,827	88.8	8,371	7,419	88.6	8,819	7,890	89.5	1,145	1,007	87.9	280	247	88.2	
Omaha, Neb.	16,917	15,624	92.4	7,688	7,033	92.3	7,838	7,373	94.1	883	883	88.6	382	343	89.8	
Paterson, N. J.	21,415	19,264	90.1	5,563	4,976	89.4	13,103	11,908	90.9	2,526	2,217	87.8	217	192	88.5	
Philadelphia, Pa.	237,900	205,009	86.2	100,957	87,859	87.1	104,852	90,244	86.0	22,413	18,727	83.6	9,604	8,051	83.8	
Pittsburgh, Pa.	84,821	72,316	85.3	33,588	29,001	86.3	41,799	35,537	85.0	6,054	4,941	81.6	3,371	2,833	84.0	
Portland, Ore.	22,255	19,084	85.8	12,149	10,382	85.5	8,291	7,231	87.2	1,611	1,328	82.4	63	48	.....	
Providence, R. I.	33,114	25,550	82.9	9,053	8,247	91.1	19,381	17,353	89.5	3,988	3,319	83.6	679	603	88.8	
Richmond, Va.	19,540	14,562	74.4	11,353	8,883	78.2	1,088	892	82.0	202	173	85.6	6,927	4,514	65.2	
Rochester, N. Y.	39,312	27,859	70.9	12,851	11,871	92.4	14,468	13,306	92.0	2,895	2,591	89.5	96	90	.....	
St. Louis, Mo.	99,905	85,421	85.5	55,384	47,575	85.9	34,513	29,606	85.8	5,251	4,272	81.4	4,725	3,941	83.4	
St. Paul, Minn.	31,438	28,871	91.7	10,784	9,709	90.6	18,446	17,234	93.4	1,809	1,724	89.9	261	243	93.1	
San Francisco, Cal.	44,536	38,659	86.6	17,065	14,610	86.2	23,419	20,009	85.0	3,324	2,813	84.6	108	87	80.6	
Scranton, Pa.	23,398	19,525	83.4	8,545	7,337	85.9	13,220	10,958	82.9	1,553	1,157	74.5	80	73	.....	
Seattle, Wash.	26,432	22,689	85.5	13,373	11,462	85.7	10,801	9,285	86.0	1,958	1,606	82.0	153	127	83.0	
Spokane, Wash.	13,513	11,363	84.1	8,111	6,765	83.4	4,636	3,985	86.0	696	553	79.5	61	54	.....	
Syracuse, N. Y.	19,186	16,857	87.9	9,180	8,071	87.9	8,624	7,627	88.4	1,255	1,046	83.3	126	112	88.9	
Toledo, Ohio.	25,952	23,499	90.5	13,080	12,151	92.9	11,300	10,086	88.6	1,286	1,085	84.4	191	173	90.6	
Washington, D. C.	44,719	38,775	86.7	24,796	21,767	87.8	6,080	5,392	88.7	905	782	86.4	12,910	10,807	83.7	
Worcester, Mass.	22,515	20,422	91.5	6,388	5,917	92.6	15,741	12,543	91.3	2,011	1,800	89.5	170	159	93.5	

## SCHOOL ATTENDANCE OF POPULATION 6 TO 20 YEARS OF AGE IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910.

[Per cent not shown where base is less than 100.]

Table 18

CITY.	ALL CLASSES.		NATIVE WHITE.						FOREIGN-BORN WHITE.						NEGRO.	
	Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.				
Alabama																
Mobile	14,097	8,083	57.3	6,756	4,453	65.9	1,114	689	61.8	198	70	35	44.4	6,027	2,853	47.3
Montgomery	10,760	5,288	49.1	4,792	2,423	50.6	377	214	56.8	70	28	26	.....	5,518	2,624	47.6
Arkansas																
Little Rock	12,016	7,134	59.4	6,760	4,280	63.3	1,238	731	59.0	103	38	36.9	3,912	2,085	53.3	
California																
Berkeley	10,050	7,466	74.3	5,222	4,139	79.3	3,932	2,823	71.8	596	341	57.2	69	43	.....	
Pasadena	6,621	4,814	72.7	4,521	3,440	76.1	1,621	1,117	68.9	288	138	47.9	159	111	69.8	
Sacramento	9,381	5,485	58.5	5,274	3,272	62.0	3,050	1,740	57.0	624	245	39.3	103	49	47.6	
San Diego	8,552	5,806	67.9	5,129	3,565	69.5	2,539	1,786	70.3	722	355	49.2	113	68	60.2	
San Jose	6,868	4,776	69.5	3,558	2,558	71.9	2,733	1,931	70.7	481	231	48.0	23	14	.....	
Colorado																
Colorado Springs	7,255	5,214	71.9	5,319	3,852	72.4	1,502	1,079	71.8	164	89	54.3	266	194	72.9	
Pueblo	10,887	7,050	64.8	6,315	4,222	66.9	3,243	2,285	70.5	990	347	35.1	331	196	59.2	
Connecticut																
Hartford	25,039	17,134	68.4	7,805	5,731	73.4	12,678	9,175	72.4	4,111	1,908	46.4	441	317	71.9	
Meriden town	9,312	6,174	66.3	2,467	1,929	74.0	5,738	3,807	66.3	909	389	42.8	53	49	.....	
Meriden city	7,851	5,223	66.5	2,160	1,680	77.0	4,792	3,203	66.8	811	351	43.3	63	29	.....	
New Britain	12,305	7,783	63.3	2,689	2,020	75.1	6,877	4,929	71.7	2,709	816	30.1	30	18	.....	
Norwich town	7,651	5,019	65.6	2,431	1,819	74.8	3,819	2,599	68.1	1,237	492	39.8	158	106	67.1	
Stamford town	7,602	4,827	63.5	2,066	1,840	69.0	3,611	2,443	67.7	1,258	506	40.2	67	38	.....	
Stamford city	6,781	4,277	63.1	2,277	1,543	67.9	5,500	2,214	67.1	1,189	482	40.5	65	38	.....	
Waterbury	20,388	13,471	66.1	5,555	3,943	71.0	11,298	8,113	71.8	3,358	1,300	38.7	175	114	65.1	
Delaware																
Wilmington	23,202	13,404	57.8	12,593	7,648	60.7	6,696	3,940	58.8	1,586	440	27.7	2,326	1,375	59.1	
Florida																
Jacksonville	14,497	7,643	52.7	5,749	3,133	54.5	907	546	60.2	259	90	34.7	7,571	3,864	51.0	
Tampa	10,678	5,598	52.4	3,324	2,017	60.7	2,739	1,690	61.7	2,300	720	31.3	2,313	1,171	50.6	
Georgia																
Augusta	11,317	5,927	52.4	5,667	3,277	57.8	390	258	66.2	76	31	.....	5,179	2,358	45.5	
Macon	11,854	6,097	51.4	6,165	3,483	56.5	262	191	72.9	81	29	.....	5,346	2,394	44.8	
Savannah	17,399	9,084	52.2	6,607	3,984	60.3	1,748	1,071	61.3	352	158	44.9	8,692	3,871	44.5	
Illinois																
Aurora	7,817	4,517	57.8	3,545	2,324	65.6	3,633	2,021	55.6	559	127	22.7	80	45	.....	
Bloomington	6,576	4,269	64.9	4,033	2,805	69.6	2,156	1,264	58.6	180	76	42.2	207	124	59.9	
Danville	7,529	4,983	66.2	5,698	3,896	68.4	1,423	854	60.0	81	33	.....	327	200	61.2	
Decatur	8,472	5,199	62.1	6,374	4,054	63.6	1,018	942	58.2	193	96	49.7	187	107	57.2	
East St. Louis	15,349	8,519	55.5	9,735	5,741	59.0	3,146	1,746	55.5	1,085	308	28.4	1,382	724	52.4	
Elgin	6,678	4,274	63.9	2,331	2,075	70.8	3,321	2,049	61.7	290	128	44.1	36	21	.....	
Joliet	9,507	5,863	61.7	3,414	2,363	69.2	4,945	3,069	62.7	1,041	335	32.0	107	68	63.6	
Peoria	16,651	10,124	60.8	10,056	6,011	62.6	5,174	3,090	59.5	484	193	39.9	336	180	53.6	
Quincy	9,727	5,729	58.9	6,730	4,223	62.7	2,545	1,277	50.2	67	22	.....	383	207	54.0	
Rockford	11,885	7,020	59.1	4,354	2,916	67.0	6,220	3,669	59.5	1,274	384	30.1	37	21	.....	
Springfield	13,578	8,094	59.4	8,413	5,189	61.7	3,790	2,119	55.9	630	302	47.9	743	452	60.8	
Indiana																
Evansville	18,985	10,628	56.0	14,256	8,204	57.5	3,034	1,496	49.3	97	25	.....	1,598	903	56.5	
Fort Wayne	17,548	10,582	60.3	11,820	7,473	63.2	5,186	2,852	55.0	407	174	42.8	125	80	64.0	
South Bend	14,679	8,114	55.3	6,256	3,895	62.3	6,573	3,493	53.1	1,700	637	37.5	126	76	60.3	
Terre Haute	15,339	9,500	61.1	12,626	7,863	62.3	2,046	1,196	58.5	211	77	36.5	656	364	55.5	
Iowa																
Cedar Rapids	8,763	5,583	63.7	5,051	3,423	67.8	3,221	1,929	59.9	450	203	45.1	41	26	.....	
Cinton	9,900	4,649	46.9	4,541	2,576	56.7	3,061	1,926	62.9	189	69	36.5	109	78	71.6	
Council Bluffs	8,163	5,344	66.6	5,267	3,637	69.1	2,560	1,671	65.3	267	87	32.6	62	39	.....	
Davenport	11,349	7,117	62.7	6,175	4,241	68.7	4,720	2,668	56.5	319	120	37.6	135	88	65.2	
Des Moines	22,300	14,633	65.6	14,830	10,069	67.9	5,924	3,788	63.9	876	378	43.2	170	398	59.4	
Dubuque	10,531	6,598	62.7	6,260	4,225	67.5	4,038	2,280	56.5	215	79	36.7	17	14	.....	
Sioux City	12,889	7,893	61.2	6,548	4,289	65.5	5,213	3,172	60.8	1,600	385	24.3	68	47	.....	
Waterloo	6,942	4,475	64.5	5,184	3,532	68.1	1,447	884	61.1	208	57	27.4	3	2	.....	
Kansas																
Kansas City	22,923	13,924	60.7	14,330	9,035	63.0	5,180	3,113	60.1	1,032	275	26.6	2,371	1,407	63.1	
Lexington	11,198	6,829	61.0	7,410	4,651	62.8	2,172	1,256	57.8	351	130	37.0	1,262	791	62.7	
Wichita	13,591	8,400	62.5	11,293	7,177	63.6	1,421	873	61.4	219	80	36.5	655	358	54.7	
Kentucky																
Covington	14,764	8,448	57.2	10,713	6,382	59.6	3,362	1,694	50.4	55	24	.....	633	348	55.0	
Lexington	8,649	5,609	64.9	5,478	3,781	68.7	409	272	66.5	61	28	.....	2,695	1,346	57.3	
Newport	8,498	4,669	54.9	5,889	3,367	57.2	2,221	1,107	49.8	234	111	47.4	154	84	54.5	
Louisiana																
Shreveport	7,626	4,186	54.9	3,030	1,936	63.9	412	279	67.7	109	45	41.3	4,074	1,926	47.3	
Maine																
Lewiston	7,725	4,269	55.3	2,142	1,444	68.4	3,716	2,239	60.3	1,853	580	30.8	14	6	.....	
Portland	13,831	9,500	68.7	6,787	4,796	70.7	5,640	4,114	72.9	1,337	543	40.6	65	46	.....	

## SCHOOL ATTENDANCE OF POPULATION 6 TO 20 YEARS OF AGE IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910—Continued.

[Per cent not shown where base is less than 100.]

Table 18—Continued.

Table 18—Continued.				NATIVE WHITE.												FOREIGN-BORN WHITE.				NEGRO.			
CITY.	ALL CLASSES.			Native parentage.						Foreign or mixed parentage.													
	Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.						
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.					
Massachusetts																							
Brookton.....	14,505	9,793	67.5	5,675	4,004	70.6	6,920	4,986	72.1	1,754	704	40.1	155	99	63.9								
Brookline town.....	5,766	4,230	73.2	2,452	2,013	82.1	2,709	2,078	76.7	583	118	20.2	21	11									
Chelsea.....	9,007	5,678	63.0	1,646	1,073	65.2	4,689	3,244	69.2	2,599	1,316	50.6	69	41									
Chicopee.....	7,630	4,738	62.0	1,199	1,568	76.5	4,232	2,999	70.9	1,727	530	30.7	3										
Everett.....	9,243	6,516	70.5	2,607	1,854	71.1	5,567	4,024	72.6	912	434	47.6	255	204	80.0								
Fitchburg.....	10,648	6,760	63.5	2,538	1,850	72.9	6,215	4,275	68.8	1,888	631	33.4	5	4									
Haverhill.....	11,201	7,569	67.6	3,526	3,217	71.1	5,123	3,720	72.6	1,456	565	38.8	95	66									
Holyoke.....	17,907	10,742	60.0	3,134	2,773	72.5	11,294	7,256	64.1	3,462	1,225	35.4	14	7									
Lawrence.....	26,754	14,063	59.8	3,592	2,636	73.4	12,906	8,628	66.9	6,976	2,772	39.7	45	27									
Lynn.....	21,328	13,781	64.6	7,271	5,080	69.9	10,348	7,171	69.3	3,509	1,417	40.4	189	112	59.3								
Malden.....	12,296	8,642	70.3	3,363	2,478	73.7	7,188	5,310	73.9	1,400	750	46.9	144	104	72.2								
New Bedford.....	15,300	9,500	62.1	4,233	2,913	68.8	14,136	9,063	64.1	7,700	2,931	37.8	650	390	60.0								
Newton.....	10,255	7,700	75.1	3,939	3,379	85.8	4,968	3,856	77.6	1,233	390	31.6	111	73	65.8								
Pittsfield.....	8,067	5,230	64.8	4,031	2,814	69.8	3,254	2,077	63.8	709	289	40.8	73	50									
Quincy.....	9,096	6,380	70.1	2,403	1,872	77.9	5,429	3,919	72.2	1,251	585	46.8	11	4									
Salem.....	11,829	7,881	66.6	3,573	2,734	76.5	6,302	4,428	70.3	1,915	696	36.3	33	19									
Somerville.....	18,993	13,923	73.3	6,639	5,086	76.6	10,611	8,039	75.8	1,675	750	44.8	67	48									
Springfield.....	22,158	15,182	68.5	8,609	6,294	73.1	10,184	7,324	71.9	3,003	1,299	43.3	353	258	73.1								
Taunton.....	8,991	5,507	61.3	3,222	2,212	68.7	4,491	2,876	64.0	1,203	370	30.8	75	49									
Waltham.....	7,309	5,092	69.7	2,526	1,917	75.9	3,991	2,839	71.1	764	315	41.2	25	20									
Michigan																							
Battle Creek.....	5,841	3,955	67.7	4,337	2,993	69.0	1,118	768	68.7	279	125	44.8	107	69	64.5								
Bay City.....	13,696	8,869	64.8	4,007	3,035	75.7	8,963	5,430	60.6	694	383	55.2	29	18									
Flint.....	8,871	4,739	53.4	5,368	3,049	56.8	2,720	1,378	50.7	677	255	37.7	106	57									
Jackson.....	7,249	4,697	64.8	4,616	3,113	67.4	2,247	1,424	63.4	316	122	38.9	70	37									
Kalamazoo.....	9,580	6,067	63.3	3,540	3,587	65.7	3,268	2,060	63.0	814	404	49.6	156	96	61.5								
Lansing.....	7,988	4,877	61.1	5,162	3,160	61.2	2,302	1,487	63.8	403	157	39.0	91	73									
Saginaw.....	13,619	8,771	64.4	5,420	3,788	69.9	7,739	4,550	61.7	758	358	52.5	61	34									
Minnesota																							
Duluth.....	20,615	13,016	63.1	3,966	2,656	67.0	13,771	9,228	67.0	2,812	1,090	38.8	60	38									
Missouri																							
Joplin.....	8,947	5,900	65.9	8,207	5,429	66.2	518	530	67.6	35	22		187	99	52.9								
St. Joseph.....	20,299	12,575	61.0	14,453	8,991	62.2	4,117	2,507	60.9	730	309	42.3	995	561	56.5								
Springfield.....	10,127	6,391	62.8	8,599	5,469	63.6	869	538	61.9	35	3		618	343	56.3								
Montana																							
Butte.....	8,761	6,187	70.6	2,775	2,069	74.6	5,269	3,784	71.8	650	294	45.2	39	27									
Nebraska																							
Lincoln.....	11,049	7,675	69.5	6,783	4,935	72.8	2,965	2,038	68.7	1,137	596	52.4	158	100	63.3								
South Omaha.....	7,879	4,659	59.1	2,833	1,840	64.5	3,978	2,419	60.8	882	308	34.9	161	91	56.5								
New Hampshire																							
Manchester.....	21,659	11,717	55.6	4,105	2,861	69.7	6,761	6,964	64.6	6,165	1,888	30.6	8	4									
Nashua.....	7,429	4,470	60.2	2,028	1,514	74.7	3,657	2,473	67.6	1,744	483	27.7											
New Jersey																							
Atlantic City.....	10,291	5,945	57.8	5,532	3,275	59.2	2,347	1,527	65.1	770	311	41.5	1,661	832	50.1								
Bayonne.....	16,857	10,969	64.7	3,800	2,584	68.0	10,011	7,049	70.4	2,916	1,193	40.9	129	82	63.6								
Camden.....	25,637	14,532	56.7	13,915	8,195	58.9	8,380	4,822	57.5	1,865	646	34.6	1,467	865	59.0								
East Orange.....	8,199	5,567	67.9	4,617	3,451	74.7	2,462	1,685	68.4	632	155	24.5	485	276	56.9								
Elizabeth.....	20,499	12,367	60.4	6,757	4,543	67.2	10,317	6,486	62.9	3,047	1,152	37.8	378	206	54.5								
Hoboken.....	20,343	12,201	60.0	5,101	3,350	65.7	11,937	7,524	63.0	3,271	1,305	39.9	33	22									
Orange.....	8,172	5,303	64.9	2,729	1,868	68.4	3,956	2,729	69.0	908	328	36.1	578	378	65.4								
Passaic.....	17,687	8,297	46.9	2,392	1,717	71.8	7,393	4,918	66.5	7,770	1,594	20.5	132	68	51.5								
Perth Amboy.....	9,503	5,694	59.8	1,582	1,096	69.3	5,639	3,826	67.8	2,242	752	33.5	40	20									
Trenton.....	26,495	16,469	61.9	10,866	7,244	66.1	11,278	7,477	66.3	3,792	1,395	37.1	486	293	60.3								
West Hoboken town.....	10,558	5,633	53.4	2,709	1,594	58.8	6,067	3,348	55.2	1,765	686	38.9	10	4									
New York																							
Amsterdam.....	8,235	4,477	54.4	2,771	1,815	65.5	3,538	2,195	62.0	1,905	433	22.8	21	14									
Auburn.....	7,882	4,800	60.9	4,083	2,590	63.4	2,897	1,685	61.5	963	235	24.7	89	61									
Binghamton.....	11,033	7,400	67.0	7,424	5,362	72.2	2,446	1,646	67.3	1,073	323	30.1	108	67	62.0								
Elmira.....	9,407	6,476	68.8	5,766	4,068	70.6	2,897	1,929	66.6	619	395	63.8	125	84	67.2								
Jamestown.....	7,904	5,068	64.1	2,438	1,733	71.1	4,271	2,868	67.2	1,167	448	38.4	27	19									
Kingston.....	7,190	4,242	59.8	4,608	2,993	63.7	1,981	1,092	55.1	323	104	32.2	178	104	58.4								
Mount Vernon.....	8,475	6,104	72.0	3,653	2,783	76.2	3,609	2,711	75.1	1,005	423	42.1	207	97	46.9								
New Rochelle.....	7,748	5,339	68.9	2,555	1,893	74.1	3,665	2,769	75.6	1,116	454	40.7	411	223	54.3								
Newburgh.....	7,470	4,274	58.0	4,177	2,539	60.8	2,650	1,542	58.2	402	124	30.8	141	69	49.0								
Niagara Falls.....	7,553	4,779	63.3	2,205	1,537	69.7	3,476	2,455	70.6	1,829	762	41.7	42	25									
Poughkeepsie.....	6,641	3,794	57.1	2,055	1,391	66.6	2,008	1,185	59.0	471	124	26.5	147	84	57.1								
Schenectady.....	17,826	11,348	63.7	7,950	5,208	65.5	7,501	5,137	68.5	2,322	970	41.8	53	33									
Troy.....	19,557	12,921	66.1	10,068	7,187	71.8	8,074	5,113	63.3	3,363	540	16.0	116	81	69.8								
Utica.....	10,244	11,190	109.4	7,789	4,948	63.5	7,829	4,913	62.5	3,519	1,278	36.3	74	51									
Watertown.....	6,396	4,294	67.1	3,284	2,294	69.9	2,231	1,592	71.4	806	297	36.8	15	11									
Yonkers.....	22,986	15,310	66.6	7,070	5,256	74.3	11,884	8,743	73.6	3,695	1,115	30.2	333	194	58.3								
North Carolina																							
Charlotte.....	10,404	5,379	51.7	6,374	3,599	56.5	174	124	71.3	54	29		3,801	1,627	42.8								
Wilmington.....	7,228	4,052	56.1	3,452	2,116	61.3	232	157	67.7	23	7		3,517	1,772	50.4								

## SCHOOL ATTENDANCE.

235

## SCHOOL ATTENDANCE OF POPULATION 6 TO 20 YEARS OF AGE IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910—Continued.

[Per cent not shown where base is less than 100.]

Table 18—Continued.

Table 18.—Continued.			NATIVE WHITE.														FOREIGN-BORN WHITE.				NEGRO.	
CITY.	ALL CLASSES.		Native parentage.						Foreign or mixed parentage.													
	Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.					
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.				
Ohio																						
Akron.....	17,402	10,189	58.6	10,341	6.333	61.2	5,382	3,198	59.4	1,514	563	37.2	165	95	57.6							
Canton.....	13,040	7,477	57.3	8,630	5,335	61.8	3,334	1,829	54.9	1,007	275	27.3	68	38								
Hamilton.....	9,765	5,814	59.5	7,369	4,504	61.1	2,068	1,137	55.0	181	78	43.1	145	94	64.8							
Lima.....	8,392	5,317	63.4	6,808	4,373	63.7	1,137	726	63.9	129	54	41.9	258	104	43.6							
Lorain.....	7,523	4,857	64.6	2,563	1,826	71.2	3,316	2,315	69.8	1,538	666	43.3	106	50	47.2							
Newark.....	6,581	4,037	61.3	5,524	3,459	62.6	785	484	61.7	187	46	24.6	85	48								
Springfield.....	12,142	7,479	61.6	8,801	5,585	63.5	1,946	1,091	56.1	136	41	30.1	1,258	761	60.5							
Youngstown.....	20,243	11,091	54.8	7,248	4,494	62.0	9,516	5,440	57.4	3,077	943	30.6	490	194	48.5							
Zanesville.....	6,988	4,156	59.5	5,806	3,475	59.9	714	437	61.2	103	35	34.0	361	209	57.9							
Oklahoma																						
Muskogee.....	6,640	3,908	58.9	3,882	2,361	60.8	254	157	61.8	26	4	15.4	2,370	1,309	55.2							
Oklahoma City.....	15,425	9,392	60.9	12,036	7,511	62.4	1,463	911	62.3	222	53	23.9	1,682	907	53.9							
Pennsylvania																						
Allentown.....	14,075	7,938	56.4	10,589	6,311	59.6	2,239	1,358	60.7	1,218	257	21.1	28	12								
Altoona.....	14,438	9,085	62.9	11,106	7,124	64.1	2,661	1,612	60.6	590	276	49.3	111	73	65.8							
Chester.....	10,440	5,822	55.8	5,592	3,285	58.7	2,931	1,656	56.5	736	211	28.7	1,180	670	56.8							
Easton.....	7,389	4,261	57.8	5,589	3,394	60.7	1,147	686	59.8	472	145	30.7	80	35								
Erie.....	18,492	10,576	57.2	8,661	5,386	62.2	8,238	4,661	56.4	1,500	488	32.5	73	41								
Harrisburg.....	15,973	10,437	65.3	12,890	8,559	66.4	1,392	985	70.8	300	269	42.7	1,061	624	58.8							
Hazleton.....	8,332	5,321	63.9	3,291	2,270	69.0	4,379	2,781	63.5	659	268	40.7	3	2								
Johnstown.....	15,594	8,536	54.7	8,712	5,282	60.6	4,540	2,604	57.4	2,300	602	26.6	80	38								
Lancaster.....	12,507	7,531	60.2	10,061	6,090	60.5	1,997	1,211	60.6	240	116	48.3	209	114	54.5							
McKeesport.....	13,012	8,158	62.7	4,905	3,331	67.9	6,250	4,081	65.3	1,623	597	36.8	232	149	64.2							
New Castle.....	9,563	5,954	62.3	5,178	3,490	67.4	2,955	2,009	68.0	1,302	388	29.8	127	67	52.8							
Norristown.....	6,740	3,751	55.6	4,408	2,395	55.9	1,556	827	53.1	518	182	35.1	263	147	55.9							
Reading.....	25,731	14,407	55.9	20,686	11,900	57.5	3,702	2,026	54.7	1,173	371	31.6	189	110	58.2							
Shenandoah borough.....	8,022	4,675	58.3	1,892	1,223	64.6	4,795	3,135	65.4	1,332	316	23.7	3	1								
Wilkes-Barre.....	20,337	12,568	61.8	8,409	5,758	68.5	9,941	6,087	61.2	1,827	605	33.1	160	118	73.8							
York.....	8,526	5,146	60.3	6,671	4,322	64.8	1,453	874	61.0	137	64	43.5	275	186	67.6							
York.....	12,260	7,363	60.1	11,019	6,651	60.4	786	496	63.5	151	53	35.1	304	160	52.6							
Rhode Island																						
Newport.....	7,855	5,882	74.6	3,167	2,442	77.1	3,808	3,011	77.2	462	188	40.7	354	238	67.2							
Pawtucket.....	14,501	8,993	62.0	3,840	2,715	70.7	8,324	5,350	64.3	2,265	879	38.8	68	47								
Warwick town.....	8,027	4,680	58.4	2,049	1,399	68.3	3,435	2,792	63.5	1,536	472	30.7	46	25								
Woonsocket.....	12,005	6,685	55.7	1,852	1,268	68.5	6,824	4,172	61.1	3,324	1,244	37.4	5	1								
South Carolina																						
Charleston.....	17,022	8,654	50.8	6,288	3,775	60.0	1,240	725	58.5	158	50	31.6	9,336	4,104	41.0							
Columbia.....	7,272	3,569	53.2	3,654	2,214	60.6	145	91	62.8	68	33	48.5	3,495	1,531	45.0							
Tennessee																						
Chattanooga.....	11,790	6,833	58.0	6,226	3,927	63.1	670	482	71.9	169	93	58.1	4,734	2,331	49.2							
Knoxville.....	10,725	5,747	53.6	8,127	4,522	55.6	430	278	64.7	69	39	56.2	2,099	908	43.3							
Texas																						
Austin.....	8,872	5,688	64.1	4,895	3,325	67.9	1,421	870	61.2	162	45	27.8	2,380	1,446	60.5							
Dallas.....	24,699	13,040	54.4	16,782	9,411	56.1	2,916	1,664	57.1	440	180	40.1	4,342	2,184	48.0							
El Paso.....	11,195	5,901	52.7	3,998	2,572	64.3	2,892	1,581	54.7	3,954	1,570	39.7	536	177	53.3							
Fort Worth.....	19,713	10,433	52.9	14,066	7,795	55.4	1,732	969	55.9	446	100	22.4	3,467	1,568	45.2							
Galveston.....	9,663	5,561	57.5	4,175	2,576	61.7	3,046	1,784	58.6	499	184	36.9	1,939	1,016	52.4							
Houston.....	21,125	10,941	51.8	10,735	5,830	54.3	3,363	1,742	51.8	578	181	31.3	6,442	3,186	49.5							
San Antonio.....	28,655	15,250	53.6	14,389	8,448	58.7	8,236	4,339	52.7	2,915	1,098	37.7	3,066	1,458	47.1							
Waco.....	8,321	4,782	58.1	5,370	3,296	61.4	892	529	59.3	127	56	44.1	1,834	898	49.0							
Utah																						
Ogden.....	7,735	5,422	70.1	4,054	2,982	73.6	3,160	2,183	69.1	464	233	50.2	27	17								
Salt Lake City.....	25,852	17,173	66.4	11,961	8,549	71.5	11,899	7,727	64.9	1,831	813	44.4	106	61	57.5							
Virginia																						
Lynchburg.....	8,801	4,630	52.6	5,592	3,130	56.3	248	177	71.4	40	17	42.3	2,620	1,336	45.8							
Norfolk.....	17,717	10,040	56.7	9,400	5,854	62.3	1,453	1,029	68.9	479	230	48.0	6,341	2,925	46.1							
Portsmouth.....	9,371	4,792	51.1	5,251	2,853	54.3	3,403	1,815	51.4	137	50	36.5	3,175	1,474	46.4							
Roanoke.....	10,517	6,129	58.3	7,505	4,575	61.0	374	222	59.4	85	32	37.8	2,552	1,390	50.9							
Washington																						
Tacoma.....	20,360	13,262	65.1	9,004	6,202	68.9	9,135	6,013	65.8	1,974	901	45.6	133	75	56.4							
West Virginia																						
Huntington.....	9,418	5,659	60.1	8,520	5,124	60.1	252	155	61.5	42	15	35.3	603	365	60.5							
Wheeling.....	11,018	6,139	55.7	7,309	4,289	58.7	3,047	1,637	53.7	459	110	24.0	203	103	50.7							
Wisconsin																						
Green Bay.....	7,680	5,120	66.7	3,785	2,781	73.5	3,707	2,250	60.7	152	65	42.8	10	4								
La Crosse.....	9,078	5,927	65.3	3,904	2,820	72.7	4,017	2,971	60.4	235	100	42.6	22	17								
Madison.....	6,578	4,004	60.9	3,799	2,791	75.2	2,508	1,630	65.0	321	157	48.9	30	19								
Oshkosh.....	9,716	6,310	64.9	3,490	2,629	75.3	5,646	3,423	60.6	530	241	43.8	26	15								
Racine.....	10,472	6,453	61.7	3,025	2,091	69.1	6,163	3,544	62.3	1,251	515	40.3	28	17								
Sheboygan.....	8,175	4,911	60.1	2,531	1,764	69.7	4,588	2,690	58.6	1,055	446	42.2	1	1								
Superior.....	10,992	7,721	70.2	2,872	2,155	75.0	6,776	4,942	72.9	1,282	589	45.9	19	10								

**COMPARATIVE SUMMARY: 1910 AND 1900.**

In comparing the results of the census of 1910 with those of the preceding census, two considerations must be borne in mind. In the first place the principal tabulations of the census of 1900 relate to persons from 5 to 20 years of age, while those of 1910 relate to persons from 6 to 20 years of age. This renders it impossible to carry the comparison between the two censuses into all the various details which have been exhibited in connection with the figures for 1910. In order, however, to permit a general comparison of the statistics of the two censuses, certain special tabulations have been made for 1910 with the same age groups as in 1900.

A further distinction between the census of 1910 and that of 1900 lies in the form in which the question was asked. In 1910 the question was whether the person enumerated had attended school at any time between September 1, 1909, and the date of enumeration, April 15, 1910. In 1900 the question was asked as to how many months the person enumerated had attended school during the year prior to the date of enumeration, June 1, 1900. The whole number of persons for whom the length of school attendance was reported was taken to be the aggregate number attending school. It is possible that the greater complexity of the question led to less complete returns at the earlier census, in which case the increased proportion of persons reported as attending school for 1910, as compared with 1900, would be due in part to greater accuracy in the returns.

**United States as a whole.**—Table 19 gives for the United States as a whole comparative figures for 1910 and 1900 for each of the main population groups, with distinction of sex.

In every group of the population given in the table without exception the proportion reported as attending school was greater in 1910 than in 1900. Of the

total population from 5 to 20 years of age, 59.2 per cent were reported at the later census as attending school, as against 50.5 per cent at the earlier census. Among the three subordinate age groups which appear in Table 19 the group 5 to 9 years shows the greatest difference between the proportions reported at the two censuses, and the group 15 to 20 years shows the smallest difference. Among the important racial classes the negroes show the largest gain during the decade in the proportion attending school. The percentages for the Chinese and Japanese also were much higher in 1910 than in 1900, but of course these races have very few representatives between the ages of 5 and 20 years.

**Divisions and states.**—Comparative figures for school attendance as reported at the censuses of 1910 and 1900 for the total population from 5 to 20 years of age, with percentages for the minor age groups, are given, by divisions and states, in Table 20, page 238.

In every division and state and for each of the age groups, except for the age group 15 to 20 years in Nevada, the percentage of children reported as attending school was greater in 1910 than in 1900. Moreover, in nearly every case the greatest gain appears to be in the proportion for the age group 5 to 9 years. The gains in the percentages shown for the total population from 5 to 20 years of age, and especially for the age group from 5 to 9 years, are particularly noticeable in the three southern divisions, and point at the same time to increased school accommodations and to a growing habit of sending children to school at an earlier age. It may be noted specifically that in West Virginia and the District of Columbia alone in the southern divisions was the proportion of the population from 5 to 20 years of age reported as attending school in 1900 as much as one-half. In 1910, on the other hand, there were only five southern states in which the proportion was less than one-half.



## COMPARATIVE STATEMENT OF SCHOOL ATTENDANCE, FOR THE UNITED STATES: 1910 AND 1900.

[Per cent not shown where base is less than 100.]

Table 19

CLASS OF POPULATION.	TOTAL NUMBER OF PERSONS ATTENDING SCHOOL.		PERSONS 5 TO 20 YEARS OF AGE.						PERSONS 5 TO 9 YEARS OF AGE.					
			1910			1900			1910			1900		
			Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.
	1910	1900	Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.	
Total.....	18,009,891	13,367,147	29,785,997	17,648,877	59.2	26,041,940	13,160,900	50.5	9,760,632	6,024,993	61.7	8,674,123	4,268,302	49.1
Male.....	9,037,655	6,668,823	14,952,530	8,833,533	59.1	13,048,537	6,544,412	50.2	4,924,123	3,028,267	61.5	4,479,398	2,154,307	48.1
Female.....	8,972,236	6,698,324	14,833,467	8,815,344	59.4	12,993,403	6,616,488	50.9	4,836,509	2,996,726	62.0	4,194,727	2,114,995	48.1
White.....	16,279,292	12,231,004	25,992,263	15,945,412	61.3	22,441,947	12,039,594	53.6	8,475,173	5,495,043	64.8	7,638,326	3,971,175	52.0
Male.....	8,229,547	6,157,874	13,052,081	8,031,599	61.2	11,721,583	6,021,453	51.4	4,285,369	2,771,424	64.7	3,862,349	2,009,800	52.0
Female.....	8,058,445	6,073,130	12,940,212	7,913,813	61.3	11,170,364	6,018,141	53.9	4,189,807	2,723,619	65.0	3,775,977	1,961,375	51.9
Negro.....	1,670,650	1,096,734	3,677,960	1,644,759	44.7	3,499,187	1,083,516	31.0	1,246,553	514,014	41.2	1,202,758	284,784	23.7
Male.....	783,869	509,984	1,797,688	771,587	42.9	1,721,758	503,099	29.2	619,175	248,936	40.2	600,410	139,201	23.2
Female.....	886,781	586,750	1,880,272	873,172	46.4	1,777,429	580,417	32.7	627,378	265,078	42.3	602,348	145,583	24.2
Indian.....	53,458	37,537	102,163	51,877	50.8	89,632	36,243	40.4	36,541	14,818	40.6	31,937	9,851	30.8
Chinese.....	3,887	1,349	7,286	3,314	45.5	4,927	1,250	25.4	1,264	555	44.1	1,024	452	44.1
Japanese.....	2,512	523	6,039	1,459	24.2	6,247	297	4.8	1,088	458	42.1	78	40	51.3
All other.....	92		356	56	15.7				13	8				
Native white.....	15,627,786	11,849,815	24,403,180	15,330,814	62.8	21,248,914	11,668,616	54.9	8,176,664	5,291,576	64.7	7,491,134	3,885,586	51.9
Male.....	7,892,607	5,945,800	12,287,050	7,715,983	62.9	10,687,135	5,835,588	54.6	4,124,714	2,668,539	64.5	3,788,622	1,966,766	51.9
Female.....	7,735,179	5,906,515	12,116,130	7,614,831	62.7	10,561,779	5,833,028	55.2	4,051,950	2,623,046	64.9	3,702,512	1,918,814	51.8
Native parentage.....	11,110,583	8,244,687	17,246,081	10,822,753	62.8	14,876,715	8,112,850	54.5	5,861,015	3,669,519	62.6	5,174,220	2,516,045	48.6
Male.....	5,611,901	4,141,997	8,691,250	5,488,627	63.2	7,506,903	4,061,193	54.1	2,969,239	1,851,934	62.4	2,625,791	1,275,458	48.6
Female.....	5,498,682	4,102,690	8,554,831	5,344,126	61.2	7,369,812	4,051,657	55.0	2,891,781	1,817,585	62.9	2,548,429	1,240,587	48.7
Foreign or mixed parentage.....	4,517,203	3,605,128	7,157,099	4,438,061	62.0	6,372,199	3,555,766	55.8	2,315,649	1,622,057	70.0	2,316,914	1,399,533	59.1
Male.....	2,270,706	1,801,393	3,575,800	2,227,356	62.3	3,180,232	1,772,345	55.7	1,165,484	816,596	70.1	1,164,831	691,308	59.3
Female.....	2,246,497	1,803,825	3,581,299	2,210,705	61.7	3,191,967	1,783,421	55.9	1,150,165	805,461	70.0	1,152,083	678,227	58.9
Foreign-born white.....	651,506	381,189	1,589,113	614,598	38.7	1,193,033	370,978	31.1	298,599	203,467	68.2	147,192	85,595	58.2
Male.....	338,249	194,574	825,031	315,616	38.3	584,448	187,915	32.2	150,652	102,894	68.3	73,727	43,054	58.4
Female.....	313,256	186,615	764,082	298,982	39.1	608,585	183,063	30.1	147,857	100,573	68.0	73,465	42,561	57.9

Table 19—Continued.

CLASS OF POPULATION.	PERSONS 10 TO 14 YEARS OF AGE.						PERSONS 15 TO 20 YEARS OF AGE.					
	1910			1900			1910			1900		
	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.	Attending school.		Total number.
	Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.	
Total.....	9,107,140	8,628,662	88.2	8,060,234	6,451,394	79.8	10,918,225	3,593,222	32.9	9,087,593	2,443,204	26.9
Male.....	4,601,753	4,038,106	87.7	4,083,041	3,216,585	78.9	5,426,694	1,769,161	32.6	4,488,160	1,174,520	26.2
Female.....	4,505,387	3,992,557	88.6	3,977,193	3,235,809	81.0	5,491,571	1,824,061	33.2	4,601,433	1,268,684	27.6
White.....	7,918,408	7,212,607	91.1	6,959,238	5,846,411	84.0	9,598,712	3,237,762	33.7	7,844,383	2,222,008	28.3
Male.....	4,006,104	3,643,988	91.0	3,519,303	2,928,743	83.2	4,800,611	1,616,187	33.7	3,889,931	1,082,910	27.8
Female.....	3,912,304	3,568,619	91.2	3,439,935	2,917,668	84.8	4,798,101	1,621,575	33.8	3,954,452	1,139,098	28.8
Negro.....	1,155,266	791,995	68.6	1,091,990	357,560	53.8	1,276,041	358,599	28.1	1,204,459	211,172	17.5
Male.....	578,074	379,486	65.6	548,642	277,832	50.6	600,439	143,165	23.8	572,706	86,066	15.0
Female.....	577,192	412,509	71.5	543,348	309,728	57.0	675,602	195,585	28.9	631,753	125,106	19.8
Indian.....	31,393	22,446	71.5	27,979	16,885	60.3	34,229	14,613	42.7	29,716	9,507	32.0
Chinese.....	1,575	1,221	77.5	845	479	56.7	4,447	1,438	32.3	3,058	319	10.4
Japanese.....	477	375	78.6	182	59	32.4	4,474	626	14.0	5,987	198	3.3
All other.....	21	18					322	33	10.2			
Native white.....	7,560,078	6,904,115	91.3	6,647,673	5,618,931	84.5	8,666,438	3,135,123	36.2	7,110,107	2,164,105	30.4
Male.....	3,824,801	3,486,397	91.2	3,361,671	2,813,012	83.7	4,307,535	1,561,056	36.2	3,536,842	1,033,760	29.8
Female.....	3,735,277	3,417,718	91.5	3,286,002	2,805,919	85.4	4,358,903	1,574,067	36.1	3,573,265	1,104,345	31.1
Native parentage.....	5,324,283	4,827,471	90.7	4,660,390	3,904,900	83.8	6,060,783	2,385,763	39.5	5,042,105	1,691,905	33.6
Male.....	2,600,656	2,439,554	90.3	2,364,797	1,856,336	82.7	3,021,364	1,197,139	39.6	2,518,315	829,399	32.9
Female.....	2,623,627	2,387,917	91.0	2,295,593	1,948,564	84.9	3,039,419	1,198,624	39.4	2,523,790	862,506	34.2
Foreign or mixed parentage.....	2,235,785	2,076,644	92.9	1,987,283	1,714,031	86.2	2,606,655	739,360	28.4	2,068,002	472,200	22.8
Male.....	1,124,145	1,046,843	93.1	966,874	856,676	88.9	1,296,171	383,917	29.3	1,018,527	224,381	22.0
Female.....	1,111,650	1,029,801	92.6	990,409	857,355	86.6	1,319,484	375,443	28.5	1,049,475	247,819	23.6
Foreign-born white.....	358,390	308,492	86.1	311,565	227,450	73.0	932,274	102,639	11.0	734,276	57,903	7.9
Male.....	181,303	157,591	86.9	157,632	115,731	73.4	493,076	55,131	11.2	333,089	29,150	8.3
Female.....	177,027	150,901	85.2	153,933	111,749	72.6	439,198	47,508	10.8	381,187	28,753	7.5

## COMPARATIVE STATISTICS OF SCHOOL ATTENDANCE, BY DIVISIONS AND STATES: 1910 AND 1900.

Table 20

DIVISION AND STATE.	PERSONS 5 TO 20 YEARS OF AGE.				PERSONS UNDER 5 AND OVER 20 YEARS OF AGE ATTENDING SCHOOL.		PER CENT OF POPULATION ATTENDING SCHOOL.							
	Total number.		Number attending school.		1910	1900	5 to 20 years of age.		5 to 9 years of age.		10 to 14 years of age.		15 to 20 years of age.	
	1910	1900	1910	1900			1910	1900	1910	1900	1910	1900	1910	1900
<b>United States</b> .....	<b>29,785,997</b>	<b>26,041,940</b>	<b>17,646,877</b>	<b>13,160,900</b>	<b>363,014</b>	<b>206,247</b>	<b>59.2</b>	<b>50.5</b>	<b>61.7</b>	<b>48.1</b>	<b>88.2</b>	<b>78.8</b>	<b>32.9</b>	<b>26.9</b>
<b>GEOGRAPHIC DIVISIONS:</b>														
New England.....	1,848,762	1,567,519	1,193,359	901,924	28,869	25,237	64.5	57.5	79.5	66.5	94.1	90.0	29.0	24.1
Middle Atlantic.....	5,737,064	4,740,858	3,456,047	2,528,223	74,720	38,894	60.3	53.3	70.4	59.3	92.9	85.7	26.2	20.2
East North Central.....	5,094,728	5,293,105	3,502,178	3,007,220	73,825	47,628	62.5	56.8	70.1	58.3	93.8	88.1	30.9	27.7
West North Central.....	3,827,601	3,600,016	2,475,434	2,154,345	55,157	32,852	64.7	58.9	67.7	57.0	93.6	88.3	38.3	33.9
South Atlantic.....	4,450,130	3,909,116	2,377,094	1,616,355	41,400	21,623	53.3	40.4	49.9	32.6	78.7	65.6	33.6	25.4
East South Central.....	3,116,180	2,944,696	1,701,020	1,209,673	29,171	15,906	54.6	41.1	50.0	31.3	79.0	65.8	37.2	28.3
West South Central.....	3,299,750	2,590,057	1,765,344	1,019,020	29,756	10,965	53.5	39.3	46.5	25.4	80.5	68.3	36.4	26.7
Mountain.....	799,419	535,358	494,287	296,627	10,904	4,400	61.8	55.4	59.3	49.2	90.2	85.2	40.5	34.8
Pacific.....	1,033,393	711,213	681,564	427,513	19,205	8,622	62.3	60.1	63.4	58.7	94.1	91.8	38.2	34.7
<b>NEW ENGLAND:</b>														
Maine.....	209,063	159,153	137,671	117,016	3,160	2,900	65.9	58.8	76.0	61.9	92.4	89.5	35.2	31.5
New Hampshire.....	118,951	110,895	76,058	61,022	1,492	1,271	63.9	55.0	76.8	62.6	94.5	87.5	29.3	23.6
Vermont.....	101,396	98,614	69,348	58,879	1,183	1,203	68.4	59.7	77.9	64.5	96.6	92.1	36.2	28.8
Massachusetts.....	941,376	777,110	614,105	454,419	16,014	13,913	65.2	58.5	81.2	68.5	94.5	91.2	29.2	24.0
Rhode Island.....	158,287	124,046	93,674	64,091	2,568	1,353	59.2	51.9	74.4	64.5	91.6	84.0	23.2	10.5
Connecticut.....	319,689	257,101	202,503	145,897	4,452	4,337	63.3	56.7	80.9	67.2	94.3	89.9	24.9	20.4
<b>MIDDLE ATLANTIC:</b>														
New York.....	2,620,393	2,136,764	1,611,496	1,152,712	39,367	20,261	61.5	53.9	73.2	60.8	94.4	88.1	27.3	19.4
New Jersey.....	758,864	572,923	459,147	305,750	10,125	3,488	60.0	53.4	74.8	62.5	91.8	84.2	23.7	17.7
Pennsylvania.....	2,357,807	2,031,171	1,386,004	1,069,761	25,234	15,145	58.8	52.7	66.0	56.9	91.6	83.7	25.6	21.8
<b>EAST NORTH CENTRAL:</b>														
Ohio.....	1,405,040	1,338,345	881,138	779,999	16,950	10,723	62.7	58.3	69.7	59.0	94.3	91.4	32.2	29.5
Indiana.....	1,823,920	1,589,915	1,041,227	866,281	11,430	6,130	62.3	57.6	66.8	55.3	93.5	90.5	32.8	31.1
Illinois.....	1,729,929	1,589,915	1,041,227	866,281	23,119	13,544	60.2	54.5	67.8	56.9	92.7	83.2	28.3	26.3
Michigan.....	854,710	790,275	558,126	456,148	10,800	8,578	65.3	57.7	73.9	60.4	95.5	89.8	33.7	26.6
Wisconsin.....	782,789	730,655	503,375	418,971	11,526	8,653	64.3	57.3	73.4	61.3	93.9	88.4	29.6	24.1
<b>WEST NORTH CENTRAL:</b>														
Minnesota.....	693,788	612,990	452,077	352,053	10,790	5,756	65.2	57.4	67.9	56.9	95.6	89.5	37.7	27.8
Iowa.....	721,892	767,870	487,453	483,909	11,819	8,709	67.6	63.0	76.9	67.2	94.0	91.0	38.0	34.4
Missouri.....	1,063,618	1,105,258	653,590	597,367	12,403	6,744	61.4	54.0	63.4	50.3	91.6	83.4	35.4	31.3
North Dakota.....	198,361	112,789	110,066	58,138	2,643	710	60.0	51.5	57.6	43.2	90.0	84.3	36.5	28.4
South Dakota.....	198,023	147,165	124,217	88,514	2,686	1,807	62.7	60.1	60.3	51.6	92.0	90.5	40.3	39.4
Nebraska.....	400,452	386,984	268,593	243,907	6,236	4,669	63.1	73.5	61.3	61.4	94.9	91.8	39.8	38.4
Kansas.....	551,967	527,560	369,579	330,397	8,520	4,957	67.0	62.6	66.6	57.8	95.2	91.1	44.2	41.5
<b>SOUTH ATLANTIC:</b>														
Delaware.....	61,948	59,635	35,703	28,466	627	287	57.6	47.7	60.3	45.9	88.4	78.8	40.1	22.2
Maryland.....	415,965	403,026	230,123	183,399	4,505	2,451	55.3	45.5	60.8	45.1	85.7	76.6	24.8	18.6
District of Columbia.....	84,491	77,291	52,124	39,027	2,564	877	61.7	50.5	67.4	44.9	93.2	87.5	35.0	27.5
Virginia.....	750,782	704,771	395,987	297,304	5,709	4,026	52.7	42.2	44.2	33.1	80.5	68.5	35.6	27.3
West Virginia.....	428,683	356,471	203,150	184,294	4,261	2,116	61.4	51.7	59.5	41.7	90.9	82.1	37.4	34.3
North Carolina.....	847,886	733,826	468,528	313,063	8,668	4,626	57.4	41.5	50.9	30.2	79.8	63.3	43.2	33.1
South Carolina.....	607,937	560,773	295,288	174,681	5,071	2,847	48.6	31.2	42.9	22.6	71.9	52.1	32.6	20.8
Georgia.....	998,715	885,725	487,408	310,214	7,373	3,374	48.8	35.0	47.8	29.3	72.2	58.2	27.9	19.3
Florida.....	262,783	197,600	130,733	85,907	2,622	1,019	49.7	43.5	47.6	34.4	73.8	71.1	30.8	27.6
<b>EAST SOUTH CENTRAL:</b>														
Kentucky.....	812,192	798,027	465,705	381,434	7,776	3,869	57.3	47.8	54.1	38.2	84.4	76.8	36.5	30.7
Tennessee.....	795,122	780,421	443,411	336,072	7,779	4,845	55.8	43.1	50.0	33.1	81.7	68.4	38.9	30.1
Alabama.....	811,307	733,222	389,969	236,922	6,876	3,511	48.1	32.3	40.2	20.4	71.7	54.5	34.4	24.2
Mississippi.....	697,559	638,026	401,935	255,245	6,740	3,750	57.6	40.3	56.9	33.5	78.2	61.5	39.0	27.8
<b>WEST SOUTH CENTRAL:</b>														
Arkansas.....	595,930	529,375	327,911	227,374	5,884	2,806	55.0	43.0	50.5	32.0	77.8	66.3	39.8	32.5
Louisiana.....	622,046	538,267	252,764	152,192	4,263	1,527	60.4	28.3	38.1	21.4	62.5	50.5	23.0	14.5
Oklahoma.....	611,791	306,781	388,319	129,015	5,882	1,527	63.5	42.1	58.0	31.6	91.2	66.9	44.4	39.3
Texas.....	1,469,983	1,215,634	796,350	510,439	13,727	5,165	54.2	42.0	43.6	22.6	84.8	77.5	37.2	28.9
<b>MOUNTAIN:</b>														
Montana.....	100,972	65,871	61,468	38,177	1,287	433	60.9	58.0	61.0	55.5	90.3	89.9	37.2	32.3
Idaho.....	164,049	54,964	67,291	32,711	1,312	376	64.4	59.5	56.4	50.3	93.2	90.5	47.2	40.3
Wyoming.....	38,593	27,960	23,270	14,740	475	177	60.3	53.6	62.4	51.3	91.4	86.7	35.5	29.2
Colorado.....	231,380	160,531	149,709	95,075	3,633	1,653	64.7	59.2	65.6	55.0	93.4	89.0	40.7	36.9
New Mexico.....	114,227	69,712	65,808	28,336	909	336	57.6	40.6	53.3	31.7	81.7	65.6	40.7	26.1
Arizona.....	61,634	38,868	30,761	17,136	585	359	49.9	44.1	45.9	40.1	77.6	68.9	30.8	26.4
Utah.....	130,869	106,513	85,662	64,017	2,454	908	65.4	60.1	60.5	50.6	95.0	92.2	41.1	39.9
Nevada.....	17,326	11,399	10,308	6,435	249	218	59.5	56.5	62.8	52.4	90.0	85.7	34.3	37.2
<b>PACIFIC:</b>														
Washington.....	314,213	158,245	196,781	99,318	4,914	1,413	62.6	62.8	61.3	60.9	94.5	93.0	39.5	37.5
Oregon.....	187,043	132,887	118,005	82,237	3,404	1,274	63.1	61.9	61.2	57.9	94.2	92.7	41.2	38.9
California.....	592,107	420,081	366,778	245,958	10,888	5,935	61.9	58.6	65.3	58.1	93.8	91.1	36.6	32.5

\* Includes population of Indian Territory for 1900.

## ILLITERACY.

## UNITED STATES AS A WHOLE.

The population schedule for the census of 1910 contained two inquiries relating to illiteracy, namely, as to whether the person enumerated was able to read and as to whether he or she was able to write. Answers to these questions were required only in the case of persons 10 years of age and over. The statistics, unless otherwise more particularly limited, relate to this class of the population. The Bureau of the Census classifies as illiterate any person 10 years of age or over who is unable to write, regardless of ability to read. A considerable number of persons were reported as able to read, though not able to write, but the statistics in regard to this class have not seemed of sufficient significance to call for a separate presentation in a summary of illiteracy statistics.

**Number of illiterates.**—The whole number of persons 10 years of age and over enumerated at the census of 1910 who were reported as unable to write was 5,516,163. The distribution of this number by color or race, nativity, and parentage, together with corresponding figures for the three previous censuses, is given in Table 21.

CLASS OF POPULATION.	ILLITERATE POPULATION 10 YEARS OF AGE AND OVER.				
	1910		1900	1890	1880
	Number.	Per cent of total.			
<b>Total.....</b>	<b>5,516,163</b>	<b>100.0</b>	<b>6,180,069</b>	<b>6,324,702</b>	<b>6,239,958</b>
White.....	3,184,633	57.7	3,200,746	3,212,574	3,019,080
Native.....	1,534,272	27.8	1,913,011	2,065,003	2,255,460
Native parentage.....	1,378,884	25.0	1,734,764	1,890,723	.....
Foreign or mixed par.....	155,388	2.8	178,847	174,280	.....
Foreign born.....	1,650,361	29.9	1,287,135	1,147,571	763,620
Negro.....	2,227,731	40.4	2,853,194	3,042,668	.....
Indian.....	85,445	1.5	96,347	.....	.....
Chinese.....	10,891	0.2	25,396	69,469	3,220,878
Japanese.....	6,213	0.1	4,386	.....	.....
All other.....	1,250	(?)	.....	.....	.....

<sup>1</sup> Exclusive of illiterate persons in Indian Territory and on Indian reservations, areas specially enumerated in 1890, but for which illiteracy statistics are not available.

<sup>2</sup> Less than one-tenth of 1 per cent.

The whites, who in 1910 constituted 89.3 per cent of the total population 10 years of age and over, contributed 57.7 per cent of the illiterates, while the negroes, constituting 10.2 per cent of the total population 10 years of age and over, contributed 40.4 per cent of the illiterates. Among the remaining classes—the Indians, Chinese, Japanese, and all others—the total number of illiterates was 103,799, or 1.9 per cent of all illiterates reported.

The number of illiterates reported in 1910 was considerably less than the number reported at any of the three preceding censuses covered by Table 21. Despite the fact of continuous growth in the population of the country, there was comparatively little difference in the number of illiterates reported at the censuses of 1880, 1890, and 1900, the largest number being reported in 1890. From 1890 to 1910 the number of illiterate whites gradually decreased, while the number

of illiterate native whites has shown a decrease at each succeeding census since 1880, the decrease being most marked between 1900 and 1910. On the other hand, the number of illiterate foreign-born whites steadily increased, rising from 763,620 in 1880 to 1,650,361 in 1910.\* The number of illiterates among the negroes was decidedly smaller in 1910 than in 1890, the first census year at which illiterate negroes were clearly distinguished from all other classes of the population.

**Percentage of illiteracy.**—The significance of the figures relating to illiteracy can best be seen by a comparison of the number of illiterates with the corresponding total population. Table 22 shows the total population 10 years of age and over, and the number and percentage illiterate, by color or race, nativity, and parentage.

CLASS OF POPULATION.	POPULATION 10 YEARS OF AGE AND OVER: 1910		
	Total.	Illiterate.	
		Number.	Per cent.
<b>Total.....</b>	<b>71,550,270</b>	<b>5,516,163</b>	<b>7.7</b>
White.....	63,933,870	3,184,633	5.0
Native.....	30,989,341	1,534,272	3.0
Native parentage.....	37,081,278	1,378,884	3.7
Foreign or mixed parentage.....	13,908,063	155,388	1.1
Foreign born.....	12,944,529	1,650,361	12.7
Negro.....	7,317,922	2,227,731	30.4
Indian.....	188,758	85,445	45.3
Chinese.....	68,924	10,891	15.8
Japanese.....	67,661	6,213	9.2
All other.....	3,135	1,250	39.9

Of the entire population 10 years of age and over in 1910, 7.7 per cent were illiterate. Of the whites 5 per cent were illiterate and of the negroes 30.4 per cent. Among the foreign-born whites 12.7 per cent were illiterate as compared with 3 per cent among the native whites. The lowest percentage of illiteracy, 1.1, was among the native whites of foreign or mixed parentage, while among the native whites of native parentage the percentage was 3.7.

The changes in the percentage of illiteracy in the United States since 1880 are shown for the several classes of the population in Table 23.

CLASS OF POPULATION.	PERCENTAGE OF ILLITERATES IN POPULATION 10 YEARS OF AGE AND OVER.			
	1910	1900	1890	1880
<b>Total.....</b>	<b>7.7</b>	<b>10.7</b>	<b>13.3</b>	<b>17.0</b>
White.....	5.0	6.2	7.7	9.4
Native.....	3.0	4.6	6.2	8.7
Native parentage.....	3.7	5.7	7.5	.....
Foreign or mixed parentage.....	1.1	1.6	2.2	.....
Foreign born.....	12.7	12.9	13.1	12.0
Negro.....	30.4	44.5	57.1	.....
Indian.....	45.3	56.2	.....	70.0
Chinese.....	15.8	29.0	45.2	.....
Japanese.....	9.2	18.2	.....	.....
All other.....	39.9	.....	.....	.....

The percentage of illiteracy for the population as a whole declined from 17 in 1880 to 7.7 in 1910. With the exception of the foreign-born whites, each class of the population shared in this decline, which was gradual and uninterrupted from census to census. In the native white group the percentage of illiteracy in 1910 was less than one-half as high as in 1880, and the same is evidently true of the negroes, who constituted much the larger part of the total non-white population for which the percentage is shown for 1880. The percentage of illiteracy among the foreign-born whites increased somewhat between 1880 and 1890, but decreased slightly during the following decades.

**Illiteracy by sex.**—Table 24 gives for 1910 a statement of illiteracy by sex and by color or race, nativity, and parentage.

CLASS OF POPULATION.	POPULATION 10 YEARS OF AGE AND OVER: 1910					
	Male.			Female.		
	Total.	Illiterate.		Total.	Illiterate.	
		Number.	Per cent.		Number.	Per cent.
Total.....	37,027,553	2,914,950	7.6	34,552,712	2,701,213	7.8
White.....	33,164,229	1,662,505	5.0	30,769,641	1,522,128	4.9
Native.....	25,843,033	796,055	3.1	25,146,308	738,217	2.9
Native parentage.....	18,933,751	718,926	3.8	18,147,827	662,958	3.7
Foreign or mixed parentage.....	6,909,282	80,129	1.2	6,998,781	75,259	1.1
Foreign born.....	7,321,196	866,450	11.8	5,623,333	783,911	13.9
Negro.....	3,637,386	1,096,000	30.1	3,680,336	1,131,731	30.7
Indian.....	96,582	49,104	41.5	92,170	45,341	49.2
Chinese.....	65,479	9,849	15.0	3,445	1,042	30.3
Japanese.....	60,809	5,247	8.6	6,852	866	14.1
All other.....	3,073	1,245	40.5	62	5	( <sup>1</sup> )

<sup>1</sup> Per cent not shown where base is less than 100.

In the total population 10 years of age and over the percentage of illiteracy for females was slightly higher than that for males. The percentage for females was greater than that for males among the negroes, Indians, Chinese, and Japanese, the difference being especially marked in the case of the last three classes named. Among the whites the percentage of illiteracy was slightly greater for males than for females. Figures for the component elements of the white group show, however, that among the native born, whether of native or of foreign or mixed parentage, illiteracy was less frequent among females, while among the foreign born the contrary was the case.

**Illiteracy by age periods.**—Table 27 on the next page shows the total population in the various age groups, with the number and percentage illiterate, classified by sex and by color or race, nativity, and parentage. Table 25 reproduces the more important percentages shown in Table 27.

While for the entire population 10 years of age and over the percentage of illiteracy was 7.7, it will be noted that in the age group 10 to 14 years only 4.1 per cent were illiterate. Each succeeding age group shows

a greater proportion of illiterates, but not until the age group 35 to 44 years is reached does the percentage of illiteracy for a single group become as large as the average for all ages; in the final age group, 65 years and over, however, the proportion of illiteracy was almost double the average for the total population 10 years of age and over. These figures reflect in part the educational conditions under which successive generations have grown up. A particular interest attaches to the figures for the younger groups, inasmuch as they indicate in some degree the efficiency of our present educational system. As in the population as a whole, so in each of its main classes except the foreign-born whites, the proportion of illiteracy is larger in each succeeding age group. The maximum percentage of illiteracy for the foreign-born whites, 15.3, is shown for the age group 20 to 24 years, but in each succeeding age group except the last—65 years and over—the proportion of illiterates for this class was smaller than in the preceding group. The fact that immigration in recent years has been drawn more largely than formerly from countries with a high degree of illiteracy probably accounts for this condition.

Table 25	PERCENTAGE OF ILLITERATES IN POPULATION 10 YEARS OF AGE AND OVER: 1910							
AGE PERIOD.	All classes.	White.					Negro.	
		Total.	Native.			Foreign born.		
			Total.	Native parentage.	Foreign or mixed parentage.			
10 years and over.....	7.7	5.0	3.0	3.7	1.1	12.7	30.4	
10 to 14 years.....	4.1	1.8	1.7	2.2	0.6	3.5	18.9	
15 to 19 years.....	4.9	2.8	1.9	2.4	0.8	12.8	20.3	
20 to 24 years.....	6.9	4.6	2.3	2.8	0.9	15.3	23.9	
25 to 34 years.....	7.3	5.2	2.4	3.0	0.9	14.4	24.6	
35 to 44 years.....	8.1	5.4	3.0	3.8	1.1	12.3	32.3	
45 to 64 years.....	10.7	6.7	5.0	6.0	1.9	11.1	52.7	
65 years and over.....	14.5	9.4	7.3	7.6	4.7	13.8	74.5	

**Illiteracy in the urban and the rural population.**—The proportion of illiteracy is higher in the rural than in the urban population. Table 26 shows the percentage of illiteracy for the urban and the rural population in 1910, classified by color or race, nativity, and parentage. (For absolute numbers see Table 32 on a subsequent page.)

CLASS OF POPULATION.	PERCENTAGE OF ILLITERATES IN POPULATION 10 YEARS OF AGE AND OVER: 1910.		
	Total.	Urban.	Rural.
	7.7	5.1	10.1
Total.....			
White.....	5.0	4.2	5.8
Native.....	3.0	0.8	4.8
Native parentage.....	3.7	0.9	5.4
Foreign or mixed parentage.....	1.1	0.7	1.9
Foreign born.....	12.7	12.6	13.2
Negro.....	30.4	17.6	36.1
Indian, Chinese, Japanese, and all other.....	31.6	11.0	40.0

# ILLITERACY.

241

## ILLITERATES IN THE POPULATION 10 YEARS OF AGE AND OVER, FOR THE UNITED STATES: 1910 AND 1900.

[Per cent not shown where base is less than 100.]

CLASS OF POPULATION.	POPULATION 10 YEARS OF AGE AND OVER: 1910 <sup>1</sup>			POPULATION 10 YEARS OF AGE AND OVER: 1900 <sup>1</sup>			PERSONS 10 TO 14 YEARS OF AGE: 1910		
	Total.	Illiterate.		Total.	Illiterate.		Total.	Illiterate.	
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.
<b>Total population</b> .....	<b>71,580,270</b>	<b>5,518,163</b>	<b>7.7</b>	<b>57,949,824</b>	<b>6,180,089</b>	<b>10.7</b>	<b>9,107,140</b>	<b>370,136</b>	<b>4.1</b>
Male.....	37,027,558	2,814,350	7.6	28,703,440	3,011,224	10.1	4,061,753	211,763	4.6
Female.....	34,552,712	2,701,213	7.8	28,246,384	3,168,865	11.2	4,505,387	158,373	3.5
White.....	63,933,870	3,184,633	5.0	51,250,918	3,200,746	6.2	7,918,408	144,675	1.8
Male.....	33,164,229	1,662,505	5.0	26,327,931	1,567,153	6.0	4,006,104	82,569	2.1
Female.....	30,769,641	1,522,128	4.9	24,922,987	1,633,593	6.6	3,912,304	62,106	1.6
Negro.....	7,317,922	2,227,731	30.4	6,415,581	2,833,194	44.5	1,155,266	218,555	18.9
Male.....	3,637,386	1,096,000	30.1	3,181,650	1,371,432	43.1	578,074	125,616	21.7
Female.....	3,680,536	1,131,731	30.7	3,233,931	1,461,762	45.8	577,192	92,939	16.1
Indian.....	188,758	83,445	45.3	171,552	96,347	56.2	31,393	6,798	21.7
Male.....	40,104	19,585	49.5	86,504	45,376	52.5	16,199	3,523	21.7
Female.....	92,176	43,341	49.2	85,048	50,971	59.9	15,194	3,275	21.6
Chinese.....	68,924	10,891	15.8	87,682	25,396	29.0	1,575	87	5.5
Male.....	65,479	9,849	15.0	84,141	23,052	27.4	1,085	44	4.1
Female.....	3,445	1,042	30.2	3,541	2,344	66.2	490	43	8.8
Japanese.....	67,661	6,213	9.2	24,091	4,386	18.2	477	20	4.2
Male.....	60,809	5,247	8.6	23,214	4,211	18.1	273	10	3.7
Female.....	6,852	966	14.1	877	175	20.0	204	10	4.9
Native white.....	50,989,341	1,534,272	3.0	41,236,662	1,913,611	4.6	7,560,078	131,991	1.7
Male.....	25,843,033	796,655	3.1	20,912,940	955,517	4.6	3,824,801	76,539	2.0
Female.....	25,146,308	738,217	2.9	20,323,722	958,094	4.7	3,735,277	55,452	1.5
Native parentage.....	37,061,273	1,378,884	3.7	30,310,261	1,734,764	5.7	5,324,283	117,973	2.2
Male.....	18,933,751	715,926	3.8	15,452,855	862,175	5.6	2,700,656	69,087	2.6
Female.....	18,147,522	662,958	3.7	14,857,406	872,589	5.9	2,623,627	48,886	1.9
Foreign or mixed parentage.....	13,906,063	155,358	1.1	10,926,401	178,847	1.6	2,235,795	14,015	0.6
Male.....	6,909,282	80,129	1.2	5,460,085	93,342	1.7	1,124,145	7,272	0.6
Female.....	6,996,781	75,229	1.1	5,466,316	85,505	1.6	1,111,650	6,746	0.6
Foreign-born white.....	12,944,529	1,650,361	12.7	10,014,256	1,287,135	12.9	358,330	12,634	3.5
Male.....	7,321,196	866,450	11.8	5,414,991	611,636	11.3	181,303	6,210	3.4
Female.....	5,623,333	783,911	13.9	4,599,265	675,499	14.7	177,027	6,424	3.7

**Table 27—Continued.**

CLASS OF POPULATION.	PERSONS 15 TO 19 YEARS OF AGE: 1910			PERSONS 20 TO 24 YEARS OF AGE: 1910			PERSONS 25 TO 34 YEARS OF AGE: 1910		
	Total.	Illiterate.		Total.	Illiterate.		Total.	Illiterate.	
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.
<b>Total population</b> .....	<b>9,063,603</b>	<b>448,414</b>	<b>4.9</b>	<b>9,056,984</b>	<b>622,073</b>	<b>6.9</b>	<b>15,152,188</b>	<b>1,102,394</b>	<b>7.3</b>
Male.....	4,527,282	262,770	5.8	4,580,290	343,450	7.5	7,901,118	587,657	7.6
Female.....	4,536,321	185,644	4.1	4,476,694	278,623	6.2	7,251,072	504,727	7.0
White.....	7,968,391	226,432	2.8	7,986,411	367,669	4.6	13,524,412	702,962	5.2
Male.....	3,999,143	132,616	3.3	4,070,955	211,861	5.2	7,089,393	403,285	5.7
Female.....	3,969,248	93,816	2.4	3,915,456	155,808	4.0	6,435,019	299,677	4.7
Negro.....	1,060,445	214,560	20.3	1,030,795	245,860	23.9	1,549,316	380,742	24.6
Male.....	507,945	126,459	24.9	482,157	126,970	26.3	733,968	183,993	24.4
Female.....	552,471	88,401	16.0	548,638	118,890	21.7	795,348	196,749	24.7
Indian.....	28,486	6,513	22.9	21,844	6,756	30.9	33,380	13,092	41.0
Male.....	14,612	3,169	21.7	11,265	3,138	27.9	16,993	6,184	36.4
Female.....	13,874	3,344	24.1	10,579	3,618	34.2	16,387	7,508	45.8
Chinese.....	3,439	303	8.8	4,451	559	12.6	10,551	1,534	14.5
Male.....	3,039	258	8.4	3,979	425	10.7	9,708	1,241	12.8
Female.....	380	45	11.8	472	134	28.4	843	293	34.8
Japanese.....	2,674	228	8.5	12,914	1,026	7.9	33,182	2,925	8.8
Male.....	2,328	190	8.2	11,375	855	7.5	29,731	2,427	8.2
Female.....	346	38	11.0	1,539	171	11.1	3,451	498	14.4
Native white.....	7,294,630	140,323	1.9	6,556,030	148,541	2.3	10,356,001	247,774	2.4
Male.....	3,647,389	85,510	2.3	3,247,035	84,586	2.6	5,210,149	136,583	2.6
Female.....	3,647,241	54,813	1.5	3,308,995	63,955	1.9	5,145,852	111,191	2.2
Native parentage.....	5,089,055	121,878	2.4	4,682,922	130,991	2.8	7,450,675	220,797	3.0
Male.....	2,552,528	75,394	3.0	2,332,914	75,193	3.2	3,788,166	121,983	3.2
Female.....	2,536,527	46,484	1.8	2,350,008	55,798	2.4	3,662,509	98,814	2.7
Foreign or mixed parentage.....	2,205,575	18,445	0.8	1,873,108	17,550	0.9	2,905,326	26,977	0.9
Male.....	1,094,861	10,116	0.9	914,121	9,393	1.0	1,421,993	14,600	1.0
Female.....	1,110,714	8,329	0.7	958,987	8,157	0.9	1,483,333	12,377	0.8
Foreign-born white.....	673,761	86,109	12.8	1,430,381	219,128	15.3	3,168,411	455,188	14.4
Male.....	351,734	47,106	13.4	823,920	127,275	15.4	1,879,244	266,702	14.2
Female.....	322,027	39,003	12.1	606,461	91,853	15.1	1,289,167	188,486	14.6

<sup>1</sup> Includes the small group "Age unknown," statistics for which are not shown separately.

## ILLITERATES IN THE POPULATION 10 YEARS OF AGE AND OVER, FOR THE UNITED STATES: 1910 AND 1900—Contd.

Table 27—Continued.

CLASS OF POPULATION.	PERSONS 35 TO 44 YEARS OF AGE: 1910			PERSONS 45 TO 64 YEARS OF AGE: 1910			PERSONS 65 YEARS OF AGE AND OVER: 1910		
	Total.	Illiterate.		Total.	Illiterate.		Total.	Illiterate.	
		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.
<b>Total population</b> .....	11,657,687	940,510	8.1	13,424,089	1,436,907	10.7	3,949,624	573,799	14.5
Male.....	6,153,366	466,287	7.6	7,163,332	672,684	9.4	1,985,976	248,875	12.5
Female.....	5,504,321	474,223	8.6	6,260,757	764,223	12.2	1,963,548	324,924	16.5
<b>White</b> .....	10,512,117	569,403	5.4	12,249,904	821,957	6.7	3,640,063	342,420	9.4
Male.....	5,561,221	303,719	5.5	6,518,282	387,641	5.9	1,825,019	135,102	7.4
Female.....	4,950,896	265,684	5.4	5,731,622	434,316	7.6	1,814,984	207,318	11.4
<b>Negro</b> .....	1,088,862	351,858	32.3	1,108,103	584,514	52.7	294,124	219,255	74.5
Male.....	550,130	152,132	27.7	565,554	267,588	47.3	152,482	107,877	70.7
Female.....	538,732	199,726	37.1	542,549	316,926	58.5	141,642	111,378	78.6
<b>Indian</b> .....	26,795	15,291	57.1	32,925	24,397	74.1	12,986	11,372	87.6
Male.....	13,847	6,951	50.2	17,055	11,679	68.5	6,130	5,178	84.5
Female.....	12,948	8,340	64.4	15,870	12,718	80.1	6,856	6,194	90.3
<b>Chinese</b> .....	15,402	2,205	14.3	29,647	5,436	18.3	2,330	717	30.8
Male.....	14,748	1,948	13.2	29,113	5,303	17.9	2,268	683	30.1
Female.....	654	257	39.3	534	233	43.6	62	34	54.8
<b>Japanese</b> .....	13,945	1,493	10.7	3,219	451	14.0	40	10	25.0
Male.....	12,865	1,377	9.9	3,045	422	13.9	38	10	26.3
Female.....	1,080	116	10.7	174	29	16.7	2	2	100.0
<b>Native white</b> .....	7,800,549	255,489	3.0	8,857,386	446,855	5.0	2,456,654	179,219	7.3
Male.....	3,927,695	139,588	3.0	4,623,547	217,383	4.7	1,218,011	73,035	6.0
Female.....	3,872,854	115,901	3.0	4,233,839	229,472	5.4	1,238,643	106,184	8.6
<b>Native parentage</b> .....	5,495,766	210,694	3.8	6,740,000	405,784	6.0	2,201,068	167,099	7.6
Male.....	2,854,044	107,355	3.8	3,547,325	197,258	5.6	1,089,349	67,722	6.2
Female.....	2,641,722	103,339	3.9	3,192,675	208,526	6.5	1,111,719	99,347	8.9
<b>Foreign or mixed parentage</b> .....	2,304,783	24,795	1.1	2,117,885	41,071	1.9	255,586	12,120	4.7
Male.....	1,143,651	13,133	1.1	1,076,222	20,125	1.9	128,662	5,283	4.1
Female.....	1,161,132	11,662	1.0	1,041,164	20,946	2.0	126,924	6,837	5.4
<b>Foreign-born white</b> .....	2,711,568	333,914	12.3	3,392,518	375,102	11.1	1,183,349	163,201	13.8
Male.....	1,563,526	183,231	11.7	1,894,735	170,258	9.0	697,008	62,067	10.2
Female.....	1,148,042	150,683	13.1	1,497,783	204,844	13.7	576,341	101,134	17.5

While in the whole urban population 10 years of age and over in 1910, 5.1 per cent were illiterate, in the rural population the percentage was 10.1, or almost double. The contrast between urban and rural illiteracy is by far the greatest in the case of the native whites of native parentage, of whom less than 1 per cent were illiterate in urban communities and over 5 per cent in rural districts. There was also a much higher percentage of illiteracy among the negroes in rural districts than in urban communities.

The differences here observed between the percentages of illiteracy in the urban and the rural population explain in part the differences in the proportion of illiteracy among the different classes of the population as a whole. Because of the high proportion of the native whites of native parentage and of the negroes living in rural districts, the percentage of illiteracy for each of these two classes as a whole approaches the percentage indicated for that portion of the class living in the rural districts. On the other hand, the native whites of foreign or of mixed parentage are largely city dwellers, and their general percentage approaches the urban percentage more closely than the rural.

It may be noted that the considerable divergence between the native whites of native parentage and those of foreign or mixed parentage almost disappears when the figures for the two classes are compared for urban communities. Further light upon the differences among the various classes can be gained from a study of the geographic distribution of illiteracy.

## DIVISIONS AND STATES.

The significance of the number of illiterates can be seen most clearly when a comparison is made with the aggregate population in which the illiterates are contained. It has seemed advisable in some cases, however, to give the number and percentage of illiterates without the aggregate population on which the percentage is based, it being understood that the figures representing the total population in any age group may be found in Chapter 3, relating to age. The importance, however, for the study of illiteracy, of the population 10 years of age and over makes it desirable to print here for convenience of reference the statistics of this population classified according to sex and color or race, nativity, and parentage, for divisions and states (Table 29, page 244).

**Percentage of illiteracy.**—Table 30 (page 247) gives by divisions and states for 1910 and 1900 the number and percentage illiterate, with separate figures for the most important of the color or race, nativity, and parentage classes. Table 28 presents in more compact form the percentages alone for the divisions, and for the larger sections of the country—the North, the South, and the West, which comprise respectively the first four, the next three, and the last two divisions.

**Table 28** PERCENTAGE OF ILLITERATES IN POPULATION 10 YEARS OF AGE AND OVER, 1910

DIVISION AND SECTION	All classes.		Native white.				Foreign-born white.		Negro.	
			Native parentage.		Foreign or mixed parentage.					
			1910	1900	1910	1900				
<b>United States.</b>	7.7	10.7	3.7	5.7	1.1	1.6	12.7	12.9	30.4	44.5
New England.	4.7	6.0	0.7	0.9	1.3	2.1	13.8	16.2	7.8	11.6
Middle Atlantic.	5.7	5.8	1.2	2.0	0.8	1.2	15.8	15.8	7.9	14.2
East North Central.	3.4	4.3	1.7	2.8	0.9	1.4	10.1	10.2	11.0	18.5
West North Central.	2.9	4.1	1.7	2.9	0.7	1.1	7.6	8.0	14.9	25.4
South Atlantic.	16.6	23.9	8.0	12.0	1.2	2.1	13.5	12.9	32.5	47.1
East South Central.	17.4	24.9	9.6	13.6	1.7	2.6	9.7	10.4	34.8	49.2
West South Central.	13.2	20.5	5.6	9.2	7.7	9.1	25.6	27.2	33.1	48.0
Mountain.	6.9	9.6	3.6	7.1	1.2	1.9	12.5	10.6	8.0	13.5
Pacific.	3.0	4.2	0.4	0.8	0.5	0.9	8.0	7.3	6.3	12.7
<b>The North.</b>	4.3	5.0	1.4	2.4	0.9	1.4	12.7	12.8	10.5	18.2
<b>The South.</b>	15.6	23.3	7.7	11.8	4.3	5.1	18.8	19.1	33.3	48.0
<b>The West.</b>	4.4	6.3	1.7	3.4	0.8	1.3	9.5	8.5	7.0	13.1

In the total population 10 years of age and over the percentage of illiteracy in 1910 was practically the same in the North and the West, but it was much greater in the South. The division showing the lowest proportion of illiterates was the West North Central, where only 2.9 per cent of the population 10 years of age and over were reported as illiterate, while the highest proportion, 17.4, was reported for the East South Central division. In the North the percentage of illiteracy was somewhat higher in the Middle Atlantic and New England divisions, where the foreign born are more numerous, than in the two central divisions. The percentage of illiteracy was decidedly higher in the Mountain division than in the Pacific, but it should be noted that this higher percentage is mainly due to exceptionally high percentages in two states—New Mexico and Arizona.

In all divisions the percentage of illiteracy for native whites of native parentage was lower than that for the total population. The lowest percentage of illiteracy in this class in any division was in the Pacific, where

only 0.4 per cent were reported as illiterate, and the highest percentage, 9.6, in the East South Central. The proportion of illiterates among the native whites of native parentage was considerably lower in New England than in the other divisions of the North.

Among the native whites of foreign or mixed parentage the percentage of illiteracy was very small, falling below 2 in all divisions except the West South Central. In the last-named division illiterates formed 7.7 per cent of the population of this class 10 years of age and over, this high figure being mainly due, however, to the exceptionally high percentage in the state of Texas. The proportion of illiterates among the native whites of foreign or mixed parentage was less than among those of native parentage in all of the divisions except the West South Central, New England, and Pacific.

The highest percentage of illiteracy among the foreign-born whites was in the West South Central division and the lowest in the West North Central. Of the divisions where the foreign-born whites are numerous, the Middle Atlantic shows the highest percentage of illiteracy for this class and New England the next highest. The percentage of illiteracy among the negroes was highest, 34.8, in the East South Central division. In the South as a whole in 1910 one-third of the negroes were illiterate. In the North, where the negroes are comparatively few, the percentage of illiteracy was 10.5, and in the West, where their numbers are insignificant, the percentage of illiteracy was only 7.

Comparing the figures for 1910 and 1900, it will be noted that, for the population as a whole and for both native white groups and for the negroes, the percentage of illiteracy was less in every division in 1910 than in 1900; considerably less, except for the population as a whole, in the Middle Atlantic division, where the figures were affected by a rather large increase in the proportion of foreign born in the total population. The decline in the proportion of illiterates among the negroes for the South as a whole, from nearly one-half in 1900 to one-third in 1910, is particularly conspicuous.

The percentages of illiterates in the several states among the different population classes conform in the main to those of the division in which the state is located. The figures showing the number and per cent of illiterates in each class by states are given in Table 30, page 245, and are graphically illustrated by the maps on pages 246 and 247.

## POPULATION 10 YEARS OF AGE AND OVER, BY DIVISIONS AND STATES: 1910.

Table 29

DIVISION AND STATE.	TOTAL.		Male: 1910	Female: 1910	White: 1910	Negro: 1910	Indian, Chinese, and all other: 1910	NATIVE WHITE.		Foreign- born white: 1910
	1910	1900						Native parentage: 1910	Foreign or mixed parentage: 1910	
<b>United States</b> .....	<b>71,580,270</b>	<b>57,949,824</b>	<b>37,027,558</b>	<b>34,552,712</b>	<b>63,833,870</b>	<b>7,317,922</b>	<b>328,478</b>	<b>37,081,278</b>	<b>13,908,063</b>	<b>12,944,529</b>
<b>GEOGRAPHIC DIVISIONS:</b>										
New England.....	5,330,914	4,524,602	2,649,807	2,681,017	5,270,232	55,321	5,361	2,135,801	1,377,187	1,757,244
Middle Atlantic.....	15,446,515	12,167,559	7,863,584	7,582,931	15,079,257	351,546	15,712	6,365,900	3,851,367	4,661,990
East North Central.....	14,568,949	12,443,302	7,629,768	7,039,181	14,297,034	254,545	17,350	7,370,025	3,941,206	2,985,823
West North Central.....	9,097,311	7,838,564	4,807,164	4,290,147	8,860,838	203,611	32,832	4,798,510	2,482,634	1,579,694
South Atlantic.....	9,012,826	7,616,159	4,528,942	4,483,884	6,018,022	2,986,936	7,868	5,297,864	339,771	280,387
East South Central.....	6,178,578	5,474,227	3,116,286	3,062,292	4,215,494	1,960,808	2,186	3,945,830	184,771	81,893
West South Central.....	6,394,043	4,649,988	3,334,078	3,059,965	4,881,289	1,460,705	52,049	4,101,510	449,348	330,431
Mountain.....	2,654,249	1,276,076	1,185,047	869,202	1,965,656	18,755	69,838	1,081,180	461,408	423,068
Pacific.....	3,496,885	1,859,347	2,012,792	1,484,063	3,346,028	25,575	125,282	1,084,658	820,371	840,999
<b>NEW ENGLAND:</b>										
Maine.....	603,893	565,440	307,375	296,518	601,890	1,166	837	406,951	89,603	105,336
New Hampshire.....	354,118	337,893	175,967	178,151	353,543	480	95	193,583	66,984	92,976
Vermont.....	289,128	278,943	148,686	140,442	287,653	1,446	29	183,292	56,707	47,654
Massachusetts.....	2,742,684	2,267,048	1,340,517	1,402,167	2,707,729	31,718	3,237	900,749	786,386	1,020,594
Rhode Island.....	440,065	344,824	219,221	220,844	431,632	7,913	520	129,279	130,449	171,904
Connecticut.....	901,026	730,454	455,947	445,079	887,785	12,598	643	321,947	247,058	315,780
<b>MIDDLE ATLANTIC:</b>										
New York.....	7,410,819	5,801,682	3,727,218	3,683,601	7,284,110	115,843	10,866	2,539,893	2,109,639	2,634,578
New Jersey.....	2,027,946	1,480,498	1,029,649	999,297	1,951,911	74,577	1,458	788,065	526,968	636,848
Pennsylvania.....	6,007,750	4,885,379	3,106,717	2,901,033	5,843,236	161,126	3,388	3,237,942	1,214,730	1,390,564
<b>EAST NORTH CENTRAL:</b>										
Ohio.....	3,848,747	3,289,921	1,970,027	1,878,720	3,754,104	93,910	733	2,332,681	822,149	579,274
Indiana.....	2,160,405	1,968,215	1,108,767	1,051,638	2,109,222	50,650	533	1,654,070	298,956	155,596
Illinois.....	4,493,734	3,727,745	2,333,230	2,160,504	4,398,331	92,928	2,475	1,941,879	1,287,893	1,168,559
Michigan.....	2,236,252	1,896,265	1,103,835	1,072,417	2,215,706	14,557	5,989	919,837	716,066	579,803
Wisconsin.....	1,829,811	1,561,156	953,969	875,902	1,819,691	2,500	7,620	500,968	186,142	502,591
<b>WEST NORTH CENTRAL:</b>										
Minnesota.....	1,628,635	1,305,657	882,046	746,589	1,615,427	6,366	6,842	389,726	691,786	533,915
Iowa.....	1,760,286	1,711,789	912,728	847,558	1,747,403	12,380	503	962,435	515,722	269,246
Missouri.....	2,694,600	2,371,865	1,334,851	1,259,749	2,401,353	132,383	862	1,792,819	444,956	223,578
North Dakota.....	434,730	229,161	240,658	184,072	419,422	546	4,752	108,422	160,559	150,451
South Dakota.....	443,466	294,304	245,991	197,475	428,265	697	14,504	170,391	159,540	98,334
Nebraska.....	924,032	709,755	491,706	432,326	913,984	6,725	3,323	465,425	276,062	172,497
Kansas.....	1,321,562	1,126,033	699,184	622,378	1,274,974	44,542	2,046	909,292	234,009	131,673
<b>SOUTH ATLANTIC:</b>										
Delaware.....	163,080	145,500	85,787	79,293	138,265	24,777	38	102,321	19,004	16,940
Maryland.....	1,023,950	920,715	507,421	516,529	843,047	180,545	449	590,715	151,381	100,951
District of Columbia.....	279,088	231,837	131,983	147,105	198,658	79,964	466	136,907	37,996	23,755
Virginia.....	1,536,277	1,364,501	770,504	765,793	1,039,333	496,418	546	985,058	28,669	25,639
West Virginia.....	903,822	701,046	483,221	420,601	852,778	50,925	119	756,184	41,948	54,046
North Carolina.....	1,578,595	1,346,734	781,434	797,161	1,082,797	490,395	5,403	1,070,405	6,658	5,734
South Carolina.....	1,078,161	942,402	531,692	546,469	493,820	584,064	277	478,726	9,183	5,911
Georgia.....	1,885,111	1,577,334	939,791	945,320	1,038,626	846,195	290	1,003,230	20,740	14,656
Florida.....	564,722	385,490	299,109	265,613	330,698	233,744	280	274,348	24,225	32,155
<b>EAST SOUTH CENTRAL:</b>										
Kentucky.....	1,722,644	1,589,685	874,306	848,338	1,512,398	210,028	218	1,360,814	112,013	39,571
Tennessee.....	1,621,179	1,480,948	817,174	804,005	1,260,304	360,663	212	1,210,016	32,303	17,985
Alabama.....	1,541,575	1,304,703	773,415	768,160	878,570	662,556	649	835,692	24,587	18,291
Mississippi.....	1,293,180	1,098,891	651,391	641,789	564,222	727,851	1,107	539,308	15,868	9,046
<b>WEST SOUTH CENTRAL:</b>										
Arkansas.....	1,134,087	934,332	588,133	545,954	806,683	327,009	395	701,189	29,040	16,454
Louisiana.....	1,213,575	990,364	612,534	601,042	686,979	525,540	1,147	545,698	90,948	50,333
Oklahoma.....	1,197,476	561,379	648,116	549,360	1,047,254	101,157	49,065	934,912	73,278	39,064
Texas.....	2,848,904	2,163,913	1,485,295	1,368,069	2,340,373	507,089	1,442	1,859,711	256,082	224,580
<b>MOUNTAIN:</b>										
Montana.....	303,551	101,596	190,263	113,288	291,125	1,633	10,793	124,768	76,901	89,456
Idaho.....	249,018	119,837	146,783	102,325	243,544	578	4,896	145,414	58,511	39,619
Wyoming.....	117,585	72,062	77,260	40,325	112,567	2,024	2,964	62,033	24,153	26,381
Colorado.....	640,846	425,424	350,684	290,162	627,167	9,990	3,680	369,056	135,685	123,026
New Mexico.....	240,990	141,282	131,828	109,162	225,048	1,344	14,598	185,205	18,608	21,235
Arizona.....	157,659	94,147	94,812	62,847	133,543	1,691	22,125	61,983	28,136	43,724
Utah.....	274,778	196,769	147,009	127,769	269,016	1,026	4,736	104,565	102,611	61,840
Nevada.....	69,822	34,959	46,408	23,414	63,346	469	6,007	28,156	17,403	17,787
<b>PACIFIC:</b>										
Washington.....	933,556	408,437	552,586	380,970	904,957	5,517	23,082	459,716	210,313	234,928
Oregon.....	555,631	328,799	324,717	230,914	539,613	1,359	14,659	331,492	107,362	100,759
California.....	2,067,698	1,222,111	1,135,489	872,209	1,901,458	18,699	87,541	893,450	502,696	505,312

¹ Includes population of Indian Territory for 1900.



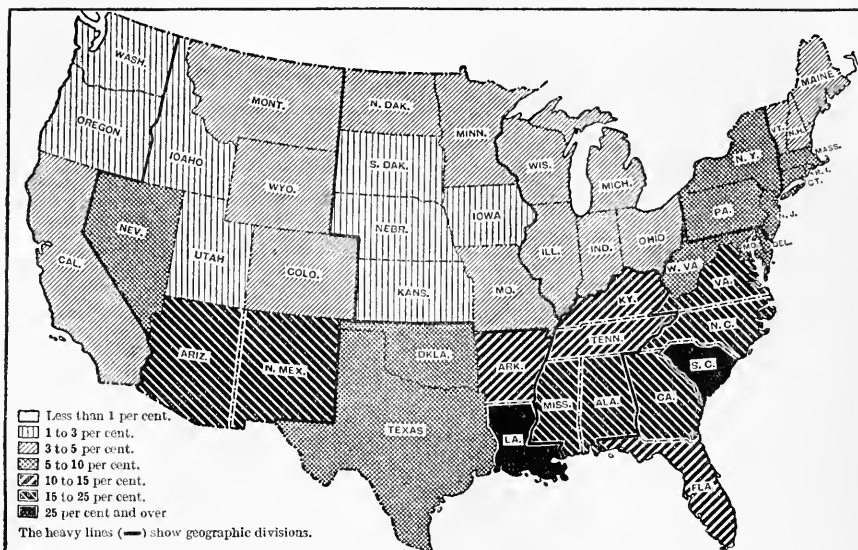
ILLITERATES IN THE POPULATION 10 YEARS OF AGE AND OVER. BY DIVISIONS AND STATES: 1910 AND 1900.

Table 30

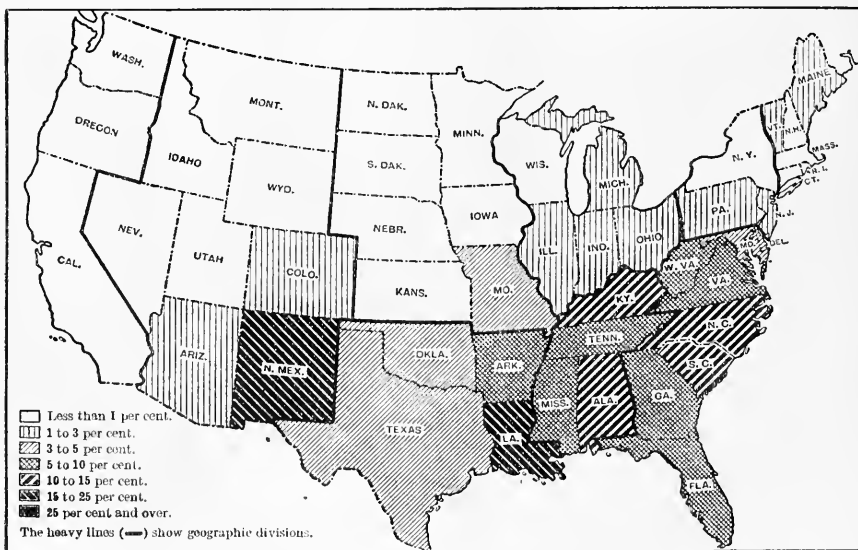
Table 30 DIVISION AND STATE.	NATIVE WHITE.																FOREIGN-BORN WHITE.				NEGRO.			
	ALL CLASSES.								NATIVE WHITE.								FOREIGN-BORN WHITE.				NEGRO.			
					Native parentage.				Foreign or mixed parentage.															
	1910		1900		1910		1900		1910		1900		1910		1900		1910		1900		1910		1900	
	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.
United States..	5,518,163	7.7	8,180,069	10.7	1,378,884	3.7	1,734,764	5.7	155,358	1.1	178,847	1.6	1,650,361	12.7	1,287,135	12.9	2,227,731	30.4	2,853,194	44.5				
GEOGRAPHIC DIVIS.																								
New England.....	280,806	5.3	272,402	6.0	15,551	0.7	19,262	0.9	17,006	1.3	21,037	2.1	242,513	13.8	224,988	16.2	4,341	7.8	5,681	11.6				
Middle Atlantic.....	873,812	5.7	704,134	5.8	75,908	1.2	114,083	2.0	32,343	0.8	37,670	1.2	735,244	15.8	509,436	15.8	27,811	7.9	38,594	14.2				
E. North Central.....	491,850	3.4	534,299	4.3	122,256	1.7	178,076	2.8	35,809	0.9	47,182	1.4	300,613	10.1	263,677	10.2	28,071	11.0	39,280	18.5				
W. North Central.....	263,138	2.9	324,023	4.1	81,362	1.7	117,339	2.9	17,661	0.7	21,075	1.1	120,578	7.6	120,299	8.0	30,436	14.9	48,634	25.4				
South Atlantic.....	1,444,294	16.0	1,821,346	23.9	429,618	8.0	535,163	12.0	4,191	1.2	6,367	2.1	37,934	13.5	26,437	12.9	969,432	32.5	1,250,279	47.1				
E. South Central.....	1,072,100	17.4	1,304,935	24.9	378,088	9.6	461,373	13.6	3,142	1.7	4,953	2.6	8,215	9.7	9,253	10.4	681,507	34.8	887,838	49.2				
W. South Central.....	845,694	13.2	953,644	20.5	229,807	5.6	258,017	9.2	34,737	7.7	30,622	9.1	84,674	25.6	69,066	27.2	483,022	33.1	579,489	48.6				
Mountain.....	140,737	6.9	122,901	9.6	39,253	3.6	43,743	7.1	5,754	1.2	5,773	1.9	52,550	12.5	29,939	10.6	1,497	8.0	1,840	13.5				
Pacific.....	103,822	3.0	82,385	4.2	7,041	0.4	7,706	0.8	4,145	0.5	4,168	0.9	67,645	8.0	34,020	7.3	1,614	6.3	1,559	12.7				
NEW ENGLAND:																								
Maine.....	24,554	4.1	29,000	5.1	5,776	1.4	6,880	1.7	4,048	4.5	4,514	6.7	14,394	13.7	17,195	19.4	93	8.0	155	14.2				
New Hampshire.....	16,386	4.6	21,075	6.2	1,462	0.8	2,085	1.0	1,377	2.1	1,755	3.7	13,485	14.5	17,126	20.5	51	10.6	70	11.9				
Vermont.....	10,806	3.7	16,247	5.8	2,234	1.2	3,231	1.8	2,261	4.0	3,703	6.8	6,239	13.1	9,205	21.4	69	4.8	99	14.6				
Massachusetts.....	141,541	5.2	134,043	5.9	3,428	0.4	3,912	0.5	5,735	0.7	6,827	1.2	129,412	17.7	119,582	14.6	2,884	8.1	2,853	10.7				
Rhode Island.....	33,854	7.7	29,004	8.4	944	0.7	1,196	1.0	2,369	1.8	2,518	2.8	29,781	17.3	24,157	18.7	752	9.5	1,063	14.1				
Connecticut.....	53,665	6.0	42,973	5.9	1,707	0.5	1,958	0.6	1,876	0.8	1,720	0.9	49,202	15.4	37,723	16.3	792	6.3	1,441	11.5				
MIDDLE ATLANTIC:																								
New York.....	406,020	5.5	318,100	5.5	21,292	0.8	29,188	1.3	15,026	0.7	18,162	1.1	362,025	13.7	258,423	14.0	5,768	5.0	9,180	10.8				
New Jersey.....	113,502	5.6	86,658	5.9	8,292	1.1	13,511	2.1	3,691	0.7	3,520	1.0	93,551	14.7	59,307	14.1	7,405	9.9	9,882	17.2				
Pennsylvania.....	354,290	5.9	299,376	6.1	46,054	1.4	71,384	2.5	13,626	1.1	15,988	1.6	279,668	20.1	191,706	19.9	14,638	9.1	19,332	15.1				
E. N. CENTRAL:																								
Ohio.....	124,774	3.2	131,541	4.0	39,807	1.7	56,416	2.8	7,503	0.9	10,739	1.4	66,887	11.5	50,155	11.1	10,460	11.1	14,107	17.8				
Indiana.....	66,213	3.1	90,539	4.6	36,829	2.2	57,137	3.9	4,126	1.4	6,663	2.2	18,200	11.7	16,059	11.6	6,959	13.7	10,594	22.6				
Illinois.....	168,294	3.7	157,958	4.2	32,836	1.7	48,680	2.9	7,650	0.6	9,357	0.9	117,751	10.1	86,668	9.1	7,713	10.5	12,993	18.1				
Michigan.....	74,800	3.3	80,482	4.2	9,561	1.0	12,154	1.5	8,285	1.2	10,123	1.8	54,113	9.3	54,399	10.3	826	5.7	1,426	10.9				
Wisconsin.....	57,769	3.2	73,779	4.7	3,223	0.6	3,689	1.0	8,245	1.0	10,300	1.5	43,662	8.7	36,596	11.1	113	4.5	250	11.4				
W. N. CENTRAL:																								
Minnesota.....	49,336	3.0	52,946	4.1	1,536	0.4	1,556	0.5	4,302	0.6	4,782	0.9	40,627	7.6	42,142	8.4	215	3.4	337	7.9				
Iowa.....	29,889	1.7	40,172	2.3	8,391	0.9	12,494	1.4	3,150	0.6	4,028	0.8	16,894	6.3	21,481	7.1	1,272	10.3	1,962	18.5				
Missouri.....	111,116	4.3	152,844	6.4	60,670	3.4	89,203	5.6	5,172	1.2	7,202	1.7	22,631	10.1	19,944	9.3	23,062	17.4	36,390	28.8				
North Dakota.....	13,070	3.1	12,719	5.6	349	0.3	279	0.6	1,064	0.7	784	1.1	9,474	6.3	8,432	7.8	26	4.8	31	12.1				
South Dakota.....	12,750	2.9	14,832	5.0	556	0.3	432	0.5	683	0.4	772	0.8	8,496	5.0	5,835	6.7	38	5.5	51	13.3				
Nebraska.....	18,009	1.9	17,997	2.3	2,787	0.6	3,311	0.8	1,491	0.5	1,406	0.7	12,204	7.1	11,911	6.8	482	7.2	633	11.8				
Kansas.....	29,968	2.2	32,513	2.9	7,673	0.8	10,064	1.3	1,799	0.8	2,101	1.0	13,787	10.5	10,604	8.5	5,341	12.0	9,230	22.8				
SOUTH ATLANTIC:																								
Delaware.....	13,240	8.1	17,531	12.0	3,362	3.3	5,840	6.3	163	0.9	232	1.4	3,359	19.8	2,476	18.3	6,345	25.6	8,967	38.1				
Maryland.....	73,397	7.2	101,947	11.1	17,464	3.0	23,837	4.7	1,488	1.0	2,595	1.9	12,047	11.9	12,262	13.4	42,289	23.4	63,033	35.1				
Dist. of Columbia.....	13,812	4.9	20,028	8.6	797	0.6	975	0.9	163	0.4	163	0.5	1,944	8.2	1,342	7.0	10,814	13.5	17,462	24.3				
Virginia.....	232,911	15.2	312,120	22.9	81,105	8.2	95,583	11.4	352	1.2	534	2.1	23,868	9.2	2,043	10.9	148,950	30.0	213,836	44.6				
West Virginia.....	74,866	8.3	80,105	11.4	50,580	6.7	63,008	10.4	827	2.0	1,273	3.2	13,075	23.9	4,730	21.5	10,347	20.3	11,083	32.3				
North Carolina.....	291,497	18.5	386,251	28.7	131,992	12.3	175,325	19.6	197	3.0	320	5.1	477	8.3	262	6.1	156,203	31.9	208,132	47.6				
South Carolina.....	276,980	25.7	338,659	35.9	50,112	10.5	54,177	13.9	133	1.4	198	2.1	399	6.8	344	6.5	226,242	38.7	283,883	52.8				
Georgia.....	389,773	20.7	480,420	30.5	79,875	8.0	99,948	12.2	328	1.6	483	2.5	875	6.0	833	7.0	308,639	36.5	379,067	52.4				
Florida.....	77,816	12.8	84,285	21.9	14,331	5.2	16,470	9.0	540	2.2	569	3.6	3,390	10.5	2,145	11.6	59,503	25.5	64,816	38.4				
E. S. CENTRAL:																								
Kentucky.....	208,084	12.1	262,954	16.5	145,156	10.7	166,822	13.9	1,641	1.5	2,502	2.1	3,300	8.3	5,444	10.9	57,900	27.6	88,137	40.1				
Tennessee.....	221,071	13.6	306,930	20.7	120,384	9.9	156,342	14.5	582	1.8	1,054	3.2	1,488	8.3	1,690	9.7	98,541	27.3	147,784	41.6				
Alabama.....	352,710	22.9	443,390	34.0	84,204	10.1	102,779	15.2	564	2.3	791	3.5	2,063	11.3	1,313	9.3	265,628	40.1	338,605	57.4				
Mississippi.....	290,235	22.4	351,461	32.0	28,344	5.3	35,432	8.1	355	2.2	606	3.8	1,364	15.1	806	10.7	259,438	35.6	313,412	49.1				
W. S. CENTRAL:																								
Arkansas.....	142,954	12.6	190,655	20.4	54,221	7.1	74,828	11.8	804	2.8	1,208	4.9	1,466	8.9	1,124	8.0	86,398	26.4	113,453	43.0				
Louisiana.....	352,179	29.0	381,145	38.5	82,106	15.0	78,899	20.4	3,259	3.6	3,328	3.8	12,085	24.0	14,324	28.6	254,148	42.4	284,628	61.1				
Oklahoma.....	67,567	5.6	67,826	12.1	32,665	3.5	34,284	8.1	964	1.3	1,086	3.1	3,828	9.8	2,157	10.8	17,858	17.7	14,870	37.0				
Texas.....	282,904	9.9	314,018	14.																				

## PERCENTAGE OF ILLITERATES IN THE POPULATION 10 YEARS OF AGE AND OVER: 1910.

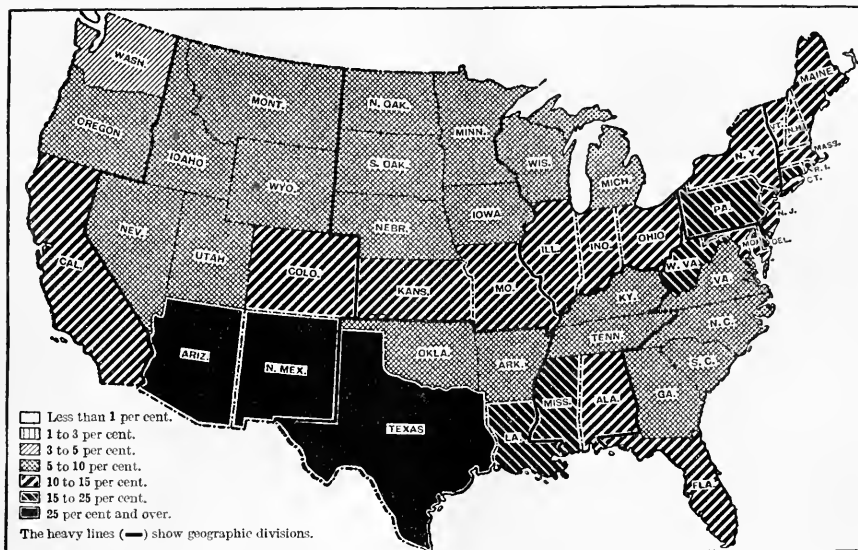
## TOTAL POPULATION.



## NATIVE WHITES OF NATIVE PARENTAGE.



**FOREIGN-BORN WHITES.**



□ Less than 1 per cent.  
 ▨ 1 to 3 per cent.  
 ▩ 3 to 5 per cent.  
 ▤ 5 to 10 per cent.  
 ▥ 10 to 15 per cent.  
 ▦ 15 to 25 per cent.  
 ▧ 25 per cent and over.

The heavy lines (—) show geographic divisions.

**Illiteracy by sex.**—Table 31 shows for 1910, by divisions and states, the number and percentage of illiterate males and females 10 years of age and over.

As already noted, the percentage of illiteracy for females in the United States as a whole was slightly higher than that for males. In the New England, East North Central, East South Central, and Pacific divisions, however, the percentage of illiteracy for females was slightly less than that for males, and in the West North Central division the percentages for the two sexes were the same.

**Illiteracy in the urban and rural population.**—Table 32, on page 249, shows by divisions for 1910 the urban and rural population 10 years of age and over, classified according to color or race, nativity, and parentage groups in each division in 1910 as urban or rural, giving the number and percentage of illiterates in each case.

In the United States as a whole the percentage of illiteracy for the total population and for each class shown in the table was considerably higher in rural districts than in urban communities. There were three divisions, however, the New England, the Middle

Atlantic, and the East North Central, in which the percentage of illiteracy was the greater in urban communities. This exception to the general rule is explained by the relatively large number of foreign-born whites living in the cities of the three divisions named. In the native groups shown, which comprise the native whites of native and of foreign or mixed parentage and the negroes, the proportion of illiterates was greater in the rural parts of all divisions than in the urban communities. The foreign-born whites showed in general a somewhat higher percentage of illiteracy in rural districts than in urban communities, but an exception to this rule appears in the case of the two North Central divisions. There is a considerable foreign-born white element in the rural population of these divisions, but the more recent growth of the foreign-born population has been in the cities, and the fact that recent immigrants appear to be somewhat more illiterate than the earlier ones furnishes an explanation of the higher percentage of illiteracy among the foreign-born whites in the urban communities than is found in the rural districts of this section of the country.

ILLITERATES IN THE MALE AND FEMALE POPULATION 10 YEARS OF AGE AND OVER, BY DIVISIONS AND STATES: 1910.

Table 31	ILLITERATES 10 YEARS OF AGE AND OVER: 1910				DIVISION AND STATE.	ILLITERATES 10 YEARS OF AGE AND OVER: 1910			
	Male.		Female.			Male.		Female.	
	Number.	Per cent.	Number.	Per cent.		Number.	Per cent.	Number.	Per cent.
United States .....	2,814,950	7.6	2,701,213	7.8					
GEOGRAPHIC DIVISIONS:					SOUTH ATLANTIC:				
New England.....	146,326	5.3	149,480	5.2	Delaware.....	7,022	8.4	6,218	7.8
Middle Atlantic.....	442,488	5.6	431,324	5.7	Maryland.....	36,556	7.2	36,841	7.1
East North Central.....	262,137	3.5	229,713	3.3	District of Columbia.....	5,410	4.1	5,402	4.7
West North Central.....	138,030	2.9	125,108	2.9	Virginia.....	121,329	15.7	111,582	14.6
South Atlantic.....	723,570	16.0	720,724	16.1	West Virginia.....	42,511	8.8	32,355	7.7
East South Central.....	542,291	17.4	529,809	17.3	North Carolina.....	142,108	18.2	149,389	18.7
West South Central.....	424,354	12.7	421,250	13.8	South Carolina.....	132,126	25.0	133,854	26.3
Mountain.....	75,242	6.3	65,495	7.5	Georgia.....	196,026	20.9	193,749	20.5
Pacific.....	66,512	3.3	37,310	2.5	Florida.....	39,482	13.2	38,334	14.4
NEW ENGLAND:					EAST SOUTH CENTRAL:				
Maine.....	15,006	4.9	9,548	3.2	Kentucky.....	109,877	12.6	98,207	11.6
New Hampshire.....	9,210	5.2	7,176	4.1	Tennessee.....	112,986	13.8	108,085	13.4
Vermont.....	6,496	4.4	4,320	3.1	Alabama.....	173,726	22.5	178,984	23.3
Massachusetts.....	67,647	5.0	73,894	5.3	Mississippi.....	148,702	22.4	144,533	22.5
Rhode Island.....	16,192	7.4	17,662	8.0	WEST SOUTH CENTRAL:				
Connecticut.....	25,785	5.7	27,880	6.3	Arkansas.....	71,243	12.1	71,711	13.1
MIDDLE ATLANTIC:					Louisiana.....	171,423	28.0	180,756	30.1
New York.....	187,107	5.0	218,913	5.9	Oklahoma.....	35,876	15.9	31,691	5.8
New Jersey.....	57,047	5.5	56,455	5.7	Texas.....	145,812	9.8	137,092	10.1
Pennsylvania.....	198,334	6.4	185,956	5.4	MOUNTAIN:				
EAST NORTH CENTRAL:					Montana.....	9,895	5.2	4,562	4.0
Ohio.....	68,385	3.5	56,389	3.0	Idaho.....	3,831	2.6	1,622	1.6
Indiana.....	35,956	3.2	30,257	2.9	Wyoming.....	2,869	3.7	1,005	2.5
Illinois.....	86,729	3.7	81,565	3.8	Colorado.....	12,680	3.6	11,190	3.4
Michigan.....	41,617	3.6	33,183	3.1	New Mexico.....	20,965	15.9	27,732	25.4
Wisconsin.....	29,459	3.1	28,319	3.2	Arizona.....	18,183	19.2	14,770	23.5
WEST NORTH CENTRAL:					Utah.....	3,990	2.7	2,831	2.2
Minnesota.....	25,819	2.9	23,517	3.1	Nevada.....	2,829	6.1	1,873	8.0
Iowa.....	15,633	1.7	14,256	1.7	PACIFIC:				
Missouri.....	58,106	4.4	53,010	4.2	Washington.....	11,724	2.1	6,692	1.8
North Dakota.....	6,645	2.8	6,425	3.5	Oregon.....	2,214	2.2	3,290	1.4
South Dakota.....	6,216	2.5	6,534	3.3	California.....	47,574	4.2	27,328	3.1
Nebraska.....	9,469	1.9	8,520	2.0					
Kansas.....	16,122	2.3	12,846	2.1					

The very much higher percentage of illiteracy shown for the native whites of native parentage in the United States as a whole than for the native whites of foreign or mixed parentage is due in large part to the exceptionally high percentages of illiteracy among the native whites of native parentage in the southern divisions, where this nativity class makes up by far

the greater part of the white population. These exceptionally high percentages for the southern divisions are in turn due principally to the very large proportion of illiterates in the rural population of the South, in which section of the country somewhat more than three-fourths of the total population in 1910 resided in rural districts.

ILLITERATES IN THE URBAN AND THE RURAL POPULATION 10 YEARS OF AGE AND OVER, BY DIVISIONS: 1910.

Table 32	DIVISION AND CLASS OF COMMUNITY.	NATIVE WHITE.																		FOREIGN-BORN WHITE.						NEGRO.					
		ALL CLASSES.						Native parentage.						Foreign or mixed parentage.																	
		Illiterate.						Illiterate.						Illiterate.						Illiterate.						Illiterate.					
		Total.	Num-ber.	Per-cent.	Total.	Num-ber.	Per-cent.	Total.	Num-ber.	Per-cent.	Total.	Num-ber.	Per-cent.	Total.	Num-ber.	Per-cent.	Total.	Num-ber.	Per-cent.	Total.	Num-ber.	Per-cent.	Total.	Num-ber.	Per-cent.	Total.	Num-ber.	Per-cent.			
United States .....	71,580,270	5,518,163	7.7	37,081,278	1,378,884	3.7	13,908,083	155,388	1.1	12,944,529	1,650,361	12.7	7,317,922	2,227,731	30.4																
Urban .....	34,849,176	1,788,132	5.1	14,062,847	130,908	0.9	8,888,097	80,994	0.7	9,331,994	1,172,491	12.0	2,231,353	333,273	17.6																
Rural .....	36,831,095	3,748,031	10.1	23,018,431	1,247,976	5.4	4,919,986	84,394	1.8	3,612,535	477,870	13.2	5,086,569	1,834,458	36.1																
NEW ENGLAND.....	5,330,914	280,806	5.3	2,135,801	15,551	0.7	1,377,187	17,606	1.3	1,757,244	242,513	13.8	55,321	4,341	7.8																
Urban.....	4,434,412	247,143	5.6	1,507,336	7,918	0.5	1,248,177	13,002	1.0	1,623,609	222,030	13.7	51,025	3,614	7.1																
Rural.....	896,502	33,663	3.8	628,465	7,633	1.2	129,010	4,604	3.6	133,635	20,483	15.3	4,296	727	16.9																
MIDDLE ATLANTIC ..	15,446,515	873,812	5.7	6,565,900	75,908	1.2	3,851,367	32,343	0.8	4,061,990	735,244	15.8	351,546	27,811	7.9																
Urban.....	11,033,550	644,618	5.8	3,653,752	21,034	0.6	3,171,581	19,556	0.6	3,910,013	582,756	14.9	288,414	20,089	7.0																
Rural.....	4,412,965	229,194	5.2	2,912,148	54,874	1.9	679,786	12,787	1.9	751,977	152,488	20.3	63,132	7,722	12.2																
EAST NORTH CENTRAL ..	14,568,949	491,850	3.4	7,370,025	122,256	1.7	3,941,206	35,809	0.9	2,985,823	300,613	10.1	254,545	28,071	11.0																
Urban.....	7,831,590	277,444	3.5	3,102,539	27,193	0.9	2,400,758	12,530	0.5	2,124,920	217,771	10.2	198,609	19,229	9.7																
Rural.....	6,737,359	214,406	3.2	4,267,486	95,063	2.2	1,540,448	23,279	1.5	860,903	82,842	9.6	55,876	8,842	15.8																
WEST NORTH CENTRAL ..	9,097,311	263,138	2.9	4,798,510	81,362	1.7	2,482,634	17,661	0.7	1,579,694	120,573	7.6	203,641	30,346	14.9																
Urban.....	3,203,714	86,968	2.7	1,558,468	11,732	0.8	883,660	4,636	0.5	616,718	52,093	8.5	141,823	17,454	12.3																
Rural.....	5,893,597	176,180	3.0	3,240,042	69,630	2.1	1,598,974	13,025	0.8	902,976	67,880	7.0	61,818	12,882	21.0																
SOUTH ATLANTIC .....	9,012,826	1,444,294	16.0	5,397,804	429,618	8.0	339,771	4,191	1.2	280,387	37,934	13.5	2,986,936	909,432	32.5																
Urban.....	2,495,359	211,760	8.5	1,320,961	29,111	2.2	244,255	1,897	0.8	185,142	21,511	11.6	741,429	158,906	21.4																
Rural.....	6,519,467	1,232,534	18.9	4,076,903	400,507	9.8	95,516	2,294	2.4	95,245	16,423	17.2	2,245,507	810,526	36.1																
EAST SOUTH CENTRAL ..	6,178,578	1,072,100	17.4	3,945,830	378,088	9.6	184,771	3,142	1.7	84,893	8,215	9.7	1,900,895	681,597	34.8																
Urban.....	1,279,677	122,477	9.6	760,026	16,910	2.2	244,255	1,897	0.8	185,142	21,511	11.6	741,429	158,906	21.4																
Rural.....	4,898,901	949,623	19.4	3,275,804	362,178	11.1	53,782	2,085	3.9	28,124	3,052	10.9	1,539,369	581,250	37.8																
WEST SOUTH CENTRAL ..	6,394,043	845,604	13.2	4,101,510	229,807	5.6	449,348	34,737	7.7	330,431	84,674	25.6	1,460,705	483,022	33.1																
Urban.....	1,562,545	112,889	7.2	883,283	12,088	1.4	190,471	5,315	2.8	130,677	23,415	17.9	353,011	71,652	20.3																
Rural.....	4,831,498	732,715	15.2	3,218,227	217,719	6.8	258,877	29,422	11.4	199,754	61,259	30.7	1,107,694	411,570	37.2																
MOUNTAIN.....	2,054,249	140,737	6.9	1,081,180	39,253	3.6	461,408	5,754	1.2	423,068	52,930	12.5	18,755	1,497	8.0																
Urban.....	772,572	23,902	3.1	384,424	3,567	0.9	198,892	1,380	0.7	168,430	16,274	9.7	13,505	909	7.0																
Rural.....	1,281,677	116,775	9.1	696,756	35,686	5.1	262,516	4,374	1.7	254,638	36,676	14.4	5,250	588	10.6																
PACIFIC .....	3,496,885	103,822	3.0	1,684,058	7,041	0.4	820,371	4,145	0.5	804,999	67,645	8.0	25,575	1,614	6.3																
Urban.....	2,037,756	40,881	2.0	921,858	2,353	0.3	519,314	1,631	0.3	515,716	30,878	6.0	21,348	1,133	5.3																
Rural.....	1,459,129	62,941	4.3	762,800	4,688	0.6	301,057	2,514	0.8	325,283	36,767	11.3	4,227	481	11.4																

#### PRINCIPAL CITIES.

Table 33 gives a statement of illiteracy in 1910 and 1900 by color or race, nativity, and parentage for cities having a population of 100,000 or more. Somewhat less detailed statistics for cities having from 25,000 to 100,000 inhabitants are given in Table 34.

Among the 50 cities having 100,000 inhabitants or more in 1910, there were four in which the proportion of illiterates in the total population 10 years of age and over was less than 2 per cent (Seattle, 1.1 per cent; Portland, Oreg., 1.2 per cent; Spokane, 1.3 per cent; and Los Angeles, 1.9 per cent), and 10 others in which the proportion of illiterates in the total population was between 2 and 3 per cent. The two cities having the largest percentage of illiteracy were Fall River (13.2), where the high average was due to the large proportion of the foreign born in the population, and Birmingham

(10.4), where the high average was due to the large proportion of negroes. The differences between the percentages in other cities were likewise due in large part to differences in the proportions of foreign born or negroes; among the native whites there was relatively little variation in the percentage of illiteracy, which was uniformly very low.

In general, the proportion of illiterates in the total population of these 50 cities was less in 1910 than in 1900. Eighteen cities, however—Albany, Bridgeport, Chicago, Denver, Detroit, Jersey City, Minneapolis, New Haven, Oakland, Omaha, Paterson, Philadelphia, Pittsburgh, Providence, Rochester, Scranton, Syracuse, and Worcester—constituted exceptions to this rule, and in each of these cities, it will be noted, there was a considerable increase in the number of illiterates of foreign birth.

## ILLITERATES IN THE POPULATION 10 YEARS OF AGE AND OVER IN CITIES OF 100,000 INHABITANTS OR MORE: 1910 AND 1900.

[Per cent not shown where base is less than 100.]

Table 33

CITY.	ALL CLASSES.				NATIVE WHITE.								FOREIGN-BORN WHITE.				NEGRO.			
									Foreign or mixed parentage.											
					Native parentage.															
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.	Num- ber.	Per cent.
Albany, N. Y.	2,762	3.2	2,181	2.8	111	0.3	144	0.5	163	0.5	212	0.7	2,440	13.8	1,755	10.0	39	4.2	68	6.5
Atlanta, Ga.	10,813	8.6	11,406	15.8	1,522	2.1	1,049	2.8	23	0.5	30	0.9	250	5.9	208	8.6	9,005	20.9	10,099	35.1
Baltimore, Md.	20,325	4.4	29,148	7.2	1,191	0.6	2,351	1.3	664	0.6	1,175	1.2	8,852	12.0	8,853	12.9	9,438	13.2	16,946	25.7
Birmingham, Ala.	11,026	10.4	5,986	19.1	626	1.2	187	1.4	40	0.7	25	1.2	829	15.1	241	13.9	9,528	22.1	5,532	40.3
Boston, Mass.	24,468	4.4	21,320	5.1	155	0.1	165	0.1	363	0.2	412	0.3	23,371	10.0	21,557	11.3	420	3.5	786	7.9
Bridgeport, Conn.	4,440	5.4	2,969	5.3	47	0.2	47	0.3	94	0.4	92	0.6	4,235	12.1	2,737	12.6	58	5.2	123	12.6
Buffalo, N. Y.	12,745	3.7	13,152	4.8	203	0.2	255	0.4	622	0.5	654	0.6	11,838	10.3	12,142	12.0	65	4.1	81	5.4
Cambridge, Mass.	2,540	3.0	3,388	4.6	28	0.1	32	0.2	46	0.2	100	0.5	2,241	6.6	2,900	9.9	213	5.6	337	11.0
Chicago, Ill.	79,911	4.5	51,142	3.9	556	0.2	442	0.2	1,704	0.3	1,339	0.3	75,802	10.0	47,088	8.2	1,595	4.0	2,014	7.5
Cincinnati, Ohio.	9,576	3.1	8,848	3.4	1,175	1.0	590	0.8	398	0.5	672	0.6	5,296	9.6	5,114	8.9	2,503	14.5	2,468	19.8
Cleveland, Ohio.	20,676	4.6	14,091	4.7	190	0.2	177	0.3	403	0.3	301	0.4	19,721	10.5	13,094	10.7	306	4.1	487	9.4
Columbus, Ohio.	4,442	2.9	3,290	3.2	1,210	1.3	770	1.5	266	0.9	285	1.2	1,994	12.6	1,109	9.1	962	8.7	1,109	15.9
Dayton, Ohio.	2,224	2.3	1,797	2.6	245	0.5	362	1.0	165	0.5	157	0.5	1,423	10.6	918	9.5	392	9.5	354	12.4
Denver, Colo.	3,841	2.1	1,979	1.8	199	0.2	100	0.2	143	0.3	74	0.3	3,076	8.1	1,396	5.7	201	6.0	339	10.0
Detroit, Mich.	18,731	5.0	9,062	4.1	204	0.2	165	0.4	707	0.5	499	0.6	17,633	1.7	8,119	8.6	176	3.5	278	8.0
Fall River, Mass.	12,276	13.2	12,110	14.9	97	0.9	118	1.1	636	2.0	541	2.4	11,531	23.5	11,403	24.1	25	8.1	32	11.1
Grand Rapids, Mich.	2,271	2.5	2,136	3.1	61	0.2	98	0.4	84	0.3	114	0.5	2,088	7.6	1,873	8.0	28	4.8	45	8.5
Indianapolis, Ind.	5,874	3.6	6,004	4.3	1,163	0.9	1,057	1.4	194	0.5	306	1.0	2,191	11.3	1,882	11.1	2,316	12.4	2,745	20.3
Jersey City, N. J.	11,797	5.6	7,171	4.5	191	0.2	80	0.2	436	0.6	246	0.4	10,952	14.5	6,518	11.4	240	4.9	244	7.9
Kansas City, Mo.	4,937	2.3	5,258	3.9	550	0.4	544	0.7	127	0.4	148	0.5	2,192	8.9	1,953	8.8	2,038	9.6	2,938	19.3
Los Angeles, Cal.	5,258	1.9	1,956	2.3	289	0.2	262	0.6	217	0.4	142	0.7	4,101	7.0	938	5.3	389	6.0	273	15.9
Louisville, Ky.	9,886	5.3	14,567	8.8	1,142	1.3	1,253	1.9	451	1.0	613	1.3	1,627	9.5	2,404	10.8	6,662	18.7	10,397	31.1
Lowell, Mass.	5,172	6.0	6,843	8.8	46	0.3	75	0.4	194	0.7	328	1.6	4,728	11.7	6,412	16.3	3	2.7	9	7.6
Memphis, Tenn.	8,855	8.0	14,989	18.3	255	0.5	246	0.9	27	0.3	66	0.8	622	9.9	561	11.3	7,932	17.6	14,106	35.1
Milwaukee, Wis.	10,765	3.6	8,543	3.8	70	0.1	62	0.2	384	0.3	459	0.4	10,274	9.5	7,695	8.8	26	2.9	47	6.1
Minneapolis, Minn.	6,139	2.4	2,977	1.8	84	0.1	77	0.2	214	0.2	166	0.3	5,769	6.8	2,641	4.4	69	2.9	83	6.2
Nashville, Tenn.	7,947	8.8	9,460	14.4	895	1.8	1,020	3.2	33	0.5	80	1.3	265	7.0	295	9.9	6,810	22.0	8,059	32.4
New Haven, Conn.	7,502	7.0	4,875	5.6	47	0.2	57	0.2	126	0.4	86	0.3	7,179	17.4	4,465	14.9	137	4.5	248	10.0
New Orleans, La.	18,987	6.9	30,820	13.6	1,656	1.0	1,419	2.1	782	1.2	1,310	2.0	3,504	12.9	5,333	18.3	13,541	13.3	22,586	36.1
New York, N. Y.	254,208	6.7	181,835	6.8	1,322	0.2	1,367	0.3	4,391	0.4	3,977	0.5	245,085	13.2	170,638	13.9	2,893	3.6	4,362	8.3
Manhattan Borough.	161,218	8.0	132,977	8.2	473	0.2	591	0.2	1,879	0.2	2,140	0.4	146,871	13.8	1,171	5.3	2,222	6.6		
Bronx Borough.	16,783	4.0	11,111	2.7	111	0.2	102	0.2	302	0.2	302	0.2	15,158	8.1	136,897	15.5	1,711	5.3	2,222	6.6
Brooklyn Borough.	78,143	6.1	41,452	4.6	535	0.2	594	0.3	1,423	0.3	1,566	0.5	74,729	13.6	47,643	10.9	896	4.2	1,732	11.1
Queens Borough.	8,374	3.8	5,171	4.6	145	0.5	102	0.4	254	0.3	194	0.5	7,819	10.1	5,758	10.3	135	5.1	283	13.2
Richmond Borough.	2,630	5.9	1,836	3.6	58	0.3	80	0.5	111	0.5	77	0.5	2,448	10.4	1,539	3.4	60	6.4	116	15.3
Newark, N. J.	16,553	6.0	11,715	6.1	222	0.3	192	0.4	553	0.6	546	0.8	15,131	14.2	10,218	14.7	589	7.5	708	12.8
Oakland, Cal.	3,863	3.0	1,614	2.9	90	0.2	27	0.1	245	0.6	58	0.3	3,000	8.3	1,268	7.9	87	3.3	50	5.6
Omaha, Nebr.	2,789	2.7	1,662	2.0	92	0.2	78	0.2	92	0.3	52	0.2	2,352	8.9	1,189	5.1	249	6.3	315	10.6
Paterson, N. J.	6,927	6.9	5,101	6.3	201	0.9	260	1.5	226	0.7	316	1.2	6,335	14.5	4,346	11.6	146	11.3	213	7.7
Philadelphia, Pa.	57,700	4.6	45,546	4.1	2,219	0.5	2,108	0.5	2,257	0.6	1,971	0.7	47,467	12.9	35,025	12.1	5,885	7.8	5,882	11.1
Pittsburgh, Pa.	26,627	6.2	20,402	5.8	429	0.3	518	0.5	780	0.6	959	0.8	23,984	17.5	16,468	14.6	1,409	6.6	2,437	14.4
Portland, Oreg.	2,145	1.2	3,925	5.1	96	0.1	37	0.1	84	0.2	59	0.2	1,674	3.9	733	4.2	18	1.9	33	4.6
Providence, R. I.	14,236	7.7	10,029	7.0	156	0.3	180	0.4	551	1.0	569	1.4	13,039	17.6	8,607	16.0	434	9.7	684	15.9
Richmond, Va.	8,641	8.2	9,501	13.7	703	1.3	611	1.8	36	0.6	53	1.1	293	7.1	249	8.9	7,615	19.6	8,572	32.2
Rochester, N. Y.	6,916	3.8	3,499	2.7	146	0.2	94	0.2	198	0.3	202	0.4	6,557	11.5	3,174	7.9	11	1.4	29	5.7
St. Louis, Mo.	21,123	3.7	20,359	4.4	1,112	0.6	1,348	1.0	1,196	0.6	1,666	0.9	13,899	11.4	10,764	9.8	4,799	12.4	6,516	21.3
St. Paul, Minn.	3,751	2.1	3,956	3.1	55	0.1	54	0.2	156	0.2	176	0.4	3,459	6.3	3,570	7.7	66	2.3	145	7.3
San Francisco, Cal.	7,697	2.1	8,960	3.1	194	0.2	127	0.2	243	0.2	261	0.2	5,987	4.7	5,743	5.6	76	1.1	92	6.4
Seranton, Pa.	8,933	8.9	6,514	8.8	174	0.6	180	1.0	452	1.2	643	2.1	8,289	24.3	5,930	20.9	16	3.3	41	9.5
Seattle, Wash.	2,217	1.1	901	1.3	66	0.1	47	0.1	47	0.1	34	0.2	1,820	3.1	402	2.2	57	2.7	20	5.5
Spokane, Wash.	1,123	1.3	554	1.8	47	0.1	7	0.1	11	0.1	11	0.2	898	4.4	397	5.1	16	2.4	19	5.7
Syracuse, N. Y.	5,622	4.8	2,800	3.2	203	0.4	238	0.7	190	0.5	215	0.7	5,119	17.3	2,264	9.7	50	5.1	77	8.8
Toledo, Ohio.	3,869	2.8	3,863	3.7	462	0.8	461	1.2	281	0.6	357	1.0	2,990	9.6	2,879	10.6	71	4.3	155	10.5
Washington, D. C.	13,812	4.9	20,028	8.6	797	0.6	975	0.9	163	0.4	163	0.5	1,944	8.2	1,432	7.0	10,814	13.5	17,462	24.3
Worcester, Mass.	5,977	5.0	4,580	4.9	82	0.2	84	0.3	209	0.6	383	1.4	5,641	12.0	4,009	11.0	36	3.5	75	8.2

¹ Includes population of Allegheny for 1900.

ILLITERATES IN THE POPULATION 10 YEARS OF AGE AND OVER, AND ILLITERATE MALES 21 YEARS OF AGE AND OVER, IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910 AND 1900.

[Per cent not shown where base is less than 100.]

Table 34

CITY.	ILLITERATES IN THE POPULATION 10 YEARS OF AGE AND OVER.												ILLITERATES AMONG MALES 21 YEARS OF AGE AND OVER.			
	All classes.				Native white: 1910								1910		1900	
	1910		1900		Native parentage.		Foreign or mixed parentage.		Foreign-born white: 1910		Negro: 1910		Num-ber.	Per cent.	Num-ber.	Per cent.
	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.				
<b>Alabama</b>																
Mobile.....	5,195	12.3	6,493	20.8	162	1.0	17	0.3	97	4.5	4,913	25.9	1,748	11.6	2,191	20.6
Montgomery.....	4,223	13.4	6,478	26.7	131	1.0	1	0.1	30	4.4	4,059	23.1	1,267	11.7	1,790	23.0
<b>Arkansas</b>																
Little Rock.....	2,456	6.5	3,863	12.5	429	2.2	21	0.5	58	3.0	1,943	15.8	927	6.3	1,416	12.1
<b>California</b>																
Berkeley.....	475	1.4	.....	.....	5	(1)	13	0.1	394	5.3	8	3.8	250	2.0	61	1.6
Pasadena.....	319	1.2	.....	.....	56	0.3	22	0.4	159	3.8	38	6.0	160	1.7	57	2.1
Sacramento.....	554	1.4	847	3.4	36	0.2	20	0.2	373	4.3	24	5.5	264	1.4	548	5.0
San Diego.....	545	1.6	.....	.....	33	0.2	34	0.5	412	5.8	52	9.6	268	8.8	150	2.5
San Jose.....	781	3.2	.....	.....	44	0.4	28	0.4	638	11.2	4	2.5	371	3.8	364	5.5
<b>Colorado</b>																
Colorado Springs.....	221	0.9	.....	.....	38	0.2	10	0.2	105	3.6	65	6.9	91	1.0	48	0.7
Pueblo.....	2,023	5.6	1,209	5.4	188	0.9	46	0.7	1,629	20.0	137	16.6	1,192	7.1	693	6.8
<b>Connecticut</b>																
Hartford.....	4,000	5.0	3,511	5.4	54	0.2	71	0.3	3,818	12.6	70	4.8	1,566	5.0	1,484	5.6
Meriden town.....	1,088	4.2	.....	.....	11	0.2	36	0.4	1,035	11.3	3	2.7	431	4.6	369	4.5
Meriden city.....	958	4.5	.....	.....	8	0.1	80	0.4	917	11.7	8	2.7	568	4.6	515	4.5
New Britain.....	3,174	9.2	1,572	7.8	13	0.2	37	0.4	3,120	17.8	3	.....	1,272	9.1	668	8.3
Norwich town.....	1,528	6.6	.....	.....	32	0.4	50	0.7	1,371	16.9	67	12.3	593	7.2	579	8.2
Standford town.....	1,381	4.0	.....	.....	31	0.4	27	0.5	1,310	13.4	13	4.5	515	5.8	336	6.1
Standford city.....	2,289	6.5	.....	.....	17	0.5	24	0.6	1,247	16.1	11	5.9	478	6.2	309	6.7
Waterbury.....	3,557	6.2	2,036	5.7	25	0.2	68	0.4	3,429	13.9	32	5.2	1,643	7.2	923	6.8
<b>Delaware</b>																
Wilmington.....	4,689	6.6	5,051	8.2	219	0.6	101	0.7	2,905	21.8	1,457	18.7	2,191	8.0	2,170	9.4
<b>Florida</b>																
Jacksonville.....	3,829	7.9	3,204	14.1	81	0.4	5	0.2	81	3.3	3,654	14.7	1,366	7.9	992	12.1
Tampa.....	2,203	7.5	.....	.....	66	0.7	81	2.5	1,206	13.1	850	11.5	643	5.5	519	10.5
<b>Georgia</b>																
Augusta.....	3,718	10.9	6,879	21.7	563	3.5	12	0.7	30	3.4	3,110	19.9	1,182	9.9	2,032	19.6
Macon.....	3,411	10.3	.....	.....	403	2.4	4	0.4	66	10.0	2,938	19.6	1,148	9.9	1,339	22.0
Savannah.....	7,795	14.6	8,368	19.0	168	1.0	26	0.5	211	6.5	7,387	26.5	2,510	12.8	2,628	16.4
<b>Illinois</b>																
Aurora.....	494	2.0	.....	.....	23	0.2	22	0.3	427	6.5	22	8.8	245	2.5	326	4.6
Bloomington.....	290	1.2	.....	.....	62	0.5	18	0.3	120	3.6	60	8.8	103	1.3	251	3.7
Danville.....	544	2.4	.....	.....	219	1.4	36	0.9	115	5.8	166	13.5	227	2.7	203	4.0
Decatur.....	330	1.3	.....	.....	111	0.6	19	0.4	139	6.0	57	8.6	142	1.5	134	2.2
East St. Louis.....	2,614	5.5	1,560	6.7	156	0.7	80	0.8	1,660	18.3	715	14.6	1,493	7.1	700	7.1
Elgin.....	615	2.8	.....	.....	32	0.4	40	0.5	515	9.2	24	16.3	242	3.1	270	4.2
Joliet.....	1,619	5.8	1,465	6.4	19	0.3	40	0.4	1,514	14.9	46	10.6	964	8.4	728	8.2
Peoria.....	724	1.3	1,020	2.2	120	0.4	77	0.4	423	4.9	99	7.2	286	1.2	413	2.3
Quincy.....	552	1.8	1,111	3.8	106	0.7	62	0.5	188	5.2	191	13.7	198	1.7	391	3.8
Rockford.....	761	2.0	563	2.0	9	0.1	13	0.1	729	5.4	9	5.1	360	2.4	129	1.5
Springfield.....	1,981	4.7	1,214	4.4	195	0.9	88	0.8	1,340	20.1	350	13.9	897	5.6	465	4.7
<b>Indiana</b>																
Evansville.....	1,938	3.4	2,790	5.9	475	1.5	182	1.2	271	6.4	1,010	18.7	827	3.9	1,180	7.0
Fort Wayne.....	1,152	2.2	653	1.8	596	2.1	137	0.8	383	5.4	35	7.0	399	2.0	248	2.0
South Bend.....	1,495	3.2	1,197	4.3	111	0.6	69	0.6	1,201	9.4	18	3.5	605	3.7	538	5.2
Terre Haute.....	808	1.7	1,104	3.7	376	1.1	60	0.7	215	5.8	152	6.9	341	1.8	446	4.0
<b>Iowa</b>																
Cedar Rapids.....	389	1.4	434	2.1	53	0.4	29	0.4	295	5.7	12	6.5	169	1.6	114	1.5
Clinton.....	375	1.8	.....	.....	33	0.4	31	0.4	284	5.9	27	8.9	181	2.2	201	3.0
Council Bluffs.....	665	2.8	462	2.3	75	0.6	22	0.4	422	10.1	36	12.4	446	4.7	194	2.5
Davenport.....	382	1.1	489	1.7	29	0.2	36	0.3	261	3.3	56	11.4	165	1.2	164	1.6
Des Moines.....	1,395	2.0	1,003	2.0	254	0.6	72	0.5	852	8.4	217	3.8	598	2.2	445	2.4
Dubuque.....	275	0.9	335	1.8	34	0.2	44	0.3	206	3.4	1	.....	99	0.8	156	1.4
Sioux City.....	691	1.7	350	1.4	34	0.2	31	0.3	622	6.1	1	.....	365	2.2	117	1.2
Waterloo.....	311	1.4	.....	.....	39	0.3	19	0.3	250	9.5	3	.....	169	1.9	35	0.9
<b>Kansas</b>																
Kansas City.....	2,576	3.9	2,237	5.6	170	0.5	79	0.7	1,549	15.4	775	10.0	1,209	4.6	940	6.0
Topeka.....	955	2.6	1,101	4.0	95	0.4	28	0.5	417	10.4	395	10.4	408	2.9	445	4.6
Wichita.....	641	1.5	.....	.....	165	0.5	20	0.3	304	10.9	149	7.3	372	2.1	123	1.7
<b>Kentucky</b>																
Covington.....	1,077	2.5	1,526	4.5	253	1.1	94	0.7	209	5.3	520	20.7	434	2.8	594	5.1
Lexington.....	3,766	12.5	3,128	14.1	923	5.2	11	0.6	87	9.4	2,743	28.6	1,646	14.9	1,095	14.2
Newport.....	452	1.8	641	2.8	107	0.9	60	0.6	227	6.8	58	12.2	165	1.9	212	2.8
<b>Louisiana</b>																
Shreveport.....	3,604	15.8	.....	.....	54	0.6	6	0.5	172	17.6	3,362	29.7	1,116	12.9	977	20.8
<b>Maine</b>																
Lewiston.....	1,777	8.4	.....	.....	43	0.6	203	3.7	1,523	17.1	6	.....	798	11.0	1,038	16.5
Portland.....	1,393	2.8	1,591	3.8	48	0.2	40	0.4	1,291	11.0	7	2.9	588	2.2	597	3.9

ILLITERATES IN THE POPULATION 10 YEARS OF AGE AND OVER, AND ILLITERATE MALES 21 YEARS OF AGE AND OVER, IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910 AND 1900—Continued.

[Per cent not shown where base is less than 100.]

Table 34—Continued.

CITY.	ILLITERATES IN THE POPULATION 10 YEARS OF AGE AND OVER.																ILLITERATES AMONG MALES 21 YEARS OF AGE AND OVER.			
	All classes.				Native white: 1910								Negro: 1910				1910		1900	
	1910		1900		Native parentage.		Foreign or mixed parentage.		Foreign-born white: 1910		Negro: 1910		1910		1900		Num-ber.	Per cent.		
	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.	Num-ber.	Per cent.				
Massachusetts																				
Brookton.....	1,222	2.6	1,033	3.2	28	0.1	30	0.2	1,141	7.6	16	3.8	543	3.0	424	3.4				
Brookline town.....	240	1.0			7	0.1	12	0.2	217	2.6	1	0.5	76	1.0	62	1.2				
Chelsea.....	2,065	8.1	1,329	4.9	26	0.4	26	0.4	2,018	15.5	9	4.4	790	7.8	488	4.8				
Chicago.....	1,356	7.0			8	0.2	47	0.8	1,300	13.4			599	8.5	1,062	10.4				
Everett.....	433	1.6			10	0.1	18	0.2	387	4.1	17	2.7	181	1.9	126	1.8				
Fitchburg.....	1,897	6.3	1,610	6.5	26	0.3	94	1.1	1,773	13.4			876	7.6	699	7.7				
Haverhill.....	1,444	4.0	1,540	5.1	34	0.2	49	0.6	1,342	12.3	16	4.8	649	4.8	576	5.2				
Holyoke.....	3,108	6.8	4,061	11.4	35	0.5	155	0.9	2,912	13.0	1		1,305	8.4	1,508	12.8				
Lawrence.....	9,067	13.2	4,191	8.4	35	0.4	179	0.9	8,778	22.2	62	27.7	3,852	14.8	1,601	9.0				
Lynn.....	2,261	3.0	1,540	2.7	49	0.2	63	0.3	2,102	7.9	36	6.2	1,000	3.4	587	2.7				
Malden.....	774	2.2	664	2.4	13	0.1	15	0.1	709	5.4	30	7.9	225	1.8	226	2.4				
New Bedford.....	9,340	12.1	6,055	12.2	90	0.6	297	1.6	8,423	20.8	532	23.7	4,065	14.5	2,264	13.2				
Newton.....	1,231	3.7	832	3.0	17	0.1	14	0.2	1,159	10.5	35	8.9	572	4.3	344	3.7				
Pittsfield.....	963	3.6			19	0.2	51	0.6	882	13.5	8	3.1	447	4.4	300	4.8				
Quincy.....	621	2.4			13	0.2	30	0.4	572	5.5	1		280	2.9	262	3.8				
Salem.....	2,083	6.0	2,121	7.4	21	0.2	84	0.8	1,961	15.0	4	2.8	1,015	8.0	861	8.5				
Somerville.....	1,232	1.9	1,318	2.7	20	0.1	27	0.1	1,163	5.7	12	6.6	538	2.4	490	2.7				
Springfield.....	3,311	4.5	2,127	4.2	75	0.3	156	0.8	3,015	13.5	58	4.6	1,434	5.2	874	4.7				
Taunton.....	2,601	9.4	1,788	7.1	89	0.9	101	1.2	2,337	24.6	72	33.3	1,267	12.4	758	8.2				
Waltham.....	773	3.3			121	1.4	106	1.5	537	7.2	6		279	3.5	333	5.0				
Michigan																				
Battle Creek.....	136	0.6			39	0.3	9	0.2	68	2.7	20	4.1	72	0.9	36	0.6				
Bay City.....	1,269	3.6	1,265	5.9	75	0.9	232	1.5	957	8.9	5	3.7	569	4.5	543	7.5				
Flint.....	381	1.2			54	0.3	16	0.2	303	4.8	3	0.9	239	1.6	73	1.8				
Jackson.....	568	2.1	366	1.7	42	0.3	22	0.3	409	11.1	28	8.7	320	3.0	173	2.1				
Kalamazoo.....	597	1.8			129	0.7	63	0.8	372	5.7	29	5.0	266	2.1	169	2.3				
Lansing.....	403	1.5			37	0.2	27	0.4	318	8.2	21	7.0	205	1.9	165	3.5				
Saginaw.....	1,267	3.1	1,028	3.0	65	0.5	113	0.7	1,071	9.4	16	5.7	549	3.6	410	3.5				
Minnesota																				
Duluth.....	1,720	2.7	1,495	3.7	27	0.2	59	0.3	1,625	5.4	3	0.8	948	3.2	721	3.8				
Missouri																				
Joplin.....	435	1.7	516	2.5	306	1.4	20	0.9	26	2.9	82	11.7	159	1.6	195	2.3				
St. Joseph.....	1,534	2.4	1,742	2.1	403	1.0	86	0.7	561	7.1	48	12.9	727	2.8	712	2.1				
Springfield.....	689	2.4			391	1.7	22	0.7	27	2.4	248	14.9	265	2.5	267	4.1				
Montana																				
Butte.....	547	1.7	592	2.4	12	0.1	22	0.2	469	3.7	10	4.5	268	1.7	339	2.5				
Nebraska																				
Lincoln.....	1,298	3.6	607	1.9	65	0.3	29	0.3	1,177	17.5	36	5.6	458	3.3	207	1.7				
South Omaha.....	1,085	5.3	475	2.4	16	0.3	20	0.3	1,001	13.3	46	7.6	680	7.3	205	2.1				
New Hampshire																				
Manchester.....	3,374	5.9	4,055	8.9	41	0.3	186	1.2	3,145	11.1	1		1,434	7.3	1,593	10.3				
Nashua.....	1,447	6.8			30	0.4	64	1.2	1,353	15.7			620	8.0	982	14.6				
New Jersey																				
Atlantic City.....	1,767	4.5	1,145	4.9	115	0.6	29	0.5	936	15.1	670	7.6	748	4.8	455	4.9				
Bayonne.....	3,757	9.1	2,092	8.7	20	0.3	63	0.5	3,634	18.4	34	7.8	1,852	11.3	919	9.9				
Camden.....	3,314	4.4	2,414	4.0	249	0.6	109	0.7	2,241	14.7	701	14.0	1,478	5.1	967	4.3				
East Orange.....	367	1.3			21	0.1	18	0.3	210	3.7	117	7.4	108	1.1	92	1.6				
Elizabeth.....	3,943	6.9	2,542	6.4	50	0.3	103	0.6	3,686	16.0	95	8.4	1,937	8.6	1,274	8.4				
Hoboken.....	2,543	4.5	1,607	3.5	14	0.1	95	0.5	2,420	9.1	1	0.9	1,106	5.0	598	3.5				
Orange.....	1,535	6.6			19	0.3	49	0.7	1,311	16.6	155	7.6	654	7.7	650	9.8				
Passaic.....	6,684	15.8	3,225	14.9	20	0.4	84	1.0	6,523	23.8	54	11.9	2,241	15.0	1,011	13.3				
Perth Amboy.....	2,368	9.9			9	0.2	37	0.6	2,313	16.8	9	7.0	1,161	11.6	910	15.7				
Trenton.....	4,633	5.9	3,855	6.6	296	0.9	199	1.0	3,879	15.3	244	10.7	2,187	7.0	1,698	7.7				
West Hoboken town.....	678	2.4			7	0.2	28	0.3	633	4.8	3		222	2.2	114	1.8				
New York																				
Amsterdam.....	2,654	10.3			29	0.3	30	0.5	2,589	25.0	4		1,164	12.3	403	6.7				
Albany.....	1,322	4.5			21	0.2	38	0.4	1,250	16.8	13	2.9	615	5.1	326	3.2				
Binghamton.....	1,151	2.8	712	2.1	111	0.4	29	0.4	990	13.8	21	3.7	435	2.8	264	2.2				
Elmira.....	792	2.5	942	3.1	51	0.3	34	0.4	661	12.8	44	9.5	345	2.9	387	3.4				
Jamestown.....	684	2.6			11	0.1	14	0.2	658	6.4	1		316	3.2	62	0.9				
Kingston.....	924	4.3			93	0.8	56	0.9	730	22.0	45	9.0	403	5.3	491	7.2				
Mount Vernon.....	1,015	4.1			7	0.1	12	0.2	950	12.3	46	6.1	432	4.9	406	7.1				
New Rochelle.....	1,505	6.5			16	0.2	14	0.2	1,333	15.8	134	9.3	707	7.9	1,398	8.9				
Newburgh.....	691	3.0			29	0.3	30	0.4	611	12.9	19	3.6	300	3.5	205	2.9				
Niagara Falls.....	1,425	5.8			16	0.3	13	0.2	1,370	11.8	25	10.5	825	8.0	410	6.3				
Poughkeepsie.....	649	2.8			54	0.4	33	0.6	543	12.3	19	3.2	264	3.0	278	3.9				
Schenectady.....	3,793	5.4	1,265	4.9	68	0.3	81	0.6	2,968	16.5	8	3.3	1,084	6.7	656	5.9				
Troy.....	1,279	2.0	2,301	4.6	68	0.3	110	0.5	1,074	7.1	26	4.5	475	2.1	895	5.3				
Utica.....	5,044	8.2	2,471	5.4	88	0.4	112	0.6	4,847	16.4	29	6.2	2,187	9.6	1,416	7.7				
Watertown.....	1,637	4.6			76	0.7	88	1.6	569	14.4	4		589	6.9	304	4.5				
Yonkers.....	5,311	8.4	1,698	4.6	34	0.2	70	0.4	5,097	19.7	90	7.0	2,491	10.6	709	5.3				
North Carolina																				
Charlotte.....	2,655	10.1			378	2.3	3	0.7	23	5.2	2,269	21.4	848	9.4	700	15.4				
Wilmington.....	3,061	14.9			302	3.1	11	1.7	27	6.2	2,717	28.2	937	13.1	968	18.0				



ILLITERATES IN THE POPULATION 10 YEARS OF AGE AND OVER, AND ILLITERATE MALES 21 YEARS OF AGE AND OVER, IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS: 1910 AND 1900—Continued.

[Per cent not shown where base is less than 100.]

Table 34—Continued.

CITY.	ILLITERATES IN THE POPULATION 10 YEARS OF AGE AND OVER.																ILLITERATES AMONG MALES 21 YEARS OF AGE AND OVER.			
	All classes.				Native white: 1910								Negro: 1910				1910		1900	
	1910		1900		Native parentage.		Foreign or mixed parentage.		Foreign-born white: 1910						1910		1900			
	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.		
Ohio																				
Akron.....	1,706	3.0	719	2.1	115	0.4	53	0.4	1,487	11.6	50	8.9	933	3.9	285	2.3				
Canton.....	1,431	3.4	462	1.9	79	0.3	52	0.6	1,292	15.4	5	2.0	836	3.1	168	1.9				
Hamilton.....	386	1.3			116	0.9	21	0.3	155	4.8	62	10.2	181	1.7	132	1.8				
Lima.....	368	1.5			175	0.9	24	0.6	123	7.8	45	5.6	186	2.0	164	2.5				
Lorain.....	1,228	6.6			7	0.1	14	0.3	1,200	11.5	7	2.3	709	7.0	207	3.6				
Newark.....	265	1.3			80	0.5	14	0.4	148	7.4	21	7.1	137	1.6	162	3.0				
Springfield.....	827	2.1	1,239	3.9	139	0.6	33	0.4	302	9.7	352	8.5	409	2.6	543	4.6				
Youngstown.....	4,513	7.1	2,759	7.9	55	0.3	88	0.5	4,272	17.8	94	5.8	2,332	9.0	1,426	10.5				
Zanesville.....	507	2.2			156	0.9	35	0.9	216	13.7	98	8.7	238	2.7	181	2.6				
Oklahoma																				
Muskogee.....	870	4.2			84	0.7	3	0.2	16	3.0	763	12.1	343	3.9	127	9.6				
Oklahoma City.....	735	1.4			100	0.3	15	0.3	245	7.7	363	6.7	381	1.5	97	2.7				
Pennsylvania																				
Allentown.....	1,241	3.0	1,059	3.7	298	1.0	36	0.7	994	14.9	3	2.6	374	2.5	327	3.2				
Altoona.....	1,307	3.1	628	2.1	240	0.8	59	0.9	990	19.8	15	3.8	611	3.9	252	2.3				
Chester.....	2,085	6.6	1,869	6.9	89	0.6	49	0.7	1,392	21.5	532	13.8	1,124	9.1	851	8.4				
Easton.....	609	2.6	459	2.2	132	0.8	34	0.9	433	14.4	9	3.8	213	2.4	149	2.0				
Erie.....	1,979	3.7	1,270	3.1	63	0.3	101	0.5	1,796	12.4	18	6.0	1,054	5.2	623	4.0				
Harrisburg.....	1,338	2.5	1,463	3.6	34	0.8	52	1.1	499	12.6	444	11.5	586	2.9	580	3.9				
Hazleton.....	1,913	10.0			67	1.1	145	2.0	1,700	29.1	1		758	11.3	286	7.8				
Johnstown.....	3,912	9.0	2,533	9.3	180	0.9	112	1.3	3,591	24.4	19	5.0	2,504	13.3	1,502	13.7				
Lancaster.....	666	1.7	798	2.4	270	0.9	72	1.1	230	7.3	92	13.1	276	2.0	281	2.5				
McKeesport.....	1,336	4.1	1,918	7.6	49	0.5	34	0.4	1,210	9.9	43	6.7	628	4.9	1,017	10.4				
New Castle.....	1,834	6.4	861	3.9	70	0.5	32	0.6	1,678	20.1	48	10.8	1,048	8.9	475	5.4				
Norristown borough.....	2,037	8.8			529	3.7	216	4.9	1,183	30.5	128	15.8	837	9.7	259	3.9				
Pottsville.....	2,367	3.0	2,555	4.1	658	1.1	85	1.0	1,599	18.8	23	3.4	1,075	3.7	989	4.4				
Shenandoah borough.....	4,445	23.7			76	2.5	137	2.5	4,231	41.6	1		2,296	28.6	2,417	37.5				
Wilkes-Barre.....	3,609	6.9	2,438	6.2	122	0.7	180	1.0	3,261	20.9	46	8.1	1,630	8.6	995	7.3				
Williamsport.....	364	1.4	625	2.7	111	0.6	20	0.4	178	7.8	55	7.0	106	1.8	244	3.1				
York.....	1,000	2.7	949	3.5	640	2.1	64	2.2	181	11.7	115	11.6	494	4.0	340	3.6				
Rhode Island																				
Newport.....	653	2.9			17	0.2	24	0.3	532	8.6	78	5.8	306	3.5	245	3.6				
Pawtucket.....	2,255	5.4	1,947	6.2	68	0.7	213	1.4	1,957	11.3	11	5.8	841	5.6	681	6.1				
Warwick town.....	2,244	10.6			60	1.0	283	4.5	1,888	21.8	13	9.0	960	12.6	976	16.5				
Woonsocket.....	2,703	9.1	3,384	15.6	37	0.9	285	2.8	2,379	15.3	2		1,244	11.9	1,388	18.9				
South Carolina																				
Charleston.....	7,326	15.3	7,763	17.4	173	1.1	12	0.3	150	6.3	6,988	27.9	2,256	14.0	2,259	15.9				
Columbia.....	3,723	17.4			626	5.7	11	2.1	36	8.4	3,050	32.2	1,234	16.2	1,117	18.8				
Tennessee																				
Chattanooga.....	3,665	9.9	3,816	15.5	467	2.5	8	0.4	85	6.6	3,104	20.7	1,440	10.1	1,347	14.7				
Knoxville.....	1,942	6.5	3,040	11.6	960	4.5	13	0.9	36	4.7	932	14.2	634	6.0	833	10.3				
Texas																				
Austin.....	1,904	7.8			333	2.6	82	2.6	356	14.8	1,131	18.8	750	8.7	598	9.6				
Dallas.....	5,042	4.0	2,477	7.2	329	0.7	31	0.4	310	6.1	2,370	15.4	1,130	3.8	849	6.6				
El Paso.....	4,085	13.3			208	2.2	237	5.3	3,432	27.0	116	9.5	1,348	11.4	912	18.1				
Fort Worth.....	2,280	3.8	1,113	5.3	268	0.7	45	1.0	637	15.6	1,329	12.0	1,104	4.4	352	4.2				
Galveston.....	1,550	5.1	2,250	7.5	70	0.7	82	1.0	519	8.7	845	12.2	698	5.5	729	6.6				
Houston.....	4,161	6.4	4,137	11.4	177	0.6	115	1.2	549	8.9	3,113	16.4	1,523	5.9	1,399	10.1				
San Antonio.....	7,788	10.1	4,244	10.2	918	2.7	1,304	7.3	4,387	27.0	1,174	13.2	2,621	9.4	1,985	9.6				
Waco.....	1,075	5.1			79	0.6	13	0.7	128	10.1	844	16.8	383	5.2	527	9.3				
Utah																				
Ogden.....	299	1.5			20	0.2	19	0.3	214	5.0	5	2.7	149	1.9	86	2.1				
Salt Lake City.....	1,148	1.6	649	1.6	69	0.3	62	0.2	809	4.4	31	4.6	575	2.0	253	1.9				
Virginia																				
Lynchburg.....	2,185	9.3			161	1.1	5	0.8	64	14.5	1,964	25.3	729	9.3	830	18.0				
Norfolk.....	4,966	9.0	6,925	18.4	368	1.3	12	0.4	426	12.5	4,148	19.7	1,790	8.6	2,440	17.5				
Portsmouth.....	2,617	9.8			151	1.0	9	0.5	135	12.5	2,317	24.5	900	8.5	646	12.0				
Roanoke.....	1,911	6.9			400	2.0	7	0.9	52	7.0	1,451	22.7	730	7.2	455	7.9				
Washington																				
Tacoma.....	1,255	1.8	874	2.9	36	0.1	29	0.2	1,080	5.2	25	3.6	696	2.1	522	3.7				
West Virginia																				
Huntington.....	1,271	5.1			981	4.6	16	1.6	23	4.6	240	13.3	525	5.6	248	7.3				
Wheeling.....	1,082	3.2	1,174	3.8	157	0.9	93	0.9	735	13.8	95	9.0	509	4.0	455	4.1				
Wisconsin																				
Green Bay.....	1,123	5.7			72	1.3	365	3.6	676	16.9	2		524	7.6	403	8.5				
La Crosse.....	637	2.5	510	2.3	14	0.2	50	0.4	571	9.5	2		256	2.9	183	2.4				
Madison.....	343	1.6			4	(1)	15	0.2	305	7.5	6	5.2	172	2.2	78	1.4				
Oshkosh.....	714	2.7			26	0.2	69	0.9	668	9.9	3		321	3.4	253	3.4				
Racine.....	1,127	3.6	960	4.3	3	0.1	36	0.3	1,084	8.9	4	3.9	586	4.7	358	4.3				
Superior.....	672	3.2			4	0.1	35	0.4	633	7.6			304	3.9	398	6.6				
Wausau.....	850	2.7	778	3.3	10	0.1	31	0.3	789	5.9	2	1.2	479	3.1	403	3.1				

## ILLITERATE CHILDREN 10 TO 14 YEARS OF AGE.

**United States as a whole.**—The extent of illiteracy in the age group comprising children from 10 to 14 years old, inclusive, is of special significance, inasmuch as it foreshadows the proportion of illiteracy that may be expected for the whole native population in the future, if educational conditions remain unchanged. Moreover, a comparison of the figures for this age group as reported for 1910 and for 1900 will indicate, more clearly than any comparison of figures relating to the population as a whole, the changes which have taken place during the decade in the efficiency of the country's educational system. Comparative statistics of illiteracy among children from 10 to 14 years of age for 1910 and 1900 are given in Table 35.

CLASS OF POPULATION.	CHILDREN 10 TO 14 YEARS OF AGE, INCLUSIVE.					
	1910			1900		
	Total	Illiterate.		Total.	Illiterate.	
		Number.	Per cent.		Number.	Per cent.
Total.....	9,107,140	370,136	4.1	8,080,234	577,649	7.1
White.....	7,918,408	144,675	1.8	6,959,238	240,580	3.5
Native.....	7,560,078	131,991	1.7	6,647,673	223,208	3.4
Native parentage.....	5,324,283	117,973	2.2	4,660,390	205,735	4.4
Foreign or mixed parentage.....	2,235,795	14,018	0.6	1,987,283	17,473	0.9
Foreign born.....	358,330	12,684	3.5	311,565	17,372	5.6
Negro.....	1,155,266	218,555	18.9	1,091,990	328,992	30.1

The percentage of illiteracy for children from 10 to 14 years of age declined from 7.1 in 1900 to 4.1 in 1910. The greatest relative change was among the native whites of native parentage, where the proportion of illiterates among children of this age group in 1910 was only half as great as in 1900. There was also a noteworthy diminution in the proportion for the foreign-born whites. Among the negroes the percentage of illiteracy for children 10 to 14 years of age

was still very high in 1910, being 18.9, but even this figure represented a notable reduction as compared with the percentage in 1900.

**Divisions and states.**—Table 36 gives, by divisions, the total population from 10 to 14 years of age, with the number and percentage illiterate, classified according to color or race, nativity, and parentage, for 1910, and the percentage of illiteracy for 1900.

In each of the four northern divisions and in the Pacific division less than 1 per cent of the children in this age group in 1910 were illiterate, the minimum percentage, 0.3, being in the East North Central division. In the three southern divisions taken together one-tenth of the children from 10 to 14 years of age were unable to write. In the Mountain division the percentage of illiteracy for this age group was smaller than in any of the southern divisions, but considerably larger than in the Pacific division. For native whites, both of native and of foreign or mixed parentage, the percentage of illiterates among children from 10 to 14 years of age was very small except in the South. The percentages for foreign-born whites were somewhat higher than for either class of the native whites in all of the divisions, and conspicuously so in the West South Central division. So far as the negro children were concerned, there was comparatively little difference in the northern and western divisions between the proportion of illiterates in this group and that among the native whites. On the other hand, the percentages of illiteracy for negro children in the southern divisions were conspicuously larger than the percentages for the white children.

A comparison of the figures shown for 1910 with those for 1900 indicates that there was in general a considerable diminution during the decade in the percentage of illiteracy among children from 10 to 14 years of age; indeed, in a great many cases the percentage in 1910 was less than half what it was in 1900.

Table 37 gives, by states, the population 10 to 14 years of age, with the number and percentage illiterate.

Table 36	CHILDREN 10 TO 14 YEARS OF AGE, INCLUSIVE.																					
DIVISION.	All classes.						Native white.						Foreign-born white.						Negro.			
	Illiterate.				Total:		Native parentage.				Total:		Foreign or mixed parentage.				Total:		Illiterate.		Total:	
	Per cent.		Number:		Total:		Per cent.		Number:		Total:		Per cent.		Number:		Total:		Per cent.		Number:	
	1910		1910		1910		1910		1910		1910		1910		1910		1910		1910		1910	
	1910		1900		1910		1910		1910		1910		1910		1910		1910		1910		1910	
	1910		1900		1910		1910		1910		1910		1910		1910		1910		1910		1910	
United States.....	9,107,140	370,136	4.1	7.1	5,324,283	117,973	2.2	4.4	2,235,795	14,018	0.6	0.9	358,330	12,684	3.5	5.6	1,155,266	218,555	18.9	30.1		
New England.....	559,556	1,970	0.4	1.0	222,923	510	0.2	0.4	277,105	605	0.2	0.5	54,181	830	1.5	5.0	5,092	18	0.4	4.0		
Middle Atlantic.....	1,726,086	7,313	0.4	0.9	802,310	2,025	0.2	0.4	675,339	1,731	0.3	0.5	137,894	3,226	2.0	5.8	29,648	297	1.6	2.0		
East North Central.....	1,706,759	5,327	0.3	0.7	1,039,168	2,920	0.3	0.6	576,779	1,685	0.2	0.5	65,327	773	1.2	2.1	23,184	270	1.2	2.4		
West North Central.....	1,170,674	6,697	0.6	1.4	722,854	3,687	0.5	1.0	393,447	953	0.2	0.5	29,230	772	2.6	3.1	20,281	732	3.0	7.7		
South Atlantic.....	1,396,058	140,007	10.0	17.8	850,589	11,708	5.0	9.9	42,832	349	0.8	1.4	8,259	437	5.5	7.7	513,259	57,196	18.9	31.3		
East South Central.....	969,343	103,265	10.7	18.2	629,084	30,511	5.8	10.7	17,025	157	0.9	1.4	1,812	206	11.4	8.6	320,476	66,200	20.7	33.1		
West South Central.....	1,016,531	95,759	9.4	16.1	679,642	27,678	4.1	9.1	71,802	8,041	11.2	11.4	15,016	5,190	34.6	36.2	240,265	53,803	24.2	32.7		
Mountain.....	239,610	8,228	3.4	5.4	149,849	2,551	1.7	4.3	69,816	718	1.0	1.5	10,452	832	8.3	7.8	1,286	20	1.6	1.0		
Pacific.....	322,323	1,542	0.5	0.8	187,264	273	0.1	0.3	111,640	279	0.2	0.4	16,559	418	2.5	2.8	1,795	19	0.6	2.8		

ILLITERATES AMONG CHILDREN 10 TO 14 YEARS OF AGE, INCLUSIVE, BY DIVISIONS AND STATES: 1910 AND 1900.

Table 37	DIVISION AND STATE.	1910			1900			DIVISION AND STATE.	1910			1900		
		Illiterate.			Illiterate.				Illiterate.			Illiterate.		
		Total.	Num-ber.	Per cent.	Total.	Num-ber.	Per cent.		Total.	Num-ber.	Per cent.	Total.	Num-ber.	Per cent.
	United States .....	9,107,140	370,136	4.1	8,080,234	577,649	7.1							
GEOGRAPHIC DIVISIONS:														
	New England.....	559,556	1,970	0.4	465,807	4,773	1.0							
	Middle Atlantic.....	1,726,086	7,313	0.4	1,442,376	13,135	0.9							
	East North Central.....	1,706,759	5,327	0.3	1,654,278	10,977	0.7							
	West North Central.....	1,170,674	6,697	0.6	1,151,704	16,506	1.4							
	South Atlantic.....	1,386,028	140,607	10.0	1,247,791	221,977	17.8							
	East South Central.....	969,343	103,263	10.7	922,176	168,028	18.2							
	West South Central.....	1,016,531	95,759	9.4	816,211	131,621	16.1							
	Mountain.....	239,610	8,228	3.4	163,371	8,838	5.4							
	Pacific.....	322,523	1,542	0.5	216,520	1,794	0.8							
NEW ENGLAND:														
	Maine.....	64,588	493	0.8	60,307	1,255	2.1							
	New Hampshire.....	36,271	123	0.3	32,807	557	1.7							
	Vermont.....	31,451	105	0.3	30,179	287	1.0							
	Massachusetts.....	284,960	697	0.2	229,330	1,547	0.7							
	Rhode Island.....	47,014	290	0.6	36,739	691	1.9							
	Connecticut.....	95,272	262	0.3	76,355	436	0.6							
MIDDLE ATLANTIC:														
	New York.....	785,826	2,619	0.3	643,788	4,740	0.7							
	New Jersey.....	228,685	1,163	0.5	174,347	2,069	1.2							
	Pennsylvania.....	711,565	3,531	0.5	624,241	6,326	1.0							
EAST NORTH CENTRAL:														
	Ohio.....	425,602	1,394	0.3	414,847	2,048	0.5							
	Indiana.....	255,568	714	0.3	264,822	1,453	0.5							
	Illinois.....	520,955	1,805	0.3	494,890	4,044	0.8							
	Michigan.....	258,490	758	0.3	247,617	1,714	0.7							
	Wisconsin.....	246,154	746	0.3	232,112	1,688	0.7							
WEST NORTH CENTRAL:														
	Minnesota.....	214,402	565	0.3	192,064	1,365	0.7							
	Iowa.....	222,577	536	0.2	239,549	883	0.4							
	Missouri.....	324,191	3,744	1.2	347,265	11,660	3.4							
	North Dakota.....	59,392	705	1.2	35,567	836	2.4							
	South Dakota.....	60,021	394	0.7	47,299	472	1.0							
	Nebraska.....	121,782	310	0.3	121,743	412	0.3							
	Kansas.....	168,309	443	0.3	168,277	875	0.5							
SOUTH ATLANTIC:														
	Delaware.....	19,308	293	1.5	18,746	845	4.5							
	Maryland.....	129,065	3,257	2.5	126,217	5,859	4.6							
	District of Columbia.....	24,649	93	0.4	22,734	398	1.8							
	Virginia.....	237,663	21,917	9.2	229,837	34,612	15.7							
	West Virginia.....	131,627	3,491	2.7	119,729	5,819	5.3							
	North Carolina.....	235,964	26,955	10.1	235,325	51,190	21.8							
	South Carolina.....	192,496	32,858	17.1	174,363	51,536	29.6							
	Georgia.....	315,217	42,803	13.6	277,865	63,329	22.8							
	Florida.....	80,319	8,282	10.3	69,975	8,389	13.8							
EAST SOUTH CENTRAL:														
	Kentucky.....	252,905	15,233	6.0	251,653	21,247	8.4							
	Tennessee.....	243,328	18,285	7.5	243,773	36,375	14.9							
	Alabama.....	253,196	41,537	16.4	228,685	66,072	28.9							
	Mississippi.....	219,914	28,238	12.8	198,065	44,334	22.4							
WEST SOUTH CENTRAL:														
	Arkansas.....	179,879	14,830	8.2	166,481	20,972	16.2							
	Louisiana.....	193,791	47,734	24.6	169,385	55,691	32.9							
	Oklahoma.....	186,069	4,531	2.4	171,688	14,467	13.9							
	Texas.....	456,792	28,674	6.3	383,177	35,491	9.3							
MOUNTAIN:														
	Montana.....	29,686	398	1.3	19,397	374	1.9							
	Idaho.....	31,902	112	0.4	16,982	269	1.2							
	Wyoming.....	10,829	57	0.5	7,843	72	0.9							
	Colorado.....	69,688	665	0.9	48,871	742	1.5							
	New Mexico.....	34,408	3,824	11.1	21,849	4,354	19.5							
	Arizona.....	18,091	2,750	15.2	11,671	2,592	22.2							
	Utah.....	40,070	269	0.7	33,370	220	0.7							
	Nevada.....	4,936	213	4.3	3,388	275	8.1							
PACIFIC:														
	Washington.....	92,802	332	0.4	48,233	340	0.7							
	Oregon.....	55,776	112	0.2	41,398	175	0.4							
	California.....	173,945	1,098	0.6	126,889	1,279	1.0							

1 Includes population of Indian Territory for 1900.

## MALES 21 YEARS OF AGE AND OVER.

**United States as a whole.**—By reason of the political privileges which appertain to males 21 years of age and over a peculiar interest attaches to the proportion of illiterates in this class of the population, which is shown in Table 38.

Table 38	MALES 21 YEARS OF AGE AND OVER.					
	Total.		Number illiterate.		Per cent illiterate.	
	1910	1900	1910	1900	1910	1900
<b>Total</b> .....	<b>26,999,151</b>	<b>21,134,299</b>	<b>2,273,603</b>	<b>2,288,470</b>	<b>8.4</b>	<b>10.8</b>
<b>White</b> .....	<b>24,357,514</b>	<b>18,918,697</b>	<b>1,406,364</b>	<b>1,249,897</b>	<b>5.8</b>	<b>6.6</b>
Native.....	17,774,427	14,417,427	857,581	857,581	3.5	4.9
Native parentage.....	13,211,731	10,569,743	557,042	618,696	4.2	5.9
Foreign or mixed parentage.....	4,498,966	3,444,684	60,691	68,975	1.3	2.0
Foreign born.....	6,046,817	4,904,279	788,631	562,316	11.9	11.5
<b>Negro</b> .....	<b>2,438,873</b>	<b>2,060,302</b>	<b>819,135</b>	<b>976,610</b>	<b>33.3</b>	<b>47.4</b>
Indian.....	62,967	57,077	32,603	36,334	51.8	63.7
Chinese.....	60,421	31,018	9,452	22,476	15.6	72.7
Japanese.....	56,638	17,205	4,928	3,153	8.7	18.3
All other.....	2,738		1,121		40.9	

The percentage of illiteracy for the total male population 21 years of age and over in 1910 was 8.4. For the native whites of native parentage the percentage was 4.2, for the native whites of foreign or mixed parentage 1.3, for the foreign-born whites 11.9, and for the negroes 33.3. In the total population, and in every class except the foreign-born whites, the percentage of illiteracy among males 21 years of age and over was less in 1910 than in 1900.

**Divisions and states.**—The number and percentage of illiterate males 21 years of age and over in the principal color or race, nativity, and parentage groups is shown by divisions and states in Table 39.

In the total number of males 21 years of age and over the percentage of illiteracy was lowest in the West North Central division and highest in the East South Central division. The three southern divisions, which contain large numbers of negroes, had much higher proportions of illiterates among males 21 years of age and over than the northern and western divisions.

A comparison of the figures for 1910 with those for 1900 shows that, except in the Middle Atlantic division, where the proportion of illiterates remained the same, and the New England division, which shows a comparatively small decrease, there was generally throughout the United States a considerable decrease during the decade in the percentage of illiterates among males 21 years of age and over. The exceptional situation in New England and the Middle Atlantic division is due to the fact that these divisions have received a great part of the recent immigrants to the United States.

**Principal cities.**—Table 40 gives figures showing the number and percentage of illiterates among males 21 years of age and over in cities having 100,000 inhabitants or more, similar information in condensed form being given in Table 34 for cities having 25,000 to 100,000 inhabitants.

## ILLITERATE MALES 21 YEARS OF AGE AND OVER, BY DIVISIONS AND STATES: 1910.

Table 39

DIVISION AND STATE.	ALL CLASSES.				NATIVE WHITE: 1910				FOREIGN-BORN WHITE: 1910		NEGRO: 1910	
	1910		1900		Native parentage.		Foreign or mixed parentage.		Number.	Per cent.	Number.	Per cent.
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.				
<b>United States</b> .....	<b>2,273,603</b>	<b>8.4</b>	<b>2,288,470</b>	<b>10.8</b>	<b>557,042</b>	<b>4.2</b>	<b>60,691</b>	<b>1.3</b>	<b>788,631</b>	<b>11.9</b>	<b>818,135</b>	<b>32.3</b>
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	127,449	6.3	117,144	6.9	8,398	1.0	7,622	2.0	108,853	13.7	1,967	8.9
Middle Atlantic.....	401,098	6.8	308,291	6.8	34,360	1.5	12,514	1.1	340,642	15.0	11,826	8.5
East North Central.....	241,755	4.3	236,561	5.1	53,185	2.3	16,669	1.3	150,136	9.5	13,285	12.4
West North Central.....	123,369	3.5	130,663	4.5	35,518	2.3	7,651	0.9	58,309	6.7	13,468	16.2
South Atlantic.....	549,246	17.6	611,631	24.5	166,364	9.0	1,672	1.4	19,659	13.0	351,220	36.8
East South Central.....	406,530	19.4	466,085	26.0	148,311	11.1	1,482	2.1	3,631	7.8	252,677	39.3
West South Central.....	310,191	13.7	320,936	20.3	86,421	6.0	9,353	6.0	36,251	21.1	173,284	35.4
Mountain.....	63,138	6.9	50,011	8.9	12,195	2.8	2,089	1.2	31,203	12.1	707	7.9
Pacific.....	59,827	3.7	47,098	5.3	3,290	0.5	1,639	0.6	39,947	7.9	701	5.8
<b>NEW ENGLAND:</b>												
Maine.....	13,070	5.5	13,952	6.4	3,149	2.0	2,073	7.8	7,676	15.8	55	11.6
New Hampshire.....	8,413	6.2	10,295	7.9	850	1.1	609	3.4	6,909	16.5	29	14.5
Vermont.....	6,039	5.3	8,544	7.9	1,331	1.9	1,230	6.4	3,439	14.5	38	3.9
Massachusetts.....	61,909	6.1	53,694	6.4	1,700	0.5	2,172	1.0	56,504	12.5	1,186	9.4
Rhode Island.....	14,436	8.8	11,675	9.2	466	1.0	794	2.2	12,793	16.9	345	11.2
Connecticut.....	23,562	6.8	18,984	6.8	893	0.7	744	1.1	21,532	14.1	314	6.6
<b>MIDDLE ATLANTIC:</b>												
New York.....	170,030	6.0	130,004	5.9	11,443	1.3	6,383	1.0	148,703	12.2	2,295	5.0
New Jersey.....	51,086	6.6	38,305	6.9	4,216	1.5	1,207	0.8	42,347	13.7	3,052	10.7
Pennsylvania.....	179,982	7.8	139,982	7.7	18,701	1.7	4,924	1.3	149,592	20.2	6,479	10.1
<b>EAST NORTH CENTRAL:</b>												
Ohio.....	62,998	4.2	58,698	4.8	19,188	2.3	3,379	1.1	35,160	11.4	5,169	13.2
Indiana.....	33,583	4.1	40,016	5.6	17,641	3.0	1,953	1.7	10,602	11.9	3,312	16.0
Illinois.....	79,433	4.6	67,481	4.8	15,588	2.3	3,275	0.8	55,907	9.2	4,349	10.9
Michigan.....	38,703	4.4	39,320	5.5	5,254	1.6	4,144	1.9	28,004	9.3	397	6.3
Wisconsin.....	27,038	4.0	31,136	5.5	1,514	1.0	3,918	1.5	20,433	7.6	58	5.4
<b>WEST NORTH CENTRAL:</b>												
Minnesota.....	23,603	3.7	20,856	4.1	732	0.5	1,757	0.9	19,947	6.7	123	3.6
Iowa.....	14,204	2.1	17,061	2.7	4,210	1.3	1,456	0.8	7,779	5.3	636	11.5
Missouri.....	51,284	5.3	60,327	7.0	27,860	4.4	2,357	1.4	10,848	8.9	10,068	19.0
North Dakota.....	5,467	3.1	5,187	5.4	203	0.5	290	0.6	4,029	5.1	16	5.1
South Dakota.....	5,550	3.1	5,628	5.0	305	0.5	299	0.6	2,323	4.3	24	7.0
Nebraska.....	8,545	2.4	7,388	2.5	1,401	0.8	643	0.7	5,886	6.2	231	7.2
Kansas.....	14,716	2.9	14,216	3.4	3,798	1.1	849	1.0	7,497	10.1	2,380	13.5
<b>SOUTH ATLANTIC:</b>												
Delaware.....	6,272	10.1	7,538	14.0	1,672	4.4	68	1.1	1,692	19.3	2,829	31.3
Maryland.....	31,238	8.5	40,352	12.5	8,097	4.0	523	1.0	5,087	10.5	17,484	27.3
District of Columbia.....	5,082	4.9	7,052	8.4	325	0.7	66	0.5	810	6.9	3,801	13.8
Virginia.....	92,917	17.7	113,353	25.3	33,488	9.0	192	1.8	1,297	8.7	57,867	36.3
West Virginia.....	35,040	10.4	32,066	12.9	20,666	7.8	356	2.2	8,528	24.6	5,437	24.0
North Carolina.....	107,563	21.3	122,658	29.4	49,619	14.1	91	4.0	274	8.3	56,669	38.6
South Carolina.....	90,707	27.1	99,516	35.1	17,535	11.0	64	1.9	206	6.1	72,887	43.1
Georgia.....	141,541	22.8	158,247	31.6	29,936	8.9	149	1.9	376	4.4	111,037	41.6
Florida.....	29,886	14.0	30,849	22.1	5,026	5.1	103	2.1	1,439	8.2	23,219	25.9
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	87,516	14.5	102,528	18.8	59,314	12.8	833	2.0	1,382	6.8	25,858	34.3
Tennessee.....	86,677	15.7	105,851	21.7	47,479	11.5	264	2.2	628	6.2	38,273	32.1
Alabama.....	124,494	24.3	139,649	33.7	30,389	10.9	244	2.9	1,023	9.8	92,744	43.4
Mississippi.....	107,543	25.3	118,057	33.8	11,129	6.1	141	2.3	598	11.3	95,702	41.0
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	53,440	13.5	62,615	20.0	20,343	7.7	385	3.4	661	6.8	32,013	28.7
Louisiana.....	118,716	28.6	122,638	37.6	28,091	15.6	935	2.8	5,211	19.7	84,176	48.3
Oklahoma.....	28,707	6.4	21,950	10.6	14,345	4.2	479	1.7	2,188	9.3	7,396	20.1
Texas.....	109,328	10.9	113,783	15.4	23,642	3.7	7,554	9.3	28,191	25.1	49,609	29.9
<b>MOUNTAIN:</b>												
Montana.....	8,812	5.7	6,269	6.1	228	0.4	166	0.6	5,885	9.9	75	8.8
Idaho.....	3,416	3.1	2,936	5.4	244	0.4	109	0.5	2,036	7.9	16	4.9
Wyoming.....	2,594	4.1	1,636	4.3	120	0.4	37	0.3	1,810	9.9	50	3.8
Colorado.....	11,343	4.2	7,689	4.1	2,663	1.8	273	0.6	7,408	10.6	373	8.7
New Mexico.....	16,634	17.6	15,585	28.3	8,142	11.8	538	7.7	3,360	29.0	88	13.7
Arizona.....	14,463	19.5	14,215	25.4	553	1.9	744	7.0	7,447	29.0	64	8.4
Utah.....	3,477	3.3	2,470	3.7	199	0.6	173	0.5	1,959	6.0	26	4.6
Nevada.....	2,399	6.0	2,271	12.8	46	0.3	49	0.6	968	7.6	15	6.6
<b>PACIFIC:</b>												
Washington.....	10,580	2.4	6,635	3.4	600	0.3	240	0.3	6,998	4.7	121	3.9
Oregon.....	6,440	2.5	6,978	4.8	729	0.5	185	0.5	4,033	6.3	24	3.1
California.....	42,787	4.6	33,485	6.2	1,961	0.5	1,214	0.7	28,921	9.7	556	6.8

1 Includes population of Indian Territory for 1900.

## ILLITERATE MALES 21 YEARS OF AGE AND OVER IN CITIES HAVING 100,000 INHABITANTS OR MORE: 1910.

CITY.	ALL CLASSES.				NATIVE WHITE: 1910				FOREIGN-BORN WHITE: 1910		NEGRO: 1910	
	1910		1900		Native parentage.		Foreign parentage.		Number.	Per cent.	Number.	Per cent.
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.				
Albany, N. Y.	1,219	3.8	762	2.7	45	0.4	55	0.5	1,091	13.3	19	5.0
Atlanta, Ga.	3,606	8.1	3,396	14.6	470	1.8	11	0.7	100	4.4	3,012	21.7
Baltimore, Md.	7,701	4.7	10,152	7.2	434	0.6	195	0.6	3,488	10.1	3,509	13.4
Birmingham, Ala.	4,348	10.7	2,051	16.7	182	0.9	4	0.2	380	12.9	3,780	23.0
Boston, Mass.	0,335	4.5	8,111	4.6	54	0.1	107	0.2	8,896	8.6	132	2.6
Bridgeport, Conn.	1,815	5.5	1,203	5.5	19	0.2	29	0.4	1,738	10.2	23	4.9
Buffalo, N. Y.	5,064	4.1	5,168	5.3	92	0.3	234	0.6	5,281	9.4	40	5.4
Cambridge, Mass.	978	3.2	1,097	4.1	8	0.1	12	0.2	874	6.0	73	5.3
Chicago, Ill.	35,656	5.1	20,572	4.0	216	0.2	591	0.3	34,145	9.0	546	3.1
Cincinnati, Ohio.	3,962	3.5	3,114	3.4	473	1.3	201	0.5	2,103	7.9	1,181	16.0
Cleveland, Ohio.	9,418	5.3	5,786	5.2	70	0.2	121	0.3	9,047	9.6	125	3.8
Columbus, Ohio.	2,063	3.4	1,306	3.5	397	1.1	75	0.7	1,124	13.2	459	9.1
Dayton, Ohio.	1,069	2.8	679	2.6	130	0.6	33	0.4	704	9.6	194	10.9
Denver, Colo.	1,580	2.2	716	1.7	91	0.3	54	0.3	1,214	6.3	100	5.0
Detroit, Mich.	9,709	6.5	3,587	4.5	69	0.2	251	0.6	9,310	12.4	72	3.2
Fall River, Mass.	4,942	15.6	4,158	15.5	40	1.1	201	2.6	4,687	23.2	6	4.5
Grand Rapids, Mich.	933	2.7	823	3.3	26	0.2	23	0.3	865	6.3	9	3.4
Indianapolis, Ind.	2,712	3.5	2,526	4.8	448	1.0	63	0.5	1,200	11.5	991	13.1
Jersey City, N. J.	5,519	6.8	3,094	5.1	45	0.3	96	0.4	5,267	14.0	76	3.6
Kansas City, Mo.	2,034	2.3	2,096	3.9	242	0.5	46	0.3	941	7.2	787	8.6
Los Angeles, Cal.	2,270	2.0	886	2.7	100	0.2	63	0.3	1,806	6.1	115	4.5
Louisville, Ky.	4,024	5.9	5,836	9.8	464	1.6	185	1.1	591	7.1	2,782	20.3
Lowell, Mass.	2,266	7.2	2,592	9.6	20	0.3	61	0.9	2,183	12.0	1	(1)
Memphis, Tenn.	3,163	7.1	5,745	18.3	71	0.4	6	0.2	2,499	7.3	3,825	16.4
Milwaukee, Wis.	5,147	4.6	3,059	4.1	22	0.1	127	0.3	4,979	8.9	9	2.3
Minneapolis, Minn.	2,770	2.6	1,205	1.9	42	0.1	73	0.3	2,605	5.8	39	3.2
Nashville, Tenn.	2,901	9.1	3,169	14.3	371	2.1	7	0.3	66	4.6	2,456	23.5
New Haven, Conn.	3,037	7.5	1,866	5.7	15	0.1	33	0.4	2,929	15.3	48	4.0
New Orleans, La.	6,301	6.5	10,078	13.4	306	0.9	236	1.0	1,328	9.8	4,330	17.1
New York, N. Y.	91,815	6.4	65,556	6.5	446	0.2	1,194	0.4	88,818	10.7	891	2.9
Manhattan Borough.	62,556	7.2	43,308	7.8	162	0.2	429	0.3	61,188	11.1	508	2.4
Brooklyn Borough.	5,714	4.5	3,606	6.2	49	0.3	93	0.2	5,481	8.0	63	6.0
Queens Borough.	28,429	6.0	15,416	4.6	161	0.2	550	0.4	27,331	11.0	241	3.4
Richmond Borough.	3,835	4.7	2,343	5.4	69	0.4	83	0.3	3,618	9.4	51	5.6
	1,301	4.9	836	4.4	24	0.3	39	0.6	1,300	10.0	25	7.4
Newark, N. J.	6,227	6.0	4,598	6.5	95	0.4	106	0.6	5,694	11.5	216	7.2
Oakland, Cal.	1,877	3.5	741	3.6	36	0.2	75	0.6	1,494	7.7	34	2.7
Omaha, Nebr.	1,429	3.3	612	1.8	47	0.3	38	0.4	1,223	8.9	110	5.8
Pateron, N. J.	2,584	7.0	1,876	6.3	69	1.0	62	0.7	2,383	11.8	50	11.0
Philadelphia, Pa.	22,222	4.7	17,588	4.5	895	0.6	776	0.7	18,287	10.9	2,108	7.5
Pittsburgh, Pa. <sup>1</sup>	14,165	8.5	10,588	7.8	164	0.4	264	0.6	13,053	18.6	663	7.1
Portland, Ore.	1,187	1.3	3,251	8.5	49	0.1	31	0.2	865	3.4	7	1.3
Providence, R. I.	5,738	8.3	3,830	7.2	63	0.4	162	1.0	5,278	16.1	187	10.6
Richmond, Va.	3,187	8.6	3,369	14.1	288	1.5	18	0.8	112	5.5	2,765	20.8
Rochester, N. Y.	3,158	4.5	1,327	2.9	62	0.3	72	0.3	3,014	11.1	6	2.0
St. Louis, Mo.	9,106	4.1	7,026	4.1	411	0.6	397	0.5	6,315	10.0	1,875	11.4
St. Paul, Minn.	1,576	2.2	1,351	2.6	18	0.1	52	0.2	1,468	5.1	26	1.7
San Francisco, Cal.	3,321	2.0	3,596	2.8	83	0.2	75	0.2	2,683	3.5	42	5.2
Scranton, Pa.	4,515	12.2	2,985	10.6	63	0.7	146	1.4	4,299	24.6	5	2.3
Seattle, Wash.	1,373	1.4	598	1.5	21	0.1	21	0.1	1,145	3.2	24	2.0
Spokane, Wash.	709	1.8	304	2.0	16	0.1	8	0.1	556	4.5	4	1.3
Syracuse, N. Y.	2,821	6.3	1,071	3.3	86	0.5	54	0.5	2,649	17.7	27	6.2
Toledo, Ohio.	1,802	3.4	1,592	4.2	229	1.1	120	0.8	1,419	9.0	30	4.2
Washington, D. C.	5,082	4.9	7,652	8.4	325	0.7	66	0.5	810	6.9	3,801	15.8
Worcester, Mass.	2,732	6.0	1,788	5.0	34	0.3	56	0.6	2,627	11.5	9	2.3

<sup>1</sup> Per cent not shown where base is less than 100.<sup>2</sup> Includes population of Allegheny for 1900.



## CHAPTER 8.

### DWELLINGS AND FAMILIES.

**Introduction.**—This chapter summarizes the data collected by the Thirteenth Decennial Census with regard to the number of dwellings and families and the average number of persons per dwelling and per family. Data are presented for each state and for the principal cities. Alaska, Hawaii, Porto Rico, and other outlying possessions are not included.

In census usage a "dwelling" is any building in which one or more persons reside. A mere cabin, or a room in a warehouse, occupied by a single person, is a census dwelling, while on the other hand an apartment house containing many families constitutes only one dwelling.

The term "family" as here used means a household or group of persons, whether related by blood or not, who share a common abode, usually also sharing the same table. If one person lives alone, he constitutes a family, while on the other hand those who dwell in a hotel or institution in which many people live are also treated as forming a single family.

Notwithstanding the fact that a family under the census definition may in some instances be very large, there is no considerable difference between the average size of all families under the census usage and the average size of what are commonly termed families or households in popular speech. At the census of 1900 a distinction was made between "private families," in most of which all or nearly all of the members are related by blood or marriage, and "economic families," comprising more or less artificial groups, including boarding houses (at least those having several or many boarders), hotels, institutions, construction gangs, lumber camps, etc.

For the United States as a whole, as reported at the census of 1900, the average size of all families was 4.7 persons, and the average for private families 4.6, and in many of the states there was scarcely any difference between the two averages. In fact, the decline from census to census in the average size of "census families" is undoubtedly due to a decline in the average size of private families, resulting from a decrease in the average number of children in the "natural" family.<sup>1</sup> Similarly, differences between localities as to the average size of census families in general result in the main from differences in the average size of private families and "natural" families.

<sup>1</sup> It should, of course, be borne in mind that the "private family" is often by no means identical with a natural family. A natural family may be defined as consisting only of persons related by blood or marriage and as comprising all such persons within the particular degree of consanguinity which the individual using the term has in mind—the most common usage being, perhaps, to consider a husband and wife and their children as the unit. The members of a natural family often do not live together in the same "private family." On the other hand, many private families have servants or other members not related by blood, or members with more or less distant blood relationship.

**Summary for the United States.**—Table 1 shows, for the United States as a whole, the statistics regarding dwellings and families at each census from 1850 to 1910, except that the data regarding dwellings for 1860 and 1870 are omitted because they are not comparable with those for the other censuses.

<b>Table 1</b>					
CENSUS YEAR.	Population.	Number of occupied dwellings.	Number of families.	Persons to a dwelling.	Persons to a family.
1910.....	91,972,266	17,805,845	20,255,555	5.2	4.5
1900.....	75,994,575	14,430,145	16,187,715	5.3	4.7
1890.....	1 62,622,250	11,483,318	12,690,152	5.5	4.9
1880.....	50,155,783	8,955,812	9,945,916	5.6	5.0
1870.....	38,558,371	(?)	7,579,903	(?)	5.1
1860.....	27,489,561	(?)	2 5,210,934	(?)	2 5.3
1850.....	2 19,987,563	2 3,362,337	2 3,598,240	2 5.9	2 5.6

<sup>1</sup> Exclusive of population (325,464) specially enumerated, for which statistics as to dwellings and families are not available.  
<sup>2</sup> Dwellings reported in 1860 and 1870 include both occupied and unoccupied dwellings.  
<sup>3</sup> Dwellings and families returned for free population only.

In the United States as a whole, in 1910, with a population of 91,972,266, there were 17,805,845 occupied dwellings and 20,255,555 census families. The average number of persons per dwelling was 5.2, and the average number per family, 4.5. It is obvious that the great majority of dwellings are occupied by a single family each.

At each census from 1850 to 1910, for which comparable figures are available, a decrease was shown in the average number of persons per dwelling and the average number per family. The decrease in the average number per dwelling has been due to the decrease in the average per family, the influence of which has been partly offset by the increased construction of tenements and other dwellings containing more than one family.

**Divisions and states.**—Table 2 shows, by geographic divisions and states, the number of dwellings and families in 1910 and the average number of persons per dwelling and per family for each of the last three censuses.

Variations among the divisions and states with respect to the average number of persons per dwelling are largely due to variations in the proportion of the population living in great cities, where there are many tenement houses, apartment houses, and other large dwellings. The average number of persons per dwelling in 1910 was greatest in the Middle Atlantic and New England divisions (6.2 and 6, respectively), and these are the divisions with the largest proportion of urban population. The average was lowest in the Mountain division (4.5). Among the states, New York, Rhode Island, Massachusetts, New Jersey, and Connecticut had an average of more than six persons per dwelling in 1910. The average was lowest in Nevada (3.6).

In 1910 the average number of persons per family was greatest in the three southern divisions (4.8 in the South Atlantic and West South Central and 4.7 in the East South Central), and smallest (4.3) in the East North Central, Mountain, and Pacific divisions. In all of the geographic divisions except the New England and Middle Atlantic the average size of families decreased from 1900 to 1910, while in those two divisions there was no change. Among the individual states, the average size of families in 1910 was greatest in Minnesota and North Carolina, 5 in each case. It was 4.9 in Virginia, West Virginia, and Texas. In no state except Nevada did the average fall below 4.1.

Table 2

DIVISION AND STATE.	Population 1910	Dwellings 1910	Families 1910	PERSONS TO A DWELLING.			PERSONS TO A FAMILY.		
				1910 1900 1890			1910 1900 1890		
				1910	1900	1890	1910	1900	1890
<b>United States</b>	<b>91,972,266</b>	<b>17,805,845</b>	<b>20,255,555</b>	<b>5.2</b>	<b>5.3</b>	<b>5.5</b>	<b>4.5</b>	<b>4.7</b>	<b>4.9</b>
<b>GEORG. DIVS.</b>									
New England.....	6,552,681	1,099,336	1,464,942	6.0	5.7	5.7	4.5	4.5	4.5
Mid. Atlantic.....	19,315,892	3,093,464	4,235,675	6.2	6.0	5.9	4.6	4.6	4.7
E. N. Central.....	18,250,621	3,743,779	4,214,820	4.9	5.0	5.2	4.3	4.5	4.8
W. N. Central.....	11,637,921	2,448,083	2,592,069	4.8	5.0	5.2	4.5	4.8	5.0
South Atlantic.....	12,194,895	2,424,935	2,539,270	5.0	5.2	5.4	4.8	5.0	5.2
E. S. Central.....	8,409,901	1,732,152	1,796,832	4.9	5.1	5.5	4.7	4.9	5.3
W. S. Central.....	8,784,334	1,780,510	1,827,105	4.9	5.2	5.5	4.8	5.0	5.3
Mountain.....	2,633,517	586,451	614,656	4.5	4.5	5.0	4.3	4.4	4.8
Pacific.....	4,192,304	897,135	970,186	4.7	4.8	5.1	4.3	4.4	4.9
<b>NEW ENGLAND:</b>									
Maine.....	742,371	159,437	177,960	4.7	4.7	4.9	4.2	4.3	4.4
N. Hampshire.....	430,572	88,871	103,156	4.8	4.8	4.9	4.2	4.2	4.3
Vermont.....	355,956	77,466	85,178	4.6	4.6	4.8	4.2	4.2	4.3
Massachusetts.....	3,396,410	511,925	574,013	6.6	6.2	6.3	4.6	4.6	4.7
Rhode Island.....	742,610	79,725	117,972	6.5	6.3	6.6	4.6	4.6	4.7
Connecticut.....	1,114,756	181,911	246,639	6.1	5.7	5.7	4.5	4.5	4.5
<b>MID. ATLANTIC:</b>									
New York.....	9,113,614	1,478,685	2,946,845	7.7	7.0	6.7	4.5	4.4	4.6
New Jersey.....	2,537,167	407,265	538,203	6.2	5.8	5.8	4.1	4.1	4.1
Pennsylvania.....	7,665,111	1,507,483	1,630,628	5.1	5.1	5.3	4.7	4.8	5.0
<b>E. N. CENTRAL:</b>									
Ohio.....	4,767,121	1,024,800	1,138,165	4.7	4.8	5.1	4.2	4.4	4.7
Indiana.....	2,700,876	531,534	654,891	4.5	4.6	4.8	4.1	4.3	4.7
Illinois.....	5,638,591	1,006,848	1,264,717	5.6	5.7	5.7	4.5	4.7	4.9
Michigan.....	2,810,173	618,222	657,418	4.5	4.6	4.8	4.3	4.4	4.6
Wisconsin.....	2,333,860	462,355	499,629	5.0	5.2	5.3	4.7	4.9	5.0
<b>W. N. CENTRAL:</b>									
Minnesota.....	2,075,708	380,809	416,452	5.5	5.5	5.7	5.0	5.1	5.2
Iowa.....	2,224,771	498,943	512,515	4.5	4.8	5.0	4.3	4.6	4.9
Missouri.....	3,293,335	677,196	749,812	4.9	5.2	5.5	4.4	4.7	5.1
North Dakota.....	577,036	118,757	120,910	4.9	5.0	5.0	4.8	4.9	4.7
South Dakota.....	583,888	127,739	131,660	4.6	4.9	4.8	4.5	4.8	4.7
Nebraska.....	1,192,214	258,967	265,449	4.6	5.0	5.3	4.3	4.8	5.1
Kansas.....	1,690,949	385,672	395,771	4.4	4.7	4.9	4.3	4.6	4.8
<b>S. ATLANTIC:</b>									
Delaware.....	202,322	43,183	44,951	4.7	4.8	5.0	4.5	4.7	4.9
Maryland.....	1,295,346	253,805	274,824	5.1	5.4	5.7	4.7	4.9	5.2
Dist. Columbia.....	831,069	58,513	71,339	5.7	5.6	5.9	4.6	4.9	5.2
Virginia.....	2,061,612	400,445	419,452	5.1	5.3	5.7	4.9	5.1	5.4
West Virginia.....	1,221,119	239,128	248,480	5.1	5.3	5.6	4.9	5.1	5.4
N. Carolina.....	2,296,287	490,570	440,334	5.1	5.3	5.4	5.0	5.1	5.3
S. Carolina.....	1,515,400	302,842	315,204	5.0	5.1	5.3	4.8	5.0	5.2
Georgia.....	2,004,121	530,631	553,264	4.9	5.1	5.4	4.7	4.9	5.2
Florida.....	752,619	165,818	171,422	4.5	4.7	5.0	4.4	4.5	4.9
<b>E. S. CENTRAL:</b>									
Kentucky.....	2,280,905	469,669	494,788	4.9	5.2	5.5	4.6	4.9	5.2
Tennessee.....	2,184,789	444,814	462,553	4.9	5.2	5.5	4.7	5.0	5.3
Alabama.....	1,238,093	441,249	454,767	4.8	5.0	5.4	4.7	4.9	5.3
Mississippi.....	1,797,114	376,420	384,724	4.8	5.0	5.5	4.7	4.9	5.3
<b>W. S. CENTRAL:</b>									
Arkansas.....	1,574,419	327,625	333,368	4.8	5.1	5.4	4.7	4.9	5.3
Louisiana.....	1,656,388	331,220	344,114	5.0	5.1	5.5	4.8	4.8	5.2
Oklahoma.....	1,637,155	342,488	351,167	4.8	4.9	4.1	4.7	4.8	4.1
Texas.....	3,696,542	779,177	798,426	5.0	5.3	5.6	4.9	5.2	5.4
<b>MOUNTAIN:</b>									
Montana.....	376,053	82,811	86,602	4.5	4.5	4.9	4.3	4.4	4.8
Idaho.....	329,594	71,830	73,669	4.5	4.4	4.7	4.3	4.3	4.7
Wyoming.....	75,000	32,065	32,065	4.7	4.7	4.7	4.1	4.1	4.1
Colorado.....	720,624	183,874	194,467	4.3	4.5	5.1	4.1	4.2	4.9
New Mexico.....	327,301	75,888	78,883	4.3	4.3	4.4	4.1	4.2	4.3
Arizona.....	204,354	45,386	47,927	4.5	4.3	4.5	4.3	4.1	4.4
Utah.....	373,351	72,649	77,359	5.1	5.2	5.6	4.8	4.9	5.4
Nevada.....	81,875	23,044	25,677	3.6	3.9	4.5	3.5	3.8	4.5
<b>PACIFIC:</b>									
Washington.....	1,141,990	238,822	254,692	4.8	4.9	5.1	4.5	4.6	4.9
Oregon.....	714,842	151,845	161,845	4.7	4.7	4.7	4.3	4.3	4.3
California.....	2,377,549	513,181	563,636	4.6	4.7	5.1	4.2	4.3	4.9

**Urban and rural communities.**—Table 3 shows statistics regarding dwellings and families in 1910 for urban and rural communities.

Table 3

DIVISION AND CLASS OF COMMUNITY.	Population.	Dwellings.	Families.	Persons to a dwelling.	Persons to a family.
<b>United States.....</b>	<b>91,972,266</b>	<b>17,805,845</b>	<b>20,255,555</b>	<b>5.2</b>	<b>4.5</b>
Urban.....	42,623,383	7,254,242	9,499,793	5.9	4.5
Rural.....	49,348,883	10,551,603	10,755,762	4.7	4.6
<b>NEW ENGLAND.....</b>	<b>6,552,681</b>	<b>1,099,336</b>	<b>1,464,942</b>	<b>6.0</b>	<b>4.5</b>
Urban.....	5,455,345	838,112	1,189,227	6.5	4.6
Rural.....	1,097,336	261,224	275,715	4.2	4.0
<b>MIDDLE ATLANTIC.....</b>	<b>19,315,892</b>	<b>3,093,464</b>	<b>4,235,675</b>	<b>6.2</b>	<b>4.6</b>
Urban.....	13,723,373	1,879,460	2,966,286	7.3	4.6
Rural.....	5,592,519	1,214,004	1,269,389	4.6	4.4
<b>EAST NORTH CENTRAL.....</b>	<b>18,250,621</b>	<b>3,743,779</b>	<b>4,214,820</b>	<b>4.9</b>	<b>4.3</b>
Urban.....	9,617,271	1,775,153	2,213,296	5.4	4.3
Rural.....	8,633,350	1,968,626	2,001,524	4.4	4.3
<b>WEST NORTH CENTRAL.....</b>	<b>11,637,921</b>	<b>2,448,083</b>	<b>2,592,069</b>	<b>4.8</b>	<b>4.5</b>
Urban.....	3,873,716	755,821	879,829	5.1	4.4
Rural.....	7,764,205	1,692,262	1,712,240	4.6	4.5
<b>SOUTH ATLANTIC.....</b>	<b>12,194,895</b>	<b>2,424,935</b>	<b>2,539,270</b>	<b>5.0</b>	<b>4.8</b>
Urban.....	3,692,153	602,959	688,260	5.1	4.5
Rural.....	9,102,742	1,821,976	1,851,010	5.0	4.9
<b>EAST SOUTH CENTRAL.....</b>	<b>8,409,901</b>	<b>1,732,152</b>	<b>1,796,832</b>	<b>4.9</b>	<b>4.7</b>
Urban.....	1,574,229	325,380	371,179	4.8	4.2
Rural.....	6,835,672	1,406,772	1,425,653	4.9	4.8
<b>WEST SOUTH CENTRAL.....</b>	<b>8,784,334</b>	<b>1,780,510</b>	<b>1,827,105</b>	<b>4.9</b>	<b>4.8</b>
Urban.....	1,957,456	403,347	432,089	4.9	4.5
Rural.....	6,827,078	1,377,163	1,395,016	5.0	4.9
<b>MOUNTAIN.....</b>	<b>2,633,517</b>	<b>586,451</b>	<b>614,656</b>	<b>4.5</b>	<b>4.9</b>
Urban.....	947,511	197,088	215,987	4.8	4.4
Rural.....	1,686,006	389,363	398,669	4.1	4.2
<b>PACIFIC.....</b>	<b>4,192,304</b>	<b>897,135</b>	<b>970,186</b>	<b>4.7</b>	<b>4.3</b>
Urban.....	2,382,329	476,922	543,612	5.0	4.4
Rural.....	1,809,975	420,213	426,574	4.3	4.2

As might be expected, the average number of persons per dwelling is materially higher in urban than in rural communities, except for the three southern divisions, the respective figures for the United States as a whole in 1910 being 5.9 and 4.7. The difference is particularly conspicuous in the Middle Atlantic division, in which the city of New York is situated. The average number of persons per dwelling in the urban communities in this division in 1910 was 7.3, as compared with 4.6 for rural communities.

In the United States as a whole the average number of persons per census family is slightly smaller in urban than in rural communities, but in several of the geographic divisions the average is greater in urban communities. It is probable that large "economic" families—hotels, institutions, etc.—are more numerous in urban than in rural communities, and that if only private families were considered the rural communities would show a greater excess in average size of family, in the United States as a whole, than appears in the table.

**Principal cities.**—Table 4 shows statistics regarding dwellings and families for each city of 100,000 or more inhabitants, and Table 5 presents similar statistics for cities of 25,000 to 100,000 inhabitants.

The city of New York, with an average of 15.6 persons per dwelling in 1910 (30.9 in Manhattan Borough), stands out conspicuously among the cities of 100,000



inhabitants or more, in most of which the average number of persons per dwelling was below 9, and in many of which it was below 5. Fall River ranks next to New York in the average number of persons per

dwellling. The average number of persons per family in 1910 was highest in St. Paul (5.2) and lowest in Indianapolis (4). In New York both in 1910 and in 1900 the average number of persons per family was 4.7.

DWELLINGS AND FAMILIES IN CITIES HAVING 100,000 INHABITANTS OR MORE.

Table 4		CITY.	Popula- tion: 1910	Dwell- ings: 1910	Fam- ilies: 1910	PERSONS TO A DWELLING.					PERSONS TO A FAMILY.					CITY.	Popula- tion: 1910	Dwell- ings: 1910	Fam- ilies: 1910	PERSONS TO A DWELLING.					PERSONS TO A FAMILY.				
1910	1900					1890	1910	1900	1890	1910	1900	1890	1910	1900	1890					1910	1900	1890							
Albany, N. Y.....	100,253	15,437	24,069	6.5	6.9	7.2	4.2	4.4	4.6	New York, N. Y.....	4,766,883	305,698	1,020,827	15.6	13.7	12.9	4.7	4.7	4.8										
Atlanta, Ga.....	154,839	30,308	35,813	5.1	5.4	5.7	4.3	4.4	4.9	<i>Manhattan Bor.....</i>	<i>2,831,542</i>	<i>75,410</i>	<i>493,545</i>	<i>30.9</i>	<i>25.0</i>	<i>19.9</i>	<i>4.7</i>	<i>4.7</i>	<i>4.8</i>										
Baltimore, Md.....	538,485	101,965	118,851	5.5	5.7	6.0	4.7	4.8	5.0	<i>Bronx Borough.....</i>	<i>450,369</i>	<i>28,739</i>	<i>85,895</i>	<i>15.0</i>	<i>10.1</i>	<i>7.7</i>	<i>4.6</i>	<i>4.7</i>	<i>5.1</i>										
Birmingham, Ala.....	132,685	26,868	31,050	4.9	5.8	5.5	4.3	4.5	5.0	<i>Brooklyn Borough.....</i>	<i>1,634,351</i>	<i>147,696</i>	<i>355,698</i>	<i>11.1</i>	<i>10.2</i>	<i>9.6</i>	<i>4.6</i>	<i>4.6</i>	<i>4.7</i>										
Boston, Mass.....	670,585	73,919	130,700	9.1	8.4	8.5	4.8	4.8	5.0	<i>Queens Borough.....</i>	<i>284,041</i>	<i>36,764</i>	<i>62,001</i>	<i>7.1</i>	<i>6.3</i>	<i>6.1</i>	<i>4.6</i>	<i>4.8</i>	<i>5.9</i>										
Bridgeport, Conn.....	102,054	14,934	21,689	6.8	6.3	6.4	4.7	4.6	4.6	<i>Richmond Bor.....</i>	<i>85,369</i>	<i>14,125</i>	<i>17,718</i>	<i>6.1</i>	<i>6.0</i>	<i>6.2</i>	<i>4.9</i>	<i>4.9</i>	<i>4.8</i>										
Buffalo, N. Y.....	423,715	62,335	91,328	6.8	7.1	6.9	4.6	4.8	5.0	Newark, N. J.....	347,469	38,693	77,039	9.0	8.1	7.8	4.5	4.5	4.7										
Cambridge, Mass.....	104,839	14,577	22,765	7.2	6.9	6.8	4.6	4.7	4.9	Oakland, Cal.....	150,174	31,740	36,725	6.1	6.3	6.3	4.8	5.0	5.2										
Chicago, Ill.....	2,183,283	246,744	473,141	8.9	8.8	8.6	4.6	4.7	5.0	Omaha, Neb.....	124,095	23,657	26,359	5.2	5.7	7.0	4.7	4.9	6.2										
Cincinnati, Ohio.....	353,591	49,525	87,541	7.3	8.0	8.9	4.2	4.4	4.7	Paterson, N. J.....	125,600	15,812	27,978	7.9	7.7	7.9	4.5	4.5	4.7										
Cleveland, Ohio.....	500,663	90,465	124,822	6.2	6.0	6.0	4.5	4.7	4.9	Philadelphia, Pa.....	1,549,008	295,220	327,263	5.2	5.4	5.6	4.7	4.9	5.1										
Columbus, Ohio.....	181,511	39,580	62,445	4.6	5.2	5.4	4.3	4.6	4.9	Pittsburgh, Pa.....	150,172	36,942	110,457	6.1	6.3	6.3	4.8	5.0	5.2										
Dayton, Ohio.....	116,577	26,692	28,370	4.4	4.7	5.0	4.1	4.3	4.6	Portland, Ore.....	207,214	37,456	42,029	5.3	6.2	7.4	4.9	5.4	6.8										
Denver, Colo.....	213,281	44,736	51,339	4.8	4.9	5.9	4.2	4.3	4.6	Providence, R. I.....	224,326	28,705	49,129	7.8	7.0	7.5	4.6	4.5	4.5										
Detroit, Mich.....	465,766	83,124	100,356	5.6	5.5	5.6	4.6	4.7	4.9	Richmond, Va.....	127,628	22,205	26,913	5.7	6.0	6.5	4.7	4.8	5.2										
Fall River, Mass.....	119,295	10,962	24,378	10.9	11.0	11.2	4.9	5.0	5.2	Rochester, N. Y.....	218,119	38,890	46,787	5.6	5.5	5.6	4.7	4.7	4.9										
Grand Rapids, Mich.....	112,571	23,432	26,925	4.8	4.9	5.3	4.2	4.3	4.5	St. Louis, Mo.....	677,029	105,650	155,553	6.5	7.0	7.4	4.4	4.6	4.9										
Indianapolis, Ind.....	233,650	53,359	88,645	4.3	4.7	5.0	4.6	4.6	4.6	St. Paul, Minn.....	214,743	32,610	41,548	6.6	6.6	6.3	5.2	5.3	5.2										
Jersey City, N. J.....	267,779	27,805	56,790	9.6	8.7	8.8	4.7	4.6	4.7	San Francisco, Cal.....	416,912	65,025	86,414	6.4	6.4	6.3	4.8	4.8	5.7										
Kansas City, Mo.....	248,351	47,978	59,296	5.2	5.8	5.7	4.2	4.5	5.0	Scranton, Pa.....	129,867	22,143	26,312	5.9	5.9	6.1	4.9	4.9	5.1										
Los Angeles, Cal.....	131,198	69,061	78,676	4.6	4.5	4.9	4.1	4.1	4.6	Seattle, Wash.....	49,539	31,042	34,408	5.8	4.6	5.8	4.6	5.7	5.4										
Louisville, Ky.....	223,928	41,680	52,155	5.4	5.9	6.4	4.3	4.6	4.9	Spokane, Wash.....	104,402	20,282	22,676	5.1	5.6	5.9	4.6	4.5	5.7										
Lowell, Mass.....	106,294	15,056	21,932	7.1	6.9	7.2	4.8	4.9	5.2	Syracuse, N. Y.....	137,246	23,200	31,551	5.9	5.7	5.6	4.4	4.3	4.6										
Memphis, Tenn.....	131,105	26,710	31,154	4.9	5.9	5.6	4.2	4.7	4.8	Toledo, Ohio.....	168,497	35,888	39,677	4.7	4.9	5.1	4.2	4.6	4.8										
Milwaukee, Wis.....	373,587	60,724	80,566	6.2	6.2	6.2	4.6	4.8	4.9	Washington, D. C.....	351,049	58,513	71,339	5.9	5.9	5.9	4.6	4.9	5.2										
Minneapolis, Minn.....	301,408	46,993	63,241	6.4	6.4	6.5	4.8	4.8	5.0	Worcester, Mass.....	145,986	15,109	30,743	9.7	9.0	8.7	4.7	4.8	4.8										
Nashville, Tenn.....	110,364	22,118	26,675	5.0	5.5	5.5	4.2	4.4	4.9																				
New Haven, Conn.....	133,605	17,466	29,271	7.6	7.1	7.3	4.6	4.6	4.7																				
New Orleans, La.....	339,075	67,192	73,377	5.0	5.4	5.6	4.6	4.6	5.0																				

<sup>1</sup> Includes Allegheny for 1900 and 1890.

DWELLINGS AND FAMILIES IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS.

Table 5	CITY.	Popu- lation: 1910	Dwell- ings: 1910	Fam- ilies: 1910	PERSONS TO A DWELLING.			PERSONS TO A FAMILY.			CITY.	Popu- lation: 1910	Dwell- ings: 1910	Fam- ilies: 1910	PERSONS TO A DWELLING.			PERSONS TO A FAMILY.							
					1910	1900	1890	1910	1900	1890					1910	1900	1890	1910	1900	1890					
Alabama										Illinois															
Mobile.....	51,521	11,181	12,969	4.6	5.0	5.1	4.2	4.2	4.8	Aurora.....	29,807	6,235	6,864	4.8	4.7	4.9	4.3	4.3	4.5						
Montgomery.....	38,136	8,182	9,578	4.7	4.8	5.4	4.0	4.1	4.9	Bloomington.....	25,768	6,082	6,455	4.2	4.6	4.8	4.0	4.3	4.7						
Arkansas										Danville.....															
Little Rock.....	45,941	9,562	10,217	4.8	5.2	5.2	4.5	4.6	4.7	Decatur.....	31,140	7,131	7,588	4.4	4.4	4.7	4.1	4.2	4.5						
California										East St. Louis.....															
Berkeley.....	40,434	8,720	9,791	4.6	4.6	4.8	4.1	4.4	4.8	Elgin.....	25,976	5,383	6,024	4.8	5.1	5.5	4.3	4.6	5.0						
Pasadena.....	30,291	7,790	8,273	3.9	4.0	3.9	3.7	3.9	3.9	Joliet.....	34,670	6,005	7,199	5.8	5.7	5.9	4.8	4.9	5.7						
Sacramento.....	44,696	8,809	10,189	5.1	4.9	5.5	4.4	4.3	5.2	Peoria.....	66,950	14,111	15,225	4.7	5.2	5.1	4.4	4.7	4.8						
San Diego.....	39,578	9,874	10,601	4.0	4.0	4.4	3.7	3.7	4.3	Quincy.....	36,587	7,685	8,762	4.8	4.9	5.3	4.2	4.4	4.7						
San Jose.....	28,946	6,639	7,297	4.4	4.7	5.3	4.0	4.3	5.1	Rockford.....	45,401	8,802	10,437	5.2	5.2	5.4	4.4	4.3	4.6						
Colorado										Springfield.....															
Colorado Springs.....	29,078	7,050	7,456	4.1	4.9	5.4	3.9	4.4	5.1	Indiana															
Pueblo.....	44,395	8,689	9,272	5.1	4.9	7.2	4.8	4.5	6.5	Evansville.....	69,647	15,240	16,196	4.6	5.1	5.6	4.3	4.8	5.2						
Connecticut										Fort Wayne.....															
Hartford.....	98,915	11,535	21,925	8.6	8.2	8.1	4.5	4.6	4.6	South Bend.....	53,684	11,200	12,039	4.8	5.1	5.2	4.5	4.6	4.8						
Meriden town.....	27,366	4,835	7,257	6.6	6.0	6.3	4.4	4.4	4.7	Terre Haute.....	58,157	13,457	14,520	4.3	4.7	4.9	4.1	4.3	4.6						
Meriden city.....	27,365	4,829	6,192	7.0	6.3	6.2	4.4	4.5	4.7	Iowa															
New Britain.....	43,916	4,722	8,586	9.3	7.8	7.9	5.1	4.8	4.7	Cedar Rapids.....	32,811	7,589	7,949	4.3	4.6	4.8	4.1	4.3	4.7						
Norwich town.....	28,219	5,016	6,376	5.0	4.7	4.7	4.4	4.4	4.7	Clinton.....	25,577	5,765	5,978	4.4	4.5	4.8	4.3	4.4	4.7						
Stamford town.....	25,138	4,486	6,239	6.4	6.0	6.7	4.6	4.6	4.7	Council Bluffs.....	29,292	6,344	6,722	4.6	4.9	5.0	4.4	4.7	4.8						
Stamford city.....	25,138	4,477	6,227	6.8	6.5	6.7	4.6	4.6	4.7	Davenport.....	43,028	8,900	10,316	4.8	5.0	5.0	4.2	4.4	4.6						
Waterbury.....	73,141	7,715	14,556	9.5	8.3	8.3	5.0	4.9	4.9	Des Moines.....	86,368	18,694	20,599	4.6	4.9	5.0	4.2	4.4	4.8						
Delaware										Dubuque.....															
Wilmington.....	87,411	17,223	18,637	5.1	5.2	5.2	4.7	4.9	4.9	Sioux City.....	47,828	9,253	10,203	5.2	5.2	6.6	4.7	4.6	6.3						
Florida										Waterloo.....															
Jacksonville.....	57,699	12,263	13,228	4.7	4.5	4.9	4.4	3.9	4.7	Kansas															
Tampa.....	37,782	7,553	8,282	5.0	5.0	5.1	4.6	4.5	4.5	Kansas City.....	82,331	18,279	19,627	4.5	4.9	5.0	4.2	4.4	4.7						
Georgia										Topeka.....															
Augusta.....	41,049	9,239	10,581	4.4	4.9	5.0	3.8	4.0	4.5	Wichita.....	43,684	10,387	11,243	4.2	4.3	4.6	3.9	4.1	4.4						
Macon.....	40,665	8,660	10,393	4.0	5.0	5.0	4.0	3.9	5.0																
Savannah.....	65,064	13,583	16,378	4.8	5.3	5.4	4.0	4.1	4.8	Kentucky															
										Covington.....															
										Lexington.....	52,470	9,841	12,671	5.4	5.9	6.1	4.2	4.5	4.6						
										Lexington.....	43,699	7,880	8,539	4.5	4.8	5.0	4.1	4.4	4.7						
										Newport.....	30,309	5,470	7,135	5.5	5.8	5.9	4.1	4.5	4.7						

DWELLINGS AND FAMILIES IN CITIES HAVING FROM 25,000 TO 100,000 INHABITANTS—Continued.

Table 5—Continued.

Table 5 Continued.				PERSONS TO A DWELLING.			PERSONS TO A FAMILY.		
CITY.	Population: 1910	Dwell- ings: 1910	Fami- lies: 1910	1910	1890	1910	1900	1890	
<b>Louisiana</b>									
Shreveport.	28,015	6,070	6,697	4.6	4.5	4.7	4.2	3.9	
<b>Maine</b>									
Lewiston.	26,217	3,150	5,368	8.3	8.0	8.5	4.9	4.9	
Portland.	58,571	9,960	13,591	6.2	6.1	6.3	4.3	4.4	
<b>Massachusetts</b>									
Brookton.	56,878	8,246	13,161	6.9	6.0	6.5	4.3	4.3	
Brookline town.	27,792	3,753	5,858	7.4	7.1	7.2	4.7	5.0	
Chelsea.	32,452	3,570	6,597	9.1	6.6	6.2	4.9	4.5	
Chicopee.	25,401	3,288	4,438	7.7	7.0	6.9	5.7	5.5	
Everett.	35,484	5,580	7,531	6.0	5.4	5.3	4.4	4.3	
Fitchburg.	37,826	4,869	7,931	7.8	6.8	6.4	4.8	4.7	
Haverhill.	44,115	7,332	9,975	6.0	5.8	6.6	4.4	4.2	
Holyoke.	57,730	8,411	11,265	11.9	10.9	11.3	5.1	5.3	
Lawrence.	85,802	10,435	17,142	8.2	7.7	7.7	5.0	4.9	
Lynn.	89,336	13,112	19,786	6.8	6.2	6.5	4.5	4.4	
Malden.	44,404	7,419	9,905	6.6	5.3	5.6	4.5	4.4	
New Bedford.	96,652	11,504	20,820	8.4	7.1	6.7	4.6	4.5	
Newton.	39,806	7,403	8,290	5.4	5.4	5.7	4.4	4.9	
Pittsfield.	32,121	5,834	6,748	5.5	5.2	5.5	4.8	4.7	
Quincy.	32,642	6,128	7,081	5.3	5.3	4.8	4.6	4.7	
Salem.	43,697	5,917	9,265	7.4	6.8	6.8	4.7	4.5	
Somerville.	77,236	12,139	18,440	6.4	5.7	6.1	4.2	4.3	
Springfield.	88,926	13,352	19,968	6.7	6.1	6.4	4.5	4.4	
Taunton.	34,259	5,407	7,276	6.3	6.2	6.3	4.7	4.7	
Waltham.	27,834	4,723	5,706	5.9	5.4	5.6	4.8	4.9	
<b>Michigan</b>									
Battle Creek.	25,267	6,170	6,720	4.1	4.4	4.7	3.8	3.9	
Bay City.	45,166	9,579	9,956	4.7	5.0	5.3	4.5	4.7	
Flint.	38,550	7,393	8,527	5.2	4.4	4.6	4.5	4.1	
Jackson.	31,433	7,464	7,935	4.2	4.4	4.7	4.0	4.1	
Kalamazoo.	39,437	8,412	9,086	4.7	4.7	4.9	4.3	4.5	
Lansing.	31,229	6,849	7,482	4.6	4.3	4.7	4.2	4.2	
Saginaw.	50,510	11,563	11,926	4.4	4.5	5.2	4.2	4.4	
<b>Minnesota</b>									
Duluth.	78,466	11,927	14,736	6.6	6.5	8.2	5.3	5.3	
<b>Missouri</b>									
Joplin.	32,973	7,592	8,052	4.2	4.8	5.2	4.0	4.5	
St. Joseph.	77,403	10,068	17,138	4.8	6.7	5.5	4.5	6.0	
Springfield.	35,201	7,996	8,419	4.5	4.8	5.1	4.2	4.4	
<b>Montana</b>									
Butte.	39,165	7,476	8,960	5.2	5.4	5.5	4.6	4.7	
<b>Nebraska</b>									
Lincoln.	43,973	9,507	10,472	4.6	5.8	6.2	4.2	5.1	
South Omaha.	26,259	4,962	5,245	5.3	6.1	5.2	5.0	5.3	
<b>New Hampshire</b>									
Manchester.	70,063	8,694	14,165	8.1	7.7	8.3	4.9	4.9	
Nashua.	26,005	4,708	5,560	5.5	5.5	5.5	4.6	4.6	
<b>New Jersey</b>									
Atlantic City.	46,150	7,942	9,744	5.8	5.6	4.7	4.7	5.1	
Bayonne.	55,545	6,147	10,998	9.0	7.4	7.1	5.1	5.0	
Camden.	94,538	20,269	21,842	4.7	4.5	4.7	4.4	4.4	
East Orange.	24,371	6,108	7,117	5.6	5.5	(1)	4.5	4.9	
Elizabeth.	73,409	10,060	15,434	7.3	6.7	6.5	4.8	4.9	
Hoboken.	70,324	4,433	15,520	15.9	14.2	12.8	4.8	4.4	
Orange.	29,630	4,391	6,294	6.7	6.3	6.1	4.7	4.8	
Passaic.	54,773	5,135	10,257	10.7	9.0	7.6	5.3	5.1	
Perth Amboy.	32,121	4,209	6,367	7.6	7.2	6.4	5.0	5.0	
Trenton.	96,815	17,932	19,678	5.4	5.1	5.0	4.9	4.9	
West Hoboken town.	55,403	3,723	5,574	9.5	8.0	(1)	4.2	4.3	
<b>New York</b>									
Amsterdam.	31,267	4,122	6,686	7.6	6.5	6.2	4.7	4.5	
Auburn.	34,688	6,776	7,899	5.1	5.3	5.2	4.4	4.7	
Binghamton.	48,443	8,437	11,438	5.7	5.6	5.3	4.3	4.4	
Elmira.	37,176	7,982	8,981	4.7	4.9	5.3	4.1	4.3	
Jamestown.	31,297	5,696	7,731	5.5	5.2	5.1	4.0	4.1	
Kingston.	25,998	4,834	6,651	5.4	5.7	6.2	4.3	4.5	
Mount Vernon.	30,919	4,952	6,797	6.7	6.0	5.1	4.5	4.8	
New Rochelle.	28,867	4,280	5,826	6.7	6.1	5.7	5.0	4.9	
Newburgh.	27,805	4,233	6,420	6.6	6.1	6.8	4.2	4.2	
Niagara Falls.	30,445	5,671	6,621	5.4	5.3	(1)	4.6	4.9	
Poughkeepsie.	27,936	4,576	6,334	6.1	6.0	6.3	4.1	4.1	
Schenectady.	72,826	10,639	15,808	6.8	7.0	6.4	4.6	4.7	
Troy.	76,813	10,745	18,109	7.1	7.8	7.8	4.2	4.5	
Utica.	74,419	10,330	16,053	7.2	6.2	6.0	4.6	4.6	
Watertown.	26,730	5,754	6,512	4.6	4.8	4.6	4.0	4.0	
Yonkers.	79,503	7,857	16,219	10.2	9.0	8.6	4.9	5.3	
<b>North Carolina</b>									
Charlotte.	34,014	7,079	7,740	4.8	5.2	5.1	4.1	4.6	
Wilmington.	25,748	5,461	5,878	4.7	4.7	5.0	4.4	4.1	
<b>Ohio</b>									
Akron.	69,067	13,701	15,851	5.0	4.9	5.0	4.4	4.4	
Canton.	50,217	10,722	11,845	4.7	4.6	5.2	4.2	4.3	
Hamilton.	35,279	7,636	8,256	4.6	5.0	5.2	4.3	4.5	
Lima.	30,508	6,929	7,358	4.4	4.6	5.3	4.1	4.3	
Lorain.	28,883	5,071	6,075	5.7	6.0	5.0	4.8	5.1	
Newark.	25,404	5,137	6,439	4.1	4.6	4.8	3.9	4.3	
Springfield.	46,921	11,050	11,621	4.2	4.8	4.8	4.0	4.4	
Youngstown.	79,066	14,280	16,228	5.5	5.4	5.5	4.9	4.9	
Zanesville.	29,026	6,755	7,163	4.1	4.4	4.8	3.9	4.2	
<b>Oklahoma</b>									
Muskogee.	25,278	5,197	5,799	4.9	4.7	(1)	4.5	(1)	
Oklahoma City.	64,205	11,516	13,565	5.6	5.4	3.6	4.7	4.7	
<b>Pennsylvania</b>									
Allentown.	51,913	11,379	11,772	4.6	4.7	5.0	4.4	4.5	
Altoona.	52,127	11,024	11,473	4.7	4.9	5.2	4.5	4.8	
Chester.	38,557	7,049	8,032	5.0	5.1	5.1	4.8	4.9	
Easton.	28,222	6,668	6,935	4.3	4.5	4.1	4.1	4.3	
Erie.	66,525	12,437	14,742	5.3	5.4	5.7	4.5	4.7	
Harrisburg.	64,186	14,461	15,073	4.4	4.6	4.8	4.3	4.5	
Hazleton.	25,452	4,930	5,002	5.4	5.0	5.4	5.1	4.9	
Johnstown.	55,882	9,790	10,665	5.7	5.4	5.6	5.2	5.1	
Lancaster.	47,227	10,521	10,836	4.5	4.7	4.9	4.4	4.6	
McKeesport.	42,664	7,553	8,802	5.7	5.6	5.8	4.9	4.9	
New Castle.	36,290	7,532	8,166	4.8	4.9	4.9	4.5	4.6	
Norristown borough.	27,575	5,121	5,391	5.4	5.3	5.4	5.2	5.3	
Pawtucket.	96,071	20,708	21,809	4.6	4.9	5.0	4.4	4.6	
Rhensandoh borough.	25,774	4,059	4,619	6.3	5.8	5.7	5.6	5.5	
Wilkes-Barre.	67,105	12,127	13,247	5.5	5.3	5.4	5.1	5.0	
Williamsport.	31,680	7,266	7,660	4.4	4.6	4.9	4.2	4.4	
York.	44,750	10,078	10,405	4.4	4.7	4.6	4.3	4.5	
<b>Rhode Island</b>									
Newport.	27,149	4,077	5,531	6.1	5.8	6.1	4.9	4.5	
Pawtucket.	51,622	6,699	11,299	7.7	6.7	7.2	4.6	4.6	
Warwick town.	26,629	4,939	5,719	5.4	5.5	5.8	4.7	4.7	
Woonsocket.	38,125	4,200	7,480	9.1	9.1	9.5	5.1	5.1	
<b>South Carolina</b>									
Charleston.	58,833	9,652	15,093	6.1	6.2	6.7	3.9	4.0	
Columbia.	26,319	4,979	5,745	5.3	5.7	6.1	4.6	4.8	
<b>Tennessee</b>									
Chattanooga.	44,604	9,023	10,580	4.9	5.2	5.3	4.2	4.3	
Knoxville.	36,346	6,899	7,905	5.3	5.6	6.1	4.6	4.8	
<b>Texas</b>									
Austin.	29,860	5,836	6,194	5.1	5.3	5.3	4.8	5.0	
Dallas.	92,104	18,536	20,516	5.0	5.2	5.6	4.5	4.7	
El Paso.	39,279	7,992	8,792	4.9	5.0	5.2	4.5	4.6	
Fort Worth.	73,312	14,585	16,295	5.0	4.9	5.6	4.5	4.5	
Galveston.	36,981	7,361	8,298	5.0	5.2	5.1	4.5	4.7	
Houston.	72,883	14,963	17,041	4.6	4.9	5.2	4.6	4.6	
San Antonio.	96,614	19,574	21,696	4.9	5.1	5.6	4.6	4.7	
Waco.	26,425	5,315	5,651	5.0	5.3	5.3	4.9	5.2	
<b>Utah</b>									
Ogden.	25,580	4,962	5,424	5.2	5.1	5.7	4.7	4.9	
Salt Lake City.	92,777	17,836	20,289	5.2	5.2	6.4	4.6	4.8	
<b>Virginia</b>									
Lynchburg.	29,494	5,476	6,242	5.4	5.7	6.3	4.7	4.7	
Norfolk.	61,118	13,449	15,449	4.7	5.2	5.6	4.6	4.6	
Portsmouth.	23,190	6,633	7,120	5.0	5.4	5.7	4.7	4.9	
Roanoke.	34,874	6,223	7,179	5.6	5.6	6.5	4.9	5.1	
<b>Washington</b>									
Tacoma.	82,743	16,253	18,054	5.2	5.4	6.4	4.6	4.8	
<b>West Virginia</b>									
Huntington.	31,161	6,023	6,641	5.2	5.1	6.1	4.8	5.5	
Wheeling.	41,611	7,669	9,843	5.4	5.5	5.8	4.2	4.9	
<b>Wisconsin</b>									
Green Bay.	25,236	5,072	5,448	5.0	5.2	5.9	4.6	4.8	
La Crosse.	30,414	5,876	6,431	5.2	5.2	5.7	4.7	4.9	
Madison.	23,561	5,182	5,949	4.9	5.4	5.2	4.3	4.8	
Oshkosh.	35,032	7,169	7,581	4.6	4.9	5.2	4.4	4.6	
Racine.	38,002	7,054	8,286	5.4	5.3	5.1	4.6	4.7	
Sheboygan.	26,419	5,417	5,823	4.9	4.9	5.1	4.6	4.7	
Superior.	40,334	6,105	7,046	6.6	6.3	6.9	5.7	6.2	

---

# AGRICULTURE



CHAPTER 9.—FARMS AND FARM PROPERTY

CHAPTER 10.—TENURE, MORTGAGE INDEBTEDNESS, COLOR AND NATIVITY OF FARMERS,  
AND SIZE OF FARMS

CHAPTER 11.—LIVE STOCK ON FARMS AND ELSEWHERE

CHAPTER 12.—LIVE STOCK PRODUCTS AND DOMESTIC ANIMALS SOLD OR SLAUGHTERED  
ON FARMS

CHAPTER 13.—FARM CROPS—ACREAGE, PRODUCTION, AND VALUE

CHAPTER 14.—IRRIGATION AND IRRIGATED CROPS



# CHAPTER 9.

## FARMS AND FARM PROPERTY.

### UNITED STATES AS A WHOLE: 1910 AND 1900.

The present chapter gives the principal data pertaining to farms and farm property, by states and geographic divisions, for 1910 and 1900, and by geographic divisions for each census from 1850 to 1910.

The following table summarizes, for the United States (excluding noncontiguous possessions), the principal facts with regard to farms and farm property for the years 1910 and 1900:

### FARMS, FARM LAND, AND FARM PROPERTY OF THE UNITED STATES.

Table 1	1910 (April 15)	1900 (June 1)	INCREASE. <sup>1</sup>	
			Amount.	Per cent.
Population.....	91,972,266	75,994,575	15,977,691	21.0
Urban population <sup>2</sup> .....	42,623,383	31,609,645	11,013,738	34.8
Rural population <sup>3</sup> .....	49,348,883	44,384,930	4,963,953	11.2
<b>Number of all farms.....</b>	<b>6,361,502</b>	<b>5,737,372</b>	<b>624,130</b>	<b>10.9</b>
Land area of the country.....acres..	<sup>4</sup> 1,903,289,600	<sup>4</sup> 1,903,461,760	<sup>4</sup> -172,160	-----
Land in farms.....acres.....	878,798,325	838,591,774	40,206,551	4.8
Improved land in farms.....acres.....	478,451,750	414,498,487	63,953,263	15.4
Average acreage per farm.....	138.1	146.2	-8.1	-5.5
Average improved acreage per farm.....	75.2	72.2	3.0	4.2
Per cent of total land area in farms.....	46.2	44.1	-----	-----
Per cent of land in farms improved.....	54.4	49.4	-----	-----
Per cent of total land area improved.....	25.1	21.8	-----	-----
<b>Value of farm property, total.....</b>	<b>\$40,991,449,090</b>	<b>\$20,439,901,164</b>	<b>\$20,551,547,926</b>	<b>100.5</b>
Land.....	28,475,674,169	13,058,007,995	15,417,666,174	118.1
Buildings.....	6,325,451,528	3,556,639,496	2,768,812,032	77.8
Implements and machinery.....	1,265,149,783	749,775,970	515,373,813	68.7
Domestic animals, poultry, and bees.....	4,925,173,610	3,075,477,703	1,849,695,907	60.1
Average value of all property per farm.....	\$6,444	\$3,563	\$2,881	80.9
Average value of all property per acre of land in farms.....	\$46.64	\$24.37	\$22.27	91.4
Average value of land per acre.....	\$32.40	\$15.57	\$16.83	108.1

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Population of incorporated places having, in 1910, 2,500 or more inhabitants. The figure for 1900 does not represent the urban population according to that census but is the population in that year of the territory classified as urban in 1910.

<sup>3</sup> Total, exclusive of urban. (See Note 2.)

<sup>4</sup> Change in area due to the drainage of lakes and swamps of Illinois and Indiana, building of the Roosevelt and Laguna reservoirs, and the formation of the Salton Sea in California.

There are in the United States 6,361,502 farms,<sup>1</sup> containing a total of 878,798,000 acres,<sup>2</sup> of which 478,452,000 acres are improved. The land in farms represents somewhat less than one-half, 46.2 per cent, of the total land area of the country, while the improved land represents somewhat over one-half, 54.4

per cent, of the total acreage of land in farms. Improved land in farms thus represents almost exactly one-fourth, 25.1 per cent of the total land area of the country. On the average the farms of the United States contain 138.1 acres, of which, on the average, over one-half, 75.2 acres, are improved land.

<sup>1</sup> **Farm.**—A "farm" for census purposes is all the land which is directly farmed by one person managing and conducting agricultural operations, either by his own labor alone or with the assistance of members of his household or hired employees. The term "agricultural operations" is used as a general term referring to the work of growing crops, producing other agricultural products, and raising animals, fowls, and bees. A "farm" as thus defined may consist of a single tract of land or of a number of separate and distinct tracts, and these several tracts may be held under different tenures, as where one tract is owned by the farmer and another tract is hired by him. Further, when a landowner has one or more tenants, renters, croppers, or managers, the land operated by each is considered a "farm."

In applying the foregoing definition of a "farm" for census purposes, enumerators were instructed to report as a "farm" any tract of 3 or more acres used for agricultural purposes, no matter what the value of the products raised upon the land or the amount of labor involved in operating the same in 1909. In addition, they were instructed to report in the same manner all tracts containing less than 3 acres which either produced at least \$250 worth of farm products in the year 1909, or on which the continuous services of at least one person were expended.

<sup>2</sup> **Land in farms.**—Land in farms is divided at the present census into (1) improved land, (2) woodland, and (3) all other unimproved land. The same classification was followed in 1880. At former censuses, except that of 1880, farm land was divided into improved land and unimproved land, woodland being included with unimproved land. Improved land includes all land regularly tilled or mowed, land pastured and cropped in rotation, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings. Woodland includes all land covered with natural or planted forest trees which produce, or later may produce, firewood or other forest products. All other unimproved land includes brush land, rough or stony land, swamp land, and any other land which is not improved or in forest. It should be noted, however, in this connection that the census classification of farm land as "improved land," "woodland," and "other unimproved land" is one not always easy for the farmers or enumerators to make, owing to the fact that the farmers sometimes use these terms with different meanings from those assigned to them by the Bureau of the Census. There is evidence that the same kind of land has at certain times and places been reported as "improved land" and at other times and places as "unimproved land," rendering these classifications less accurate than the report of total farm acreage and value.

The total value of farm property reaches the enormous sum of \$40,991,000,000, of which over two-thirds represents the value of land, about one-sixth the value of buildings, and about another one-sixth the combined value of implements and machinery and of live stock. The average value of all farm property per farm reporting is \$6,444. The average value of all farm property per acre of land in farms is \$46.64, and the average value of the land itself per acre is \$32.40.

It is a significant fact that whereas the total population increased 21 per cent between 1900 and 1910, the urban population increased 34.8 per cent and the rural population only 11.2 per cent. The number and acreage of farms increased much less rapidly than the total population, but the growth in the number of farms nearly kept pace with the movement of the rural population, amounting to 10.9 per cent. The total farm acreage, on the other hand, increased only 4.8 per cent. This, however, is less significant than the increase in acreage of improved farm land, which amounted to 15.4 per cent, showing a greater percentage of increase than the number of farms or rural population but still falling appreciably behind the increase in total population. It should be noted that "rural population" is a much broader term than "agricultural population." "Rural" as here used includes the entire population outside of incor-

porated places, including New England "towns," having 2,500 inhabitants or more.

The average size of a farm decreased from 146.2 acres in 1900 to 138.1 acres in 1910, but the average acreage of improved land per farm was somewhat greater in the later year than in the earlier. It is possible that the reported increase in the proportion of farm land improved, from 49.4 per cent in 1900 to 54.4 in 1910, is partly due to differences of interpretation as to what constitutes improved land. (See definitions, p. 265.)

The total value of farm property a little more than doubled during the decade 1900 to 1910. The greater part of this extraordinary increase has been in farm land, the value of which increased no less than 118.1 per cent, and this in turn was due largely to the advance in the price of land, the average value per acre being more than twice as high in 1910 as in 1900—\$32.40 as compared with \$15.57. There have been remarkable increases, also, in the value of farm buildings and equipment, the value of buildings having increased 77.8 per cent, that of implements and machinery 68.7 per cent, and that of live stock 60.1 per cent.

Notwithstanding the decrease in the average size of farms, the value of all farm property per farm increased from \$3,563 in 1900 to \$6,444 in 1910, or 80.9 per cent.

#### FARMS AND FARM LAND, BY DIVISIONS AND STATES: 1910 AND 1900.

**Geographic distribution of farms and farm land.**—The agricultural industry of the country is very unequally distributed among its different sections and states. Table 3, on pages 268 and 269, shows for each of the nine main geographic divisions and for each state the total and rural population, number of farms, total land area, and acreage of farm land and of improved farm land for 1910 and 1900. It also shows what percentage of the respective totals was found in each division and state at each of these censuses.

While the differences among the several geographic divisions as regards the proportions in which they contribute to the farming industry of the country are naturally affected greatly by the differences in the total area of the divisions, it is evident that they are due in large degree to differences in the extent to which the land is capable of utilization for farming purposes, or has thus far been so utilized. For instance, the Mountain division, which comprises 28.89 per cent of the total land area, has only 3.33 per cent of the improved farm land.

There is little correspondence between the geographic distribution of population and that of the agricultural industry. Notwithstanding the fact that "rural population," as shown in the table, includes large numbers of persons not living on farms, there is, naturally, a somewhat closer correspondence between

the distribution of the rural population and that of the number of farms and the acreage of farm land.

Table 3 shows that, whether the importance of the agricultural industry be judged by the number of farms, the total acreage of farms, or the total improved acreage, the great bulk of it is to be found in five geographic divisions—namely, the four which constitute the territory between the Alleghenies and the Rocky Mountains (East and West North Central and East and West South Central) together with the South Atlantic. Each of these five divisions has in the neighborhood of one-sixth of the total number of farms in the country.

The West North Central division has a decidedly larger acreage of farm land than any other; it contains 26.5 per cent of the total farm acreage of the United States. The West South Central division ranks next, with 19.2 per cent of the total, followed by the East North Central and the South Atlantic. Notwithstanding their great total area, the Mountain and Pacific divisions contain only a comparatively small proportion of the present farm land of the country.

The acreage of improved farm land is on the whole the best criterion of the agricultural importance of a given state or division. Five-sixths of the improved farm land of the country is in the two North Central,

the two South Central, and the South Atlantic divisions. More than one-third of the total (34.3 per cent) is found in the West North Central division, the broad prairies of which are peculiarly adapted for almost complete utilization for farming purposes. The East North Central division ranks next, containing 18.6 per cent of the improved farm land of the country, and the West South Central follows with 12.2 per cent. The Mountain and Pacific divisions together contribute less than 8 per cent of the total, this small proportion being due partly to the newness of this section and partly to the great extent of mountainous and arid territory.

It is convenient also to consider the country as divided into three great groups of states, which may be designated, in general terms, as the North, the South, and the West. The North includes the first four divisions listed in Table 3, the South the next three divisions, and the West the last two. Another convenient comparison is between the territory east and that west of the Mississippi River.

The following table shows, for each of these sections, the percentages which the number of farms, the acreage of farm land, and the acreage of improved farm land represent of the totals for the United States:

SECTION.	PER CENT OF UNITED STATES TOTALS.					
	Number of farms.		All land in farms.		Improved land in farms.	
	1910	1900	1910	1900	1910	1900
United States.....	100.0	100.0	100.0	100.0	100.0	100.0
The North.....	43.4	50.1	47.1	45.6	69.6	63.0
The South.....	48.7	45.7	40.3	43.2	31.5	30.4
The West.....	5.9	4.2	12.6	11.2	7.9	6.6
East of the Mississippi.....	61.9	64.1	41.7	43.8	45.6	51.1
West of the Mississippi.....	38.1	35.9	58.3	56.2	54.4	48.9

While the South has a larger proportion of the number of farms than the North, it has a smaller proportion of the total farm land of the country, and a decidedly smaller proportion of the improved farm land. The North contained a slightly larger proportion of the total area of farm land in 1910 than it did in 1900, but its proportion of the improved farm land was less in the later year than in the earlier. Precisely the opposite is true of the South.

The movement of agriculture toward the West, which had been going on since the first settlement of the country, continued during the past decade. The four divisions lying west of the Mississippi, taken together, comprised 54.4 per cent of the improved farm land of the country in 1910 as compared with 48.9 per cent in 1900.

**Increases and decreases: 1900-1910.**—It will be seen by Table 3 that in the territory north of the Ohio and east of the Mississippi, comprising three geographic divisions—New England, Middle Atlantic, and East

North Central—there was an actual decrease in the number of farms between 1900 and 1910, despite a large increase in population. In the West North Central division the increase in the number of farms has been comparatively small, amounting to 4.6 per cent. In all of the other five divisions there has been a very considerable increase in the number of farms. In the East South Central and Mountain divisions the number increased more rapidly than the total population.

Great differences appear among the several geographic divisions with respect to the changes in the total acreage of land in farms. In the New England, Middle Atlantic, South Atlantic, and West South Central divisions there was a decrease in the acreage reported in farms. The largest decrease, both in absolute amount and in percentage, was in the West South Central division, but this is in a sense misleading. A considerable increase in the acreage of farms occurred in two of the states of the division, Arkansas and Oklahoma. In Louisiana a moderate decrease appeared, due to the purchase by nonresidents of undeveloped lands in the extreme southern part of the state, which had been reported as parts of farms in 1900, although not actually used for agriculture. A larger percentage of the total land area of the state is now improved than in 1900. In Texas there was nominally a very great decrease in the acreage of farm land, but a large part if not all of this was due to the fact that in 1900 the state contained many enormous ranches which in their entirety were reported as farm land, whereas in 1910 many of these ranches were broken into smaller tracts, some of which were reported as farms, while others had not been put to use for agriculture. Some large tracts of land which were owned by nonresidents and not used at the time of enumeration in 1910 had been used more or less for grazing in 1900. The acreage of improved land in Texas increased greatly during the decade.

In the East North Central and East South Central divisions there was a slight increase in farm land during the past decade. In the West North Central division over 31,000,000 acres more land was reported in farms in 1910 than in 1900, this increase representing more than three-fourths of the total increase for the United States. The percentage of increase in this division, 15.7 per cent, was, however, exceeded by that in the Mountain division, 28.3 per cent. A very considerable increase in farm land was also reported for the Pacific states.

Most of the states show the same movement with regard to acreage of farm land as the divisions in which they are situated, but there are a few exceptions. In the East North Central division, for example, which as a whole showed an increase, this was confined to the states of Michigan and Wisconsin, there being decreases in farm land in Ohio, Indiana, and Illinois.

## FARMS, LAND IN FARMS, AND POPULATION, BY STATES AND DIVISIONS, WITH PER CENT

[A minus sign (—) denotes decrease.]

Table 3	DIVISION OR STATE.	TOTAL POPULATION.				RURAL POPULATION.				NUMBER OF ALL FARMS.			
		1910	1900	Increase.		1910	1900	Increase.		1910	1900	Increase.	
				Number.	Per ct.			Number.	Per ct.			Number.	Per ct.
1	United States.....	91,972,266	75,994,575	15,977,691	21.0	49,348,883	44,384,930	4,963,953	11.2	6,361,502	5,737,372	624,130	10.9
2	GEOGRAPHIC DIVISIONS:												
3	New England.....	6,552,681	5,592,017	960,664	17.2	1,037,336	1,102,486	-65,150	-0.5	188,802	191,888	-3,086	-1.6
4	Middle Atlantic.....	19,315,892	15,454,678	3,861,214	25.0	5,592,519	5,146,961	445,558	8.7	468,379	485,618	-17,239	-3.5
5	East North Central.....	18,250,621	15,985,581	2,265,040	14.2	8,633,350	8,637,570	-4,220	-(1)	1,123,489	1,135,823	-12,334	-1.1
6	West North Central.....	11,637,521	10,347,423	1,290,498	12.5	7,764,205	7,324,759	439,446	6.0	1,109,948	1,060,744	49,204	4.6
7	South Atlantic.....	12,194,895	10,443,480	1,751,415	16.8	9,102,742	8,105,763	996,979	12.3	1,111,881	962,225	149,656	15.6
8	East South Central.....	8,409,901	7,547,757	862,144	11.4	6,835,672	6,361,467	474,205	7.5	1,042,480	903,313	139,167	15.4
9	West South Central.....	8,784,534	6,532,290	2,252,244	34.5	6,827,078	5,370,554	1,456,524	27.1	943,186	754,833	188,353	24.9
10	Mountain.....	2,633,517	1,674,657	958,860	57.3	1,686,906	1,099,325	586,681	53.4	183,446	101,327	82,119	81.0
11	Pacific.....	4,192,304	2,416,692	1,775,612	73.5	1,809,975	1,236,045	573,930	46.4	189,891	141,581	48,310	34.1
12	NEW ENGLAND:												
13	Maine.....	742,371	694,466	47,905	6.9	360,928	354,902	6,026	1.7	60,016	59,299	717	1.2
14	New Hampshire.....	430,572	411,588	18,984	4.6	175,473	185,581	-10,108	-5.4	27,053	29,334	-2,271	-7.7
15	Vermont.....	355,956	343,611	12,345	3.6	187,013	195,235	-8,222	-4.2	32,709	33,101	-395	-1.2
16	Massachusetts.....	3,366,416	2,805,346	561,070	20.0	241,049	235,852	5,197	2.2	36,917	37,715	-798	-2.1
17	Rhode Island.....	542,610	428,556	114,054	26.6	17,956	16,877	1,079	6.4	5,292	5,498	-206	-3.7
18	Connecticut.....	1,114,756	908,420	206,336	22.7	114,917	114,039	878	0.8	26,815	26,948	-133	-0.5
19	MIDDLE ATLANTIC:												
20	New York.....	9,113,614	7,268,894	1,844,720	25.4	1,928,120	1,916,611	11,509	0.6	215,597	226,720	-11,123	-4.9
21	New Jersey.....	2,537,167	1,883,669	653,498	34.7	629,957	620,016	9,941	21.1	33,487	34,650	-1,163	-3.4
22	Pennsylvania.....	7,665,111	6,302,115	1,362,996	21.6	3,034,442	2,710,334	324,108	12.0	219,295	224,248	-4,953	-2.2
23	EAST NORTH CENTRAL:												
24	Ohio.....	4,767,121	4,157,545	609,576	14.7	2,101,978	2,130,083	-28,105	-1.3	272,045	276,719	-4,674	-1.7
25	Indiana.....	2,700,876	2,516,462	184,414	7.3	1,557,041	1,640,168	-83,127	-5.1	215,485	221,897	-6,412	-2.9
26	Illinois.....	5,638,591	4,821,550	817,041	16.9	2,161,662	2,155,217	6,445	0.3	251,872	264,151	-12,279	-4.6
27	Michigan.....	2,810,173	2,420,982	389,191	16.1	1,483,129	1,454,156	28,973	2.0	206,960	203,261	3,699	1.8
28	Wisconsin.....	2,333,860	2,069,042	264,818	12.8	1,329,540	1,257,946	71,594	5.7	177,127	169,795	7,332	4.3
29	WEST NORTH CENTRAL:												
30	Minnesota.....	2,075,708	1,751,394	324,314	18.5	1,225,414	1,137,799	87,615	7.7	156,137	154,659	1,478	1.0
31	Iowa.....	2,234,771	2,231,853	-7,082	-0.3	1,544,717	1,664,586	-119,869	-7.2	217,044	228,622	-11,578	-5.1
32	Missouri.....	3,293,335	3,106,645	186,690	6.0	1,894,518	1,963,234	-68,716	-3.5	277,244	284,886	-7,642	-2.7
33	North Dakota.....	577,056	319,146	257,910	80.8	513,820	285,784	228,036	79.8	74,360	45,332	29,028	64.0
34	South Dakota.....	583,888	401,570	182,318	45.4	507,215	353,625	153,590	43.4	77,644	52,622	25,022	47.6
35	Nebraska.....	1,192,214	1,066,300	125,914	11.8	881,362	804,447	76,915	9.6	129,678	121,525	8,153	6.7
36	Kansas.....	1,690,949	1,470,495	220,454	15.0	1,197,159	1,115,284	81,875	7.3	177,841	173,098	4,743	2.7
37	SOUTH ATLANTIC:												
38	Delaware.....	202,322	184,735	17,587	9.5	105,237	99,018	6,219	6.3	10,836	9,687	1,149	11.9
39	Maryland.....	1,295,346	1,188,044	107,302	9.0	637,154	594,911	42,243	7.1	48,923	46,012	2,911	6.3
40	District of Columbia.....	331,069	278,718	52,351	18.8					217	269	-52	-19.3
41	Virginia.....	2,061,612	1,854,184	207,428	11.2	1,555,083	1,499,323	55,760	3.7	184,018	167,886	16,132	9.6
42	West Virginia.....	1,221,119	958,860	262,259	27.4	992,877	821,336	171,541	20.9	96,685	92,574	3,811	4.1
43	North Carolina.....	2,206,287	1,893,810	312,477	16.5	1,887,813	1,685,595	202,218	12.0	253,725	224,637	29,088	12.9
44	South Carolina.....	1,515,400	1,340,316	175,084	13.1	1,290,568	1,168,406	122,522	11.0	176,434	155,355	21,079	13.6
45	Georgia.....	2,609,121	2,216,331	392,790	17.7	2,070,471	1,840,279	230,192	12.5	291,027	234,691	56,336	29.5
46	Florida.....	732,619	528,542	204,077	42.4	533,539	402,255	131,284	32.6	50,016	40,814	9,202	22.5
47	EAST SOUTH CENTRAL:												
48	Kentucky.....	2,289,905	2,147,174	142,731	6.6	1,734,463	1,663,941	70,522	4.2	259,185	234,667	24,518	10.4
49	Tennessee.....	2,184,789	2,020,616	164,173	8.1	1,743,744	1,684,894	58,850	3.5	246,012	224,623	21,389	9.5
50	Alabama.....	2,138,093	1,828,697	309,396	16.9	1,767,662	1,591,027	176,635	11.1	262,901	223,220	39,681	17.8
51	Mississippi.....	1,797,114	1,551,270	245,844	15.8	1,589,803	1,421,605	168,198	11.8	274,382	220,803	53,579	24.3
52	WEST SOUTH CENTRAL:												
53	Arkansas.....	1,574,449	1,311,564	262,885	20.0	1,371,768	1,179,845	191,923	16.3	214,678	178,694	35,984	20.1
54	Louisiana.....	1,656,388	1,381,625	274,763	19.9	1,159,872	1,000,628	159,244	15.9	120,546	115,969	4,577	3.9
55	Oklahoma.....	1,657,155	790,391	866,764	109.7	1,337,600	701,243	636,357	90.7	190,192	108,000	82,192	76.1
56	Texas.....	3,896,542	3,048,710	847,832	27.8	2,958,438	2,488,838	469,600	18.9	417,770	352,190	65,580	18.6
57	MOUNTAIN:												
58	Montana.....	376,053	243,329	132,724	54.5	242,633	153,853	88,780	57.7	26,214	13,370	12,844	96.1
59	Idaho.....	325,594	161,772	163,822	101.3	255,696	139,665	116,031	83.1	30,807	17,471	13,336	76.3
60	Wyoming.....	145,965	92,531	53,434	57.7	102,744	59,005	43,739	74.1	10,987	6,095	4,892	80.3
61	Colorado.....	799,024	539,700	259,324	48.0	394,184	270,038	124,146	46.0	46,170	24,700	21,470	86.9
62	New Mexico.....	327,301	195,310	131,991	67.6	280,730	168,826	111,904	66.3	35,676	12,311	23,365	189.6
63	Arizona.....	204,354	122,931	81,423	66.2	141,094	101,522	39,572	39.0	9,227	5,809	3,418	58.8
64	Utah.....	373,351	276,749	96,602	34.9	200,417	168,581	31,836	18.9	21,676	19,387	2,289	11.8
65	Nevada.....	81,875	42,335	39,540	93.4	68,508	37,835	30,673	81.1	2,689	2,184	505	23.1
66	PACIFIC:												
67	Washington.....	1,141,990	518,103	623,887	120.4	536,460	290,489	245,971	84.7	56,192	33,202	22,990	69.2
68	Oregon.....	672,765	413,536	259,229	62.7	365,705	270,696	95,009	35.1	45,502	35,837	9,665	27.0
69	California.....	2,377,549	1,485,053	892,496	60.1	907,810	674,860	232,950	34.5	88,197	72,542	15,655	21.6

¹ Less than one-tenth of 1 per cent.

² Less than one-hundredth of 1 per cent.



# FARMS AND FARM PROPERTY.

269

## DISTRIBUTION OF UNITED STATES TOTALS AMONG DIVISIONS AND STATES: 1910 AND 1900.

[A minus sign (—) denotes decrease.]

	Total land area (acres).	ALL LAND IN FARMS (ACRES).				IMPROVED LAND IN FARMS (ACRES).				PER CENT OF UNITED STATES TOTALS.							
		1916	1900	Increase.		1910	1900	Increase.		Land area.	Farms.		Farm land.		Improved.		
				Acres.	Per ct.			Acres.	Per ct.		1910	1900	1910	1900	1910	1900	
1	1,903,289,600	878,798,325	838,591,774	40,206,551	4.8	478,451,750	414,498,487	63,953,263	15.4	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
2	39,664,640	19,714,931	20,548,999	-834,068	-4.1	7,254,904	8,134,403	-879,499	-10.8	2.08	2.97	3.34	2.24	2.45	1.52	1.96	
3	64,000,000	43,101,056	44,960,090	-1,669,034	-3.7	29,320,891	30,786,211	-1,465,317	-4.8	3.36	7.36	8.46	4.91	5.35	6.13	7.43	
4	157,160,960	117,929,118	116,340,761	1,588,357	1.4	88,947,228	86,670,271	2,276,957	2.6	8.26	17.66	19.80	13.42	13.87	18.59	20.91	
5	326,914,560	232,618,121	201,008,713	31,639,408	15.7	164,284,862	135,643,828	28,641,034	21.1	17.18	17.45	18.49	26.47	23.97	34.34	32.72	
6	172,205,440	103,782,255	104,297,506	-515,251	-0.5	48,479,733	46,100,226	2,379,507	5.2	9.05	17.48	17.77	11.81	12.47	10.13	11.12	
7	114,885,760	81,520,629	81,247,643	272,986	0.3	43,946,816	40,237,337	3,709,509	9.2	6.04	16.39	15.74	9.28	9.69	9.19	9.71	
8	275,037,440	109,119,076	176,191,202	-7,341,226	-4.2	58,264,273	39,770,530	18,493,743	46.5	14.45	14.83	13.16	16.25	21.05	12.18	9.59	
9	549,840,000	59,533,420	46,397,284	13,136,136	28.3	15,915,002	8,402,576	7,512,426	80.4	28.89	2.88	1.77	6.77	5.53	3.33	2.03	
10	203,580,800	51,328,789	47,399,576	3,929,213	8.3	22,038,008	18,753,105	3,284,903	17.5	10.70	2.98	2.47	5.84	5.65	4.61	4.52	
11	19,132,800	6,296,859	6,299,946	-3,087	—(1)	2,360,657	2,386,889	-26,232	-1.1	1.01	0.94	1.03	0.72	0.75	0.49	0.58	
12	5,779,840	3,249,458	3,609,864	-360,406	-10.0	929,185	1,076,879	-147,694	-13.7	0.30	0.43	0.51	0.37	0.43	0.19	0.26	
13	5,839,360	4,663,577	4,724,440	-60,863	-1.3	1,633,965	2,126,624	-492,659	-23.2	0.31	0.51	0.58	0.33	0.56	0.34	0.51	
14	5,144,960	2,875,941	3,147,064	-271,123	-8.6	1,164,501	1,292,132	-127,631	-9.9	0.27	0.58	0.66	0.33	0.38	0.24	0.31	
15	682,880	443,308	455,062	-12,294	-2.7	178,344	187,354	-9,010	-4.8	0.04	0.08	0.10	0.05	0.05	0.04	0.05	
16	3,084,800	2,185,788	2,312,083	-126,295	-5.5	988,252	1,064,525	-76,273	-7.2	0.16	0.42	0.47	0.25	0.28	0.21	0.26	
17	30,498,560	22,030,367	22,648,109	-617,742	-2.7	14,844,039	15,599,986	-755,947	-4.8	1.60	3.29	3.95	2.51	2.70	3.10	3.76	
18	4,808,960	2,573,587	2,840,966	-267,109	-9.4	1,803,336	1,977,042	-173,706	-8.8	0.25	0.53	0.60	0.29	0.34	0.38	0.48	
19	28,692,480	18,586,832	19,371,015	-784,183	-4.0	12,673,519	13,209,183	-535,664	-4.1	1.51	3.45	3.91	2.11	2.31	2.65	3.19	
20	26,073,600	24,105,708	24,501,985	-396,277	-1.6	19,227,969	19,244,472	-16,503	-0.1	1.37	4.28	4.82	2.74	2.92	4.02	4.64	
21	23,068,800	21,299,823	21,619,623	-319,800	-1.5	16,931,252	16,680,358	250,894	1.5	1.21	3.39	3.87	2.42	2.58	3.54	4.02	
22	35,867,520	32,522,937	32,794,728	-271,791	-0.8	28,048,323	27,699,219	349,104	1.3	1.88	3.96	4.60	3.70	3.91	5.86	6.68	
23	36,787,200	18,940,614	17,561,698	1,378,916	7.9	12,832,978	11,799,250	1,033,728	8.8	1.93	3.25	3.54	2.16	2.09	2.68	2.85	
24	35,363,840	21,060,066	19,862,727	1,197,339	6.9	11,907,606	11,246,972	660,634	5.9	1.86	2.78	2.96	2.40	2.37	2.49	2.71	
25	51,749,120	27,675,823	26,248,498	1,427,325	5.4	19,643,532	18,442,585	1,200,948	6.5	2.72	2.45	2.70	3.15	3.18	4.11	4.45	
26	35,575,040	33,930,688	34,574,337	-643,649	-1.9	29,491,199	29,897,552	-406,353	-1.4	1.87	3.41	3.98	3.86	4.12	6.16	7.21	
27	43,985,280	34,591,248	33,997,573	593,675	1.7	24,581,186	22,900,043	1,681,143	7.3	2.31	4.36	4.97	3.94	4.05	5.14	5.52	
28	44,917,120	28,426,650	15,542,640	12,884,010	82.9	20,455,062	9,644,520	10,810,572	112.1	2.36	1.17	0.79	3.23	1.53	4.28	2.33	
29	49,195,520	26,016,892	19,070,616	6,946,276	36.4	15,827,208	11,285,983	4,541,225	40.2	2.58	1.22	0.92	2.96	2.27	3.31	2.72	
30	49,157,120	38,622,021	29,911,779	8,710,242	29.1	24,382,577	18,432,505	5,949,982	32.3	2.58	2.04	2.12	3.49	3.57	5.10	4.45	
31	52,335,360	43,384,799	41,662,970	1,721,829	4.1	29,904,067	25,040,550	4,863,517	19.4	2.75	2.80	3.02	4.94	4.97	6.25	6.04	
32	1,257,600	1,038,866	1,066,228	-27,362	-2.6	713,538	754,010	-40,472	-5.4	0.07	0.17	0.17	0.12	0.13	0.15	0.18	
33	6,362,240	5,057,140	5,170,075	-112,935	-2.2	3,354,767	3,516,352	-161,585	-4.6	0.33	0.77	0.80	0.58	0.62	0.70	0.85	
34	38,400	6,063	8,489	-2,426	-28.6	5,133	5,934	-801	-13.5	(*)							
35	25,767,680	19,495,636	19,907,883	-412,247	-2.1	9,579,058	10,094,805	-224,747	-2.2	1.35	2.89	2.93	2.22	2.27	2.06	2.44	
36	15,374,080	10,026,442	10,654,513	-628,071	-5.9	5,521,757	5,498,981	22,776	0.4	0.81	1.52	1.62	1.14	1.27	1.15	1.33	
37	31,193,600	22,439,129	22,749,356	-310,227	-1.4	8,413,056	8,327,106	86,950	0.8	1.64	3.99	3.92	2.55	2.71	1.84	2.01	
38	19,516,800	13,512,028	13,985,014	-472,986	-3.4	6,097,969	5,775,741	322,258	5.6	1.03	2.77	2.71	1.54	1.67	1.27	1.39	
39	37,584,000	26,953,413	26,392,057	561,356	2.1	12,298,017	10,615,644	1,682,373	15.8	1.97	4.57	3.92	3.07	3.15	2.57	2.56	
40	35,111,040	5,253,538	4,363,891	889,647	20.4	1,805,408	1,511,653	293,755	19.4	1.84	0.70	0.71	0.69	0.52	0.38	0.36	
41	25,715,840	22,189,127	21,979,422	209,705	1.0	14,354,471	13,741,968	612,503	4.5	1.35	4.07	4.09	2.52	2.62	3.00	3.32	
42	26,679,680	20,041,657	20,342,058	-300,401	-1.5	10,800,484	10,245,950	554,534	6.3	1.40	3.87	3.92	2.88	2.83	2.28	2.47	
43	32,818,560	20,732,312	20,685,427	46,885	0.2	9,693,581	8,654,991	1,038,590	12.0	1.72	4.13	3.89	2.36	2.47	2.03	2.09	
44	29,671,680	18,557,533	18,240,736	316,797	1.7	9,008,310	7,594,428	1,413,882	18.6	1.56	4.31	3.85	2.11	2.18	1.88	1.83	
45	33,616,000	17,416,075	16,636,719	779,356	4.7	8,076,254	6,933,745	1,122,519	16.1	1.77	3.37	3.11	1.98	1.98	1.69	1.68	
46	29,051,760	10,439,451	11,050,127	-619,646	-5.6	5,276,016	4,666,532	609,484	13.1	1.53	1.89	2.02	1.19	1.32	1.10	1.13	
47	44,424,960	28,859,353	32,988,339	-5,871,014	-25.5	17,551,337	18,574,187	-8,977,150	-104.7	2.33	2.99	1.88	3.28	2.74	3.67	2.07	
48	167,934,720	112,435,067	125,807,017	-13,371,950	-10.6	27,360,666	19,576,076	7,784,590	39.8	8.82	6.57	6.14	12.79	15.00	5.72	4.72	
49	93,968,640	13,645,603	11,844,454	1,701,149	14.4	3,640,309	1,736,791	1,903,608	109.6	4.92	0.41	0.23	1.54	1.41	0.76	0.42	
50	53,346,560	5,283,604	3,240,903	2,078,701	64.9	2,778,740	1,413,118	1,365,622	96.6	2.80	0.48	0.30	0.60	0.38	0.58	0.34	
51	62,460,160	8,543,010	8,124,536	418,474	5.2	1,256,100	792,332	463,828	58.5	3.28	0.17	0.11	0.97	0.97	0.26	0.19	
52	66,341,120	13,322,113	9,474,588	4,057,525	42.8	4,302,101	2,273,965	2,028,133	89.2	3.49	0.73	0.43	1.54	1.13	0.90	0.55	
53	78,401,920	11,270,021	5,130,875	6,139,143	119.7	1,467,191	326,873	1,140,318	348.9	4.12	0.56	0.21	1.28	0.61	0.31	0.08	
54	72,838,400	1,246,613	1,935,327	-688,714	-35.6	350,173	254,521	95,652	37.6	3.53	0.15	0.10	0.14	0.23	0.07	0.06	
55	52,597,760	3,397,699	4,116,951	-719,252	-17.5	1,368,211	1,032,117	336,094	32.6	2.76	0.34	0.34	0.39	0.49	0.29	0.25	
56	70,385,440	2,714,757	2,565,647	149,110	5.8	752,117	572,946	179,171	31.3	3.69	0.04	0.04	0.31	0.31	0.16	0.14	
57	42,775,940	11,712,235	8,499,297	3,212,938	37.8	6,373,311	3,465,960	2,907,351	83.9	2.25	0.88	0.58	1.33	1.01	1.33	0.84	
58	61,188,480	11,685,110	10,071,328	1,613,782	16.0	4,274,803	3,328,308	946,495	28.4	3.21	0.72	0.62	1.33	1.20	0.89	0.80	
59	99,617,280	27,931,444	28,828,951	-897,507	-3.1	11,389,891	11,958,837	-568,943	-4.8	5.23	1.39	1.26	3.18	3.44	2.38	2.88	

\* Includes Indian Territory.

In acreage of improved land in farms all of the divisions except the New England and Middle Atlantic show increases between 1900 and 1910. The West North Central division reported a much greater absolute increase than any other division, nearly 29,000,000 acres of improved land, or not far from half of the total increase for the United States, having been added during the decade. The percentage of increase was, however, less than in the West South Central and Mountain divisions. In the West South Central about 18,500,000 acres were added during the decade,

an increase of 46.5 per cent; and in the Mountain division over 7,500,000 acres, or 89.4 per cent. The three northernmost states in the South Atlantic division, namely, Delaware, Maryland, and Virginia, show decreases, which are, however, more than offset by the increases in the other five states of the division.

The following statement shows the changes in the number of farms, land in farms, and improved farm land during the past decade in the North, the South, and the West, and in the territory east and west of the Mississippi River, respectively:

Table 4	SECTION.	POPULATION.				NUMBER OF ALL FARMS.			
		1910	1900	Increase. <sup>1</sup>		1910	1900	Increase. <sup>1</sup>	
				Amount.	Per cent.			Amount.	Per cent.
United States	91 972 266	75 994 575	15 977 691	21.0	6 361 502	5 737 372	624 130	10.9	
The North	55 757 115	47 379 099	8 377 416	17.7	2 890 618	2 874 073	16 545	0.6	
The South	29 389 330	24 523 527	4 865 803	19.8	3 067 547	2 620 391	447 156	18.2	
The West	6 825 821	4 091 349	2 734 472	66.8	373 337	242 908	130 429	53.7	
East of the Mississippi	64 723 990	55 023 513	9 700 477	17.6	3 935 031	3 678 867	256 164	7.0	
West of the Mississippi	27 248 276	20 971 062	6 277 214	29.9	2 426 471	2 058 505	367 966	17.9	
		ALL LAND IN FARMS (ACRES).				IMPROVED LAND IN FARMS (ACRES).			
United States	878 798 325	838 591 774	40 206 551	4.6	476 451 750	414 498 467	63 953 283	15.4	
The North	413 453 256	382 758 503	30 724 693	8.0	289 807 888	261 234 713	28 573 175	10.9	
The South	354 452 840	302 036 351	7 583 491	-2.1	150 690 852	126 108 093	24 582 759	19.5	
The West	110 862 209	93 796 860	17 065 349	18.2	37 953 010	27 155 681	10 797 329	39.8	
East of the Mississippi	366 138 019	367 294 999	-1 156 980	-0.3	217 949 605	211 928 448	6 021 157	2.8	
West of the Mississippi	512 660 306	471 296 775	41 363 531	8.8	260 502 145	202 570 039	57 932 106	28.6	

<sup>1</sup> A minus sign (-) denotes decrease.

The increase of over 30,000,000 acres of land in farms in the North was almost wholly confined to the West North Central division. In the South there was an apparent decrease, owing entirely to the conditions in Louisiana and Texas, already described. The West shows a smaller absolute increase, but a greater percentage of increase, than the North.

In acreage of improved farm land the North shows the greatest absolute increase during the decade, but in the South the absolute increase was nearly as great and the percentage of increase nearly twice as great, while in the West the absolute increase was about one-third as great, but the percentage of increase almost four times as high as in the North.

**Percentage of land in farms and percentage improved.**—Wide differences exist among the several states and divisions in the proportion of their total area which has been brought into farms, and also in the proportion of the farm land which has been improved. Table 5 shows these differences by means of percentages calculated from the figures in Table 3. The definition of improved land given in the note on page 265 should be borne in mind, since it is probable that the differences in the proportion of land improved and the changes in this proportion from census to census are due partly to differences in interpretation as to what constitutes improved land in different sections of the country and at different censuses.

The map on page 272 shows, by counties, the proportion which land in farms represents of the total land

area, and the map on page 273 shows the proportion which improved land represents of the total land area.

The East North Central division leads all other geographic divisions in the extent to which its land area has been brought into farms, exactly three-fourths of its total land area consisting of farm land. The proportions in the West North Central and East South Central divisions in each case exceed 70 per cent. The Middle Atlantic, West South Central, and South Atlantic divisions have each over 60 per cent of their total land area in farms, but in the New England division the proportion falls slightly below 50 per cent; in the Pacific division it is only 25.2 per cent; and in the Mountain division only 10.8 per cent.

The divisions rank somewhat differently with respect to the proportion of their area which is represented by improved farm land, these differences in ranking being due of course to the differences among the divisions in the percentage which improved land represents of the total farm land. The East North Central division again ranks first, 56.6 per cent of its total land area consisting of improved farm land, and the West North Central division ranks second, with 50.3 per cent. The Middle Atlantic division, however, ranks third, followed by the East South Central and South Atlantic. In each of the five divisions just named the improved farm land constituted more than one-fourth of the total land area, but in the West South Central, New England, Pacific, and

Mountain divisions the proportion is below one-fourth, and, in fact, in the Mountain division it is only 2.9 per cent.

With respect to the proportion which improved land represents of all land in farms, the New England and Middle Atlantic divisions reported a decline between 1900 and 1910, as shown in the table below, but in each of the other seven divisions the proportion was larger in the later year, the change being most conspicuous in the West South Central and Mountain divisions.

DIVISION OR STATE.	PER CENT LAND IN FARMS FORMS OF TOTAL LAND AREA.		PER CENT OF FARM LAND IMPROVED.		PER CENT OF TOTAL LAND IMPROVED.	
	1910	1900	1910	1900	1910	1900
	1910	1900	1910	1900	1910	1900
United States.....	46.2	44.1	54.4	49.4	25.1	21.8
<b>GEOGRAPHIC DIVISIONS:</b>						
New England.....	49.7	51.8	36.8	39.6	18.3	20.5
Middle Atlantic.....	67.5	70.1	67.9	68.6	45.8	48.1
East North Central.....	75.0	74.1	75.4	74.5	56.6	55.2
West North Central.....	71.2	61.5	70.6	67.5	50.3	41.5
South Atlantic.....	60.3	60.4	46.7	44.2	28.1	26.8
East South Central.....	71.0	70.7	53.9	49.5	38.2	35.0
West South Central.....	61.5	64.2	34.4	22.5	21.2	14.5
Mountain.....	10.8	8.4	26.7	18.1	2.9	1.5
Pacific.....	25.2	23.3	42.9	39.6	10.8	9.2
<b>NEW ENGLAND:</b>						
Maine.....	32.9	32.9	37.5	37.9	12.3	12.5
New Hampshire.....	56.2	56.5	28.6	29.8	16.1	18.6
Vermont.....	79.9	80.9	35.0	43.0	28.0	36.4
Massachusetts.....	55.9	61.2	40.5	41.1	22.6	25.1
Rhode Island.....	64.9	66.7	40.2	41.1	26.1	27.4
Connecticut.....	70.9	74.9	45.2	46.0	32.0	34.5
<b>MIDDLE ATLANTIC:</b>						
New York.....	72.2	74.3	67.4	68.9	48.7	51.1
New Jersey.....	53.5	59.1	70.1	69.6	37.5	41.1
Pennsylvania.....	64.8	67.5	68.2	68.2	44.2	46.0
<b>EAST NORTH CENTRAL:</b>						
Ohio.....	92.5	94.0	78.8	78.5	73.7	73.8
Indiana.....	92.3	94.1	79.5	77.2	73.4	72.6
Illinois.....	90.7	91.5	82.2	84.5	78.2	77.3
Michigan.....	51.5	47.7	67.5	67.2	34.9	32.1
Wisconsin.....	59.6	56.2	56.5	56.6	33.7	31.8
<b>WEST NORTH CENTRAL:</b>						
Minnesota.....	53.5	50.7	71.0	70.3	38.0	35.6
Iowa.....	95.4	97.2	86.9	86.5	82.9	84.0
Missouri.....	78.6	77.3	71.1	67.4	55.9	52.1
North Dakota.....	63.3	34.6	72.0	62.1	45.5	21.5
South Dakota.....	52.9	38.8	40.8	52.2	32.5	27.3
Nebraska.....	78.6	60.8	63.1	61.6	49.6	37.5
Kansas.....	82.9	79.6	68.9	60.1	57.1	47.8
<b>SOUTH ATLANTIC:</b>						
Alabama.....	82.6	84.8	68.7	70.7	56.7	60.0
Maryland.....	79.5	81.3	66.3	68.0	52.7	55.3
District of Columbia.....	15.8	22.1	84.7	69.9	13.4	15.5
Virginia.....	75.7	77.3	50.6	50.7	38.3	39.2
West Virginia.....	65.2	69.3	55.1	51.6	35.9	35.8
North Carolina.....	71.9	72.9	39.3	36.6	28.3	26.7
South Carolina.....	69.2	71.7	45.1	41.3	31.2	29.6
Georgia.....	71.7	70.2	45.6	40.2	32.7	28.2
Florida.....	15.0	12.4	34.4	34.6	5.4	4.3
<b>EAST SOUTH CENTRAL:</b>						
Kentucky.....	86.3	85.5	64.7	62.5	55.8	53.4
Tennessee.....	75.1	76.2	54.3	50.4	40.8	38.4
Alabama.....	62.2	63.0	48.8	41.8	32.7	27.3
Mississippi.....	62.5	61.5	48.5	41.6	30.4	25.6
<b>WEST SOUTH CENTRAL:</b>						
Arkansas.....	51.8	49.5	46.4	41.8	24.0	20.7
Louisiana.....	55.9	58.1	50.5	42.2	18.2	16.1
Oklahoma.....	65.0	51.7	60.8	37.3	39.5	19.3
Texas.....	67.0	74.9	24.3	15.6	16.3	11.7
<b>MOUNTAIN:</b>						
Montana.....	14.5	12.7	26.9	14.7	3.9	1.9
Idaho.....	9.9	6.0	52.6	41.1	5.2	2.6
Wyoming.....	13.7	13.0	14.7	9.8	2.0	1.3
Colorado.....	20.4	14.3	31.8	24.0	6.5	3.4
New Mexico.....	14.4	6.5	13.0	6.4	1.8	0.4
Arizona.....	1.7	2.7	28.1	13.2	0.5	0.3
Utah.....	6.5	7.8	40.3	25.1	2.6	2.0
Nevada.....	3.9	3.7	27.7	22.3	1.1	0.8
<b>PACIFIC:</b>						
Washington.....	27.4	19.9	54.4	40.8	14.9	8.1
Oregon.....	19.1	16.5	36.6	33.0	7.0	5.4
California.....	28.0	28.9	40.8	41.5	11.4	12.0

In the North, as shown in Table 6, improved farm land represents 49.3 per cent of the total land area; in the South, 26.8 per cent; and in the West, 5 per cent. East of the Mississippi the proportion is 39.8 per cent; west of the river, 19.2.

Table 6

SECTION.	PER CENT LAND IN FARMS FORMS OF TOTAL LAND AREA.		PER CENT OF FARM LAND IMPROVED.		PER CENT OF TOTAL LAND AREA IMPROVED.	
	1910	1900	1910	1900	1910	1900
United States.....	46.2	44.1	54.4	49.4	25.1	21.8
The North.....	70.4	65.1	70.1	68.3	49.3	44.5
The South.....	63.1	64.4	42.5	34.8	26.8	22.4
The West.....	14.7	12.4	34.2	23.0	5.0	8.6
East of the Mississippi.....	66.8	67.1	59.5	57.7	39.8	38.7
West of the Mississippi.....	37.8	34.8	50.8	45.0	19.2	14.9

**Average size of farms.**—Table 13, on page 280, shows the average acreage and improved acreage per farm.

The farms are smaller in the older sections of the country than in the newer. They are, also, in general, smaller in the Southern states than in the Northern. This latter condition, however, is due largely to the fact that the land operated by each tenant is, in the census statistics, treated as a separate farm. In certain Southern states there are still many so-called plantations consisting of several or even many tenant holdings. In many cases these plantations as a whole are as truly agricultural units as large farms in the North operated by hired labor.

More specifically, the average size of farms is smallest in the East South Central division—78.2 acres. It is 92.2 acres in the Middle Atlantic division, 93.3 in the South Atlantic, 104.4 in the New England, and 105 in the East North Central. These five divisions do not differ so widely from one another as they all do from the four divisions lying west of the Mississippi River, in which the farms average much larger, ranging from 179.3 acres in the West South Central to 324.5 acres in the Mountain division. From the standpoint of cultivation of the soil, as distinguished from grazing, the average number of improved acres per farm furnishes a better basis for comparison of size than the average number of acres of all land, and in this respect the divisions rank quite differently.

While the average size of farms in the country as a whole has decreased about 6 per cent since 1900, it has increased in the East and West North Central divisions, and in the New England and Middle Atlantic divisions the decrease is small. But in the three southern divisions and in the Mountain and Pacific divisions the decrease in the size of farms has been conspicuous.

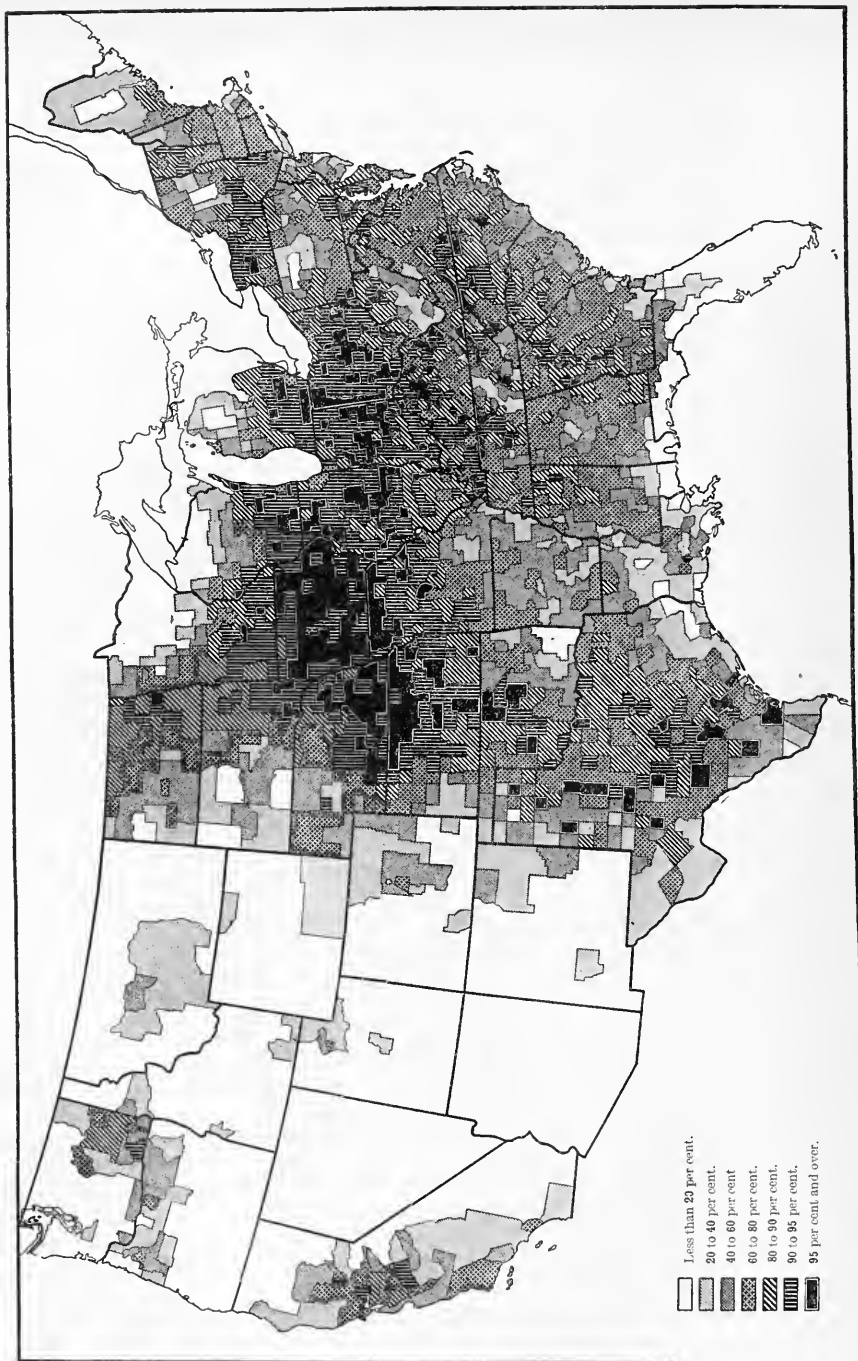
The following table shows the average size of farms in the North, the South, and the West, and in the territory east and west of the Mississippi, respectively:

Table 7

SECTION.	AVERAGE ACRES OF LAND PER FARM.		AVERAGE IMPROVED ACRES PER FARM.	
	1910	1900	1910	1900
United States.....	138.1	146.2	75.2	72.2
The North.....	142.0	133.2	100.3	96.9
The South.....	114.4	138.2	48.6	48.1
The West.....	296.9	386.1	101.7	111.8
East of the Mississippi.....	93.0	99.8	55.4	57.6
West of the Mississippi.....	211.3	229.0	10.4	95.4

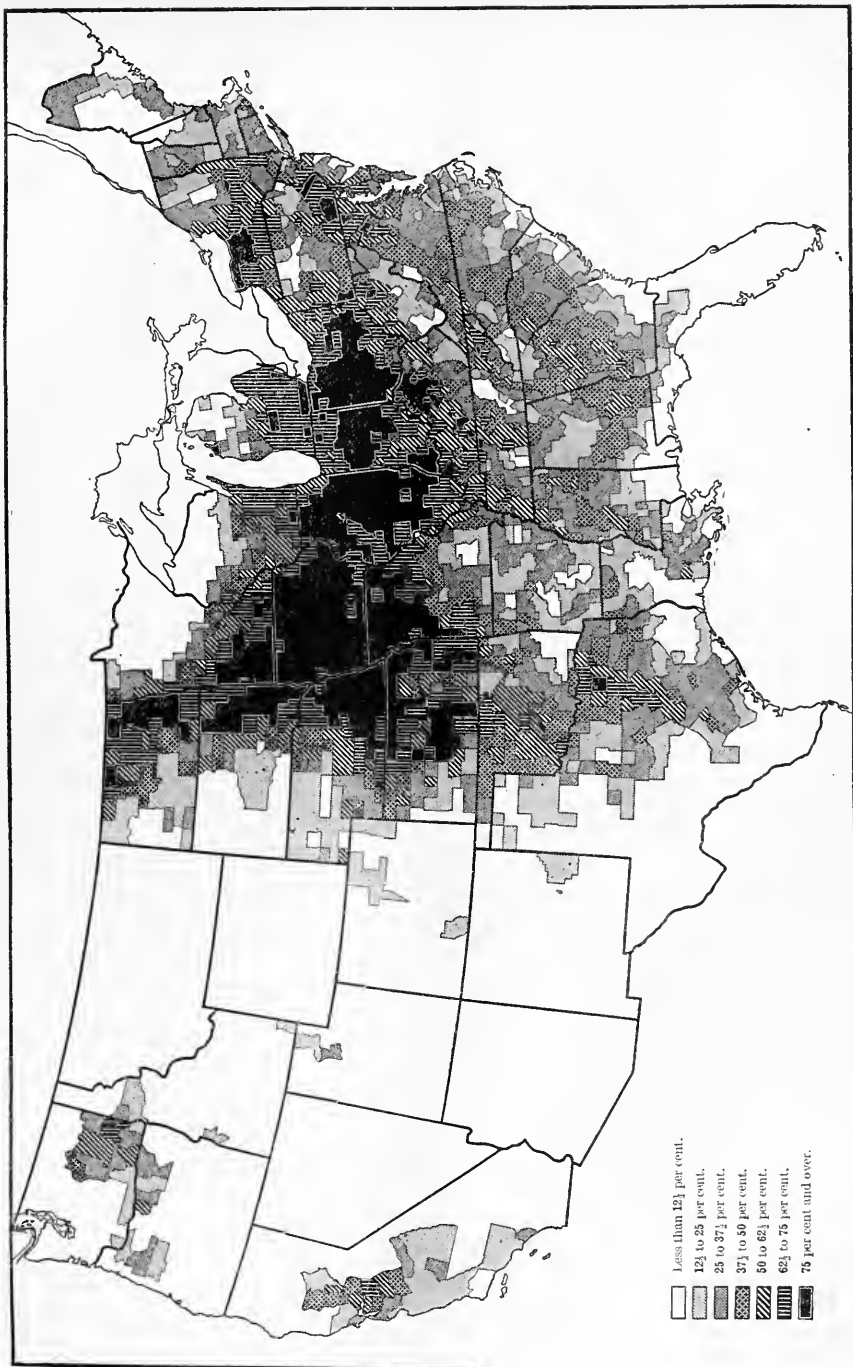
# PER CENT LAND IN FARMS FORMS OF TOTAL LAND AREA, BY COUNTIES: 1910.

[Per cent for the United States, 46.2.]



# PER CENT IMPROVED LAND IN FARMS FORMS OF TOTAL LAND AREA, BY COUNTIES: 1910.

[Per cent for the United States, 25.1.]



## VALUE OF FARM PROPERTY, BY DIVISIONS AND STATES: 1910 AND 1900.

**Geographic distribution of farm values.**—Table 10 (pp. 276 and 277) shows for each division and state for 1910 and 1900 the value of all farm property and that of each class, together with increases.

The distribution of farm values among the divisions and states of the country differs quite radically from the distribution of land in farms, since there are wide differences in the average value of farm land and farm equipment per acre in the different sections of the country. The following table shows what percentage of the total value of all farm property and of each class thereof in the United States is reported from each geographic division or section:

DIVISION OR SECTION.	PER CENT OF UNITED STATES TOTALS.				
	All farm property.	Land.	Buildings.	Implements and machinery.	Live stock.
<b>United States</b> .....	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
New England.....	2.1	1.3	5.3	4.0	2.0
Middle Atlantic.....	7.2	5.1	15.5	13.2	7.1
East North Central.....	24.7	25.4	26.0	21.2	19.3
West North Central.....	33.0	35.3	24.7	29.2	31.5
South Atlantic.....	7.2	6.6	9.5	7.8	7.4
East South Central.....	5.3	4.7	6.5	6.0	7.5
West South Central.....	9.4	9.5	6.5	9.5	12.0
Mountain.....	4.3	4.1	2.3	3.9	7.9
Pacific.....	6.8	7.9	3.7	5.2	4.8
<b>The North</b> .....	<b>67.0</b>	<b>67.2</b>	<b>71.5</b>	<b>67.7</b>	<b>69.4</b>
<b>The South</b> .....	<b>21.9</b>	<b>20.8</b>	<b>22.6</b>	<b>23.2</b>	<b>26.9</b>
<b>The West</b> .....	<b>11.1</b>	<b>12.0</b>	<b>6.0</b>	<b>9.1</b>	<b>12.7</b>
East of the Mississippi.....	46.5	43.1	62.8	52.2	43.8
West of the Mississippi.....	53.5	56.9	37.2	47.8	56.2

Table 8 shows that nearly one-third of the total value of farm property in 1910 was found in the West North Central division alone, and nearly one-fourth in the East North Central, leaving only about 42 per cent for the other seven geographic divisions. An examination of Table 10, however, shows that the East North Central division had a smaller proportion of the total value of farm property in 1910 than in 1900. The same is true of three other easterly divisions, the New England, Middle Atlantic, and East South Central; but the South Atlantic division and all four of the divisions lying west of the Mississippi River contributed a larger proportion of the total value of farm property in the later year than in the earlier.

In the North as a whole the value of farm property in 1910 constituted 67 per cent of the total for the United States; in the South, 21.9 per cent; and in the

West, 11.1 per cent. The territory east of the Mississippi River comprised 46.5 per cent of all farm property and that west of the river 53.5 per cent.

**Increase in value of farm property.**—Between 1900 and 1910 the total value of farm property in the United States doubled, increasing 100.5 per cent. This extraordinary increase in value has been shared by every state. (The District of Columbia, although listed in the tables, counts for but little in agricultural statistics.) Moreover, there has been an increase in every state in the value of each class of farm property, with the sole exception of the value of implements and machinery in Louisiana. The apparent decrease in this item in Louisiana is misleading, being due mainly, if not wholly, to the fact that the returns for 1900 included as implements and machinery the equipment of sugar mills on plantations, which was excluded, as being manufacturing property, in 1910.

In absolute amount of increase in the value of all farm property the West North Central division far exceeds any other, the increase of \$7,714,000,000 there representing considerably more than one-third of the total increase for the entire country. The East North Central, West South Central, and Pacific divisions follow, in the order named, in the absolute amounts added to the value of farm property. The divisions, however, rank differently with respect to the percentages of increase. The Mountain division shows the most remarkable relative increase, 192.3 per cent, followed in order by the Pacific, West South Central, West North Central, and South Atlantic divisions. In each of these five divisions the increase exceeded 100 per cent. The lowest rate of increase was in the Middle Atlantic division, 28.1 per cent.

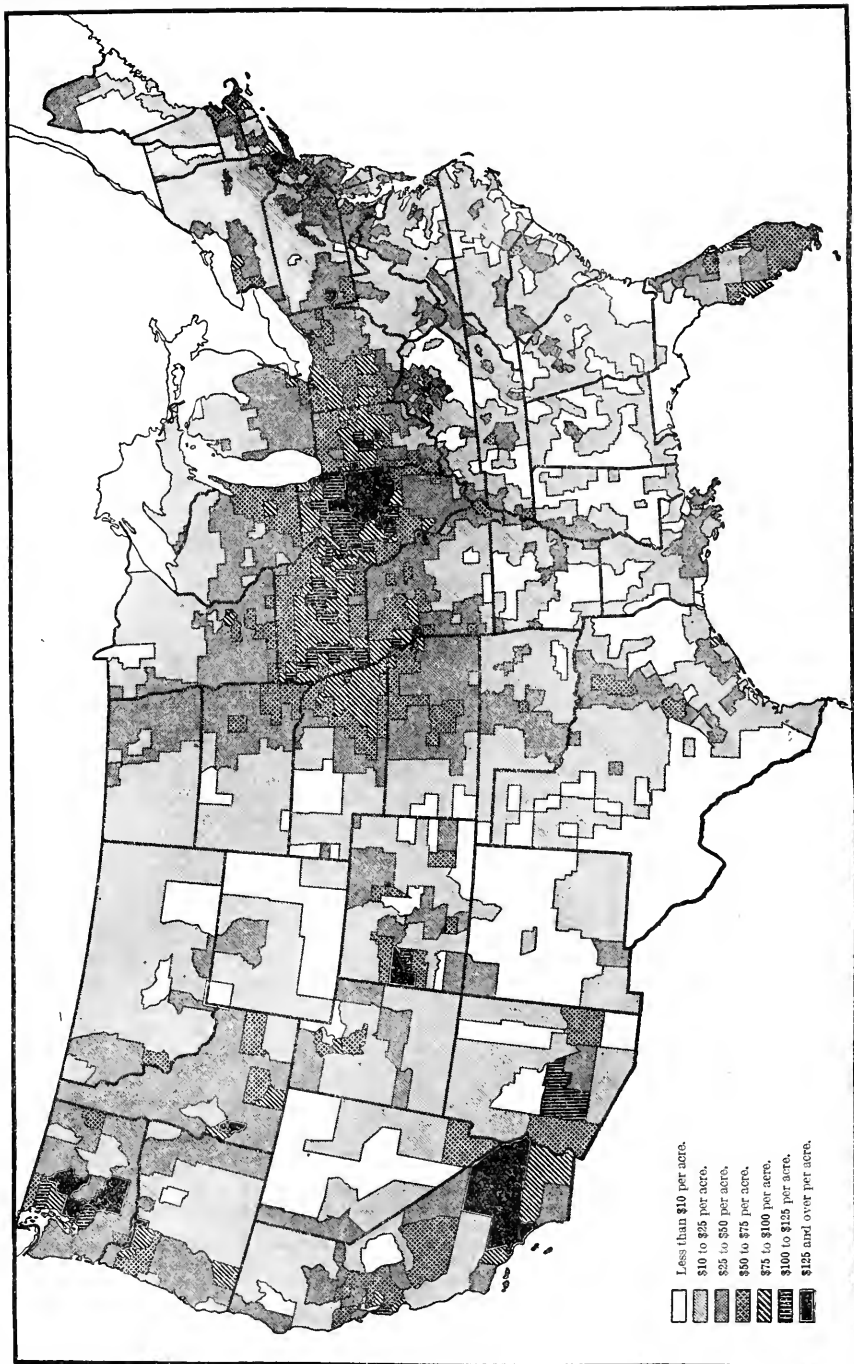
As shown in Table 9, the relative increase in the value of all farm property in the South, 110.1 per cent, exceeded that in the North, 90.1 per cent; but both, as might be expected, fell below the West, in which the increase was 164.7 per cent. The absolute increase in the North, however, over \$13,000,000,000, greatly exceeded that in the other two sections combined, representing in fact almost two-thirds of the total increase for the United States. For the entire territory east of the Mississippi River the percentage of increase in the value of all farm property was 69.1 and for the territory west of the river 139.3.

SECTION.	VALUE OF ALL FARM PROPERTY.			PER CENT OF INCREASE: 1900-1910				
	1910	1900	Increase.	All farm property.	Land.	Buildings.	Implements and machinery.	Live stock.
<b>United States</b> .....	<b>\$40,951,449,090</b>	<b>\$20,439,901,164</b>	<b>\$20,551,547,926</b>	<b>100.5</b>	<b>118.1</b>	<b>77.8</b>	<b>68.7</b>	<b>60.1</b>
The North.....	27,481,267,066	14,455,452,476	13,025,814,590	90.1	104.2	69.2	65.6	56.8
The South.....	8,972,120,889	4,269,854,719	4,702,272,170	110.1	131.3	98.0	62.9	63.5
The West.....	4,538,055,145	1,714,593,969	2,823,461,176	164.7	203.5	125.0	119.0	70.1
East of the Mississippi.....	19,079,930,067	11,284,358,101	7,795,571,966	69.1	73.4	62.5	56.7	62.0
West of the Mississippi.....	21,911,518,993	9,155,543,063	12,755,975,930	139.3	171.0	111.6	84.2	58.7

# AVERAGE VALUE OF LAND IN FARMS PER ACRE, BY COUNTIES: 1910.

[Average for the United States, \$32.40.]

NOTE.—The averages are based only on land in farms, each county as a whole being shaded according to the average value of such land per acre, even though only a small proportion of the county may be occupied by farm land. Comparison should be made between this map and the map on page 272.



## FARM PROPERTY—VALUE OF EACH CLASS OF FARM PROPERTY, WITH AMOUNTS

[A minus sign (—) denotes decrease.]

Table 10	DIVISION OR STATE.	ALL FARM PROPERTY.				LAND.			
		1910	1900	Increase.		1910	1900	Increase.	
				Amount.	Per cent.			Amount.	Per cent.
1	<b>United States.....</b>	<b>\$40,991,449,090</b>	<b>\$20,439,901,164</b>	<b>\$20,551,547,926</b>	<b>100.5</b>	<b>\$28,475,674,169</b>	<b>\$13,058,007,995</b>	<b>\$15,417,666,174</b>	<b>118.1</b>
<b>GEOGRAPHIC DIVISIONS:</b>									
2	New England.....	867,240,437	639,645,900	227,594,537	35.6	382,134,424	283,460,803	98,673,621	34.8
3	Middle Atlantic.....	2,959,589,022	2,310,886,728	648,702,294	28.1	1,402,321,005	1,219,928,060	242,392,915	19.9
4	East North Central.....	10,119,128,066	5,683,925,367	4,435,202,699	78.0	7,231,699,114	3,973,023,789	3,258,675,334	82.0
5	West North Central.....	13,535,309,511	5,829,904,481	7,714,315,030	132.5	10,032,560,913	3,892,877,273	6,139,683,640	158.2
6	South Atlantic.....	2,951,200,773	1,451,031,316	1,497,169,457	103.0	1,883,349,675	899,826,936	983,528,739	109.3
7	East South Central.....	2,182,771,779	1,195,868,790	986,902,989	82.5	1,326,826,864	708,153,451	618,673,413	87.4
8	West South Central.....	3,838,154,337	1,619,954,613	2,218,199,724	136.9	2,716,008,530	953,783,502	1,762,225,028	184.8
9	Mountain.....	1,757,573,368	601,264,180	1,156,309,188	192.3	1,174,370,096	284,064,390	890,305,706	313.4
10	Pacific.....	2,780,481,777	1,113,329,789	1,667,151,988	149.7	2,246,313,548	842,803,290	1,403,510,258	186.5
<b>NEW ENGLAND:</b>									
11	Maine.....	199,271,998	122,410,904	76,861,094	62.8	86,481,395	49,339,450	37,121,945	75.2
12	New Hampshire.....	103,704,196	85,842,096	17,862,100	20.8	44,519,047	35,498,760	9,020,287	25.4
13	Vermont.....	145,309,728	108,451,427	36,948,301	34.1	58,385,327	45,813,905	12,571,422	27.4
14	Massachusetts.....	226,474,025	182,646,704	43,827,321	24.0	105,532,616	86,925,410	18,607,206	21.4
15	Rhode Island.....	32,990,739	26,089,189	6,901,550	22.2	15,009,981	13,421,770	1,588,211	11.8
16	Connecticut.....	159,399,771	113,305,580	46,094,191	40.7	72,206,058	52,441,508	19,764,550	37.7
<b>MIDDLE ATLANTIC:</b>									
17	New York.....	1,451,481,495	1,069,723,895	381,757,600	35.7	707,747,828	551,174,220	156,573,608	28.4
18	New Jersey.....	254,832,665	189,533,660	65,299,005	34.5	124,143,167	93,360,930	30,782,237	33.0
19	Pennsylvania.....	1,253,274,862	1,031,629,173	201,645,689	19.2	630,430,010	575,392,940	55,037,070	9.6
<b>EAST NORTH CENTRAL:</b>									
20	Ohio.....	1,902,694,589	1,198,923,946	703,770,643	58.7	1,285,894,812	817,163,710	468,731,102	57.4
21	Indiana.....	1,809,135,238	978,618,471	830,516,767	84.9	1,328,196,545	687,633,460	640,563,085	93.2
22	Illinois.....	3,995,321,075	2,004,316,897	1,991,004,178	94.8	3,090,411,148	1,514,113,970	1,576,297,178	104.1
23	Michigan.....	1,088,838,379	690,355,734	398,502,645	57.7	615,258,348	423,569,950	191,688,398	45.3
24	Wisconsin.....	1,413,118,785	811,712,319	601,406,466	74.1	911,938,261	530,542,630	381,395,631	71.9
<b>WEST NORTH CENTRAL:</b>									
25	Minnesota.....	1,476,411,737	788,684,642	687,727,095	87.2	1,019,102,027	559,301,900	459,800,127	82.2
26	Iowa.....	3,745,860,544	1,834,545,546	1,911,314,998	104.2	2,801,973,729	1,546,751,980	1,255,221,749	123.0
27	Missouri.....	2,062,917,488	1,133,121,897	1,019,795,591	98.7	1,445,982,389	695,470,723	750,511,666	107.9
28	North Dakota.....	974,814,205	255,266,751	719,547,454	281.9	736,380,131	173,352,270	563,027,861	321.3
29	South Dakota.....	1,166,096,580	297,525,302	868,571,278	291.9	902,660,751	189,206,590	713,454,161	377.1
30	Nebraska.....	2,679,818,647	747,950,057	1,931,868,590	178.1	1,614,539,313	486,065,900	1,127,933,413	231.8
31	Kansas.....	2,639,389,910	804,100,286	1,774,289,624	136.0	1,537,976,573	532,187,610	1,005,788,963	189.0
<b>SOUTH ATLANTIC:</b>									
32	Delaware.....	63,179,201	40,697,654	22,481,547	55.2	34,938,161	23,768,820	11,169,341	47.0
33	Maryland.....	286,167,028	204,645,407	81,521,621	39.8	163,451,614	120,367,550	43,084,064	35.8
34	District of Columbia.....	8,476,533	11,535,376	-3,058,843	-26.5	7,193,950	9,769,230	-2,566,280	-25.8
35	Virginia.....	625,065,383	323,515,977	301,549,406	93.2	394,658,912	200,615,080	194,043,832	96.7
36	West Virginia.....	314,758,540	203,967,319	110,811,101	54.4	207,075,750	134,209,110	72,866,640	54.2
37	North Carolina.....	537,716,210	233,834,603	303,881,617	130.0	343,164,945	141,955,490	201,209,455	141.7
38	South Carolina.....	592,128,314	153,591,159	438,537,155	155.3	268,774,854	99,806,860	168,968,994	169.3
39	Georgia.....	580,546,381	228,374,637	352,171,744	154.2	370,353,415	138,515,130	231,837,985	167.4
40	Florida.....	133,183,183	53,929,064	89,254,119	165.5	93,738,065	30,825,016	62,913,049	204.1
<b>EAST SOUTH CENTRAL:</b>									
41	Kentucky.....	773,797,880	471,045,856	302,752,024	64.3	484,464,617	291,117,430	193,347,187	66.4
42	Tennessee.....	612,520,836	341,202,025	271,318,811	79.5	371,415,783	207,730,700	163,685,083	83.9
43	Alabama.....	570,138,429	179,399,882	390,738,547	106.3	216,944,175	100,165,571	116,778,604	116.6
44	Mississippi.....	426,314,634	204,221,027	222,093,607	108.8	254,002,289	114,856,660	139,145,629	121.1
<b>WEST SOUTH CENTRAL:</b>									
45	Arkansas.....	400,089,363	181,416,061	218,673,302	120.5	246,021,450	105,106,650	140,914,800	134.1
46	Louisiana.....	301,220,988	198,536,906	102,684,082	51.7	187,803,277	107,730,210	80,073,067	74.3
47	Oklahoma.....	918,198,882	277,525,433	640,673,449	230.9	640,666,668	149,397,900	490,668,768	334.5
48	Texas.....	2,218,645,164	962,476,273	1,256,168,891	130.5	1,633,297,135	591,556,802	1,041,656,333	176.1
<b>MOUNTAIN:</b>									
49	Montana.....	347,828,770	117,859,823	229,968,947	195.1	226,771,202	52,660,566	174,110,636	330.6
50	Idaho.....	305,317,185	67,271,202	238,045,983	353.9	219,033,316	35,486,368	183,546,948	519.8
51	Wyoming.....	167,189,081	67,477,407	99,711,674	147.8	88,908,276	23,434,010	65,474,266	279.4
52	Colorado.....	491,471,906	161,045,161	330,426,705	205.2	362,822,205	90,341,323	272,480,882	301.6
53	New Mexico.....	159,447,900	53,767,824	105,680,166	196.6	98,806,497	17,323,760	81,482,738	470.4
54	Arizona.....	75,123,970	29,993,847	45,130,123	150.5	42,349,737	11,416,169	30,933,568	271.0
55	Utah.....	156,795,201	75,175,141	81,620,060	100.6	99,482,164	40,125,560	59,356,604	147.9
56	Nevada.....	10,399,365	28,673,835	31,725,530	116.6	35,276,599	13,275,620	22,000,979	165.7
<b>PACIFIC:</b>									
57	Washington.....	637,543,411	144,040,547	493,502,864	342.6	517,421,998	99,310,510	418,111,488	421.0
58	Oregon.....	528,243,782	172,761,287	355,482,495	205.8	411,096,102	113,137,820	298,558,282	263.9
59	California.....	1,644,694,584	796,827,955	847,866,629	102.7	1,317,135,448	630,141,900	686,993,548	108.9

† Includes Indian Territory.



# FARMS AND FARM PROPERTY.

277

AND PERCENTAGES OF INCREASE, BY DIVISIONS AND STATES: 1910 AND 1900.

[A minus sign (—) denotes decrease.]

	BUILDINGS.				IMPLEMENTS AND MACHINERY.				LIVE STOCK.			
	1910	1900	Increase.		1910	1900	Increase.		1910	1900	Increase.	
			Amount.	Per cent.			Amount.	Per cent.			Amount.	Per cent.
1	\$6,325,451,528	\$3,556,639,496	\$2,768,812,032	77.8	\$1,265,149,783	\$749,775,970	\$515,373,813	68.7	\$4,925,173,610	\$3,075,477,703	\$1,849,695,907	60.1
2	336,410,384	244,806,945	91,603,439	37.4	50,798,826	36,551,820	14,247,006	39.0	97,896,823	74,826,332	23,070,491	30.8
3	980,628,098	729,069,850	251,558,248	34.5	167,480,384	116,233,270	51,247,114	44.1	349,159,535	245,635,513	103,524,017	42.1
4	1,642,292,480	939,573,600	702,718,880	74.8	268,806,530	166,694,220	102,112,310	61.3	976,929,922	694,633,707	282,296,215	61.5
5	1,562,104,957	758,405,725	803,699,232	106.0	368,935,544	197,367,540	171,568,004	86.9	1,551,708,097	972,343,643	579,364,454	60.6
6	603,086,799	306,528,682	296,558,117	96.7	98,230,147	53,318,890	44,911,257	81.2	306,534,152	194,362,808	112,171,344	88.6
7	411,570,975	225,627,872	185,943,103	82.4	75,339,333	48,767,235	26,572,098	54.5	369,034,607	213,320,732	155,713,875	73.0
8	412,498,352	185,105,506	227,392,846	122.8	119,720,377	77,925,050	41,795,327	53.6	589,837,078	403,138,495	186,698,583	46.3
9	145,026,777	54,554,802	90,471,975	165.8	49,249,975	18,507,620	30,742,355	162.8	288,746,520	243,836,888	44,909,632	59.4
10	231,832,706	112,966,894	118,865,812	105.2	66,408,647	34,090,025	32,318,622	94.8	235,926,876	123,379,580	112,547,296	91.2
11	73,138,231	47,142,700	25,995,531	55.1	14,400,533	8,802,720	5,597,813	64.6	25,161,839	17,106,934	8,054,905	47.1
12	41,397,014	34,625,600	6,771,414	19.6	5,877,657	5,163,090	714,567	13.8	11,910,478	10,554,646	1,355,832	12.8
13	54,202,948	37,257,715	16,945,233	45.5	10,168,687	7,538,490	2,630,197	34.9	22,642,766	17,841,317	4,801,449	26.9
14	88,636,149	71,093,880	17,542,269	24.7	11,563,894	8,828,950	2,734,944	31.0	20,741,366	15,798,464	4,942,902	31.3
15	12,922,879	9,703,490	3,219,389	33.2	1,781,407	1,270,270	511,137	70.2	2,370,472	2,593,669	682,193	26.3
16	66,113,163	44,983,560	21,129,603	47.0	6,916,648	4,948,300	1,968,348	39.8	14,163,902	10,932,212	3,231,690	29.6
17	476,998,001	336,959,960	140,038,041	41.6	83,644,822	56,006,000	27,638,822	49.3	183,099,844	125,583,715	57,507,129	45.8
18	99,091,352	69,230,080	29,861,272	34.3	13,109,507	9,330,030	3,779,477	40.5	24,588,639	17,612,620	6,976,019	39.1
19	410,638,745	322,879,810	87,758,935	27.2	70,726,055	50,917,240	19,808,815	38.9	141,480,052	102,439,183	39,040,869	38.6
20	368,237,594	219,451,470	148,806,124	67.8	51,210,071	36,354,150	14,855,921	40.9	197,332,112	125,954,616	71,377,496	56.7
21	266,079,051	154,101,880	111,977,171	72.7	40,999,541	27,370,370	13,629,171	50.0	173,860,101	109,550,761	64,309,340	58.7
22	432,381,422	251,467,580	180,913,842	71.9	73,724,074	44,937,310	28,786,764	63.9	308,804,431	193,758,037	115,046,394	59.4
23	285,879,951	158,947,760	126,932,191	79.9	49,916,285	28,795,380	21,120,905	73.3	137,803,795	79,042,644	58,761,151	74.3
24	289,694,462	155,004,970	134,689,492	86.2	52,956,579	29,237,010	23,719,569	61.1	168,529,483	96,327,649	72,201,834	64.6
25	243,339,399	110,220,415	133,118,984	120.8	52,329,165	30,099,200	22,229,965	73.9	161,641,146	98,063,097	72,578,049	81.5
26	455,405,671	240,802,810	214,602,861	89.1	95,477,948	57,900,660	37,577,288	64.7	393,003,196	278,300,096	114,703,100	40.9
27	270,221,977	148,508,490	121,713,507	82.0	50,873,994	28,602,680	22,271,314	77.9	285,839,108	160,540,004	125,299,104	78.0
28	92,276,613	25,428,430	66,848,183	262.9	43,907,595	14,055,560	29,852,035	212.4	108,249,566	42,450,491	65,799,075	155.1
29	102,474,056	30,926,300	71,547,756	231.3	33,786,973	12,218,690	21,568,283	176.5	127,229,200	65,173,432	62,055,768	95.2
30	198,807,622	91,054,120	107,753,502	118.3	44,249,708	24,940,450	19,309,258	77.4	222,222,004	145,349,587	76,872,417	52.9
31	199,579,599	111,465,160	88,114,439	79.1	48,310,161	29,490,580	18,819,581	63.8	253,523,577	190,956,936	62,566,641	32.8
32	18,217,822	10,667,220	7,550,602	70.8	3,206,095	2,150,560	1,055,535	49.1	6,817,123	4,111,054	2,706,069	65.8
33	78,285,509	54,810,760	23,474,749	42.8	11,859,771	8,611,220	3,248,551	37.7	32,570,134	20,853,677	11,716,457	56.2
34	1,637,393	1,573,760	63,633	4.0	92,350	136,000	43,650	47.5	132,840	125,326	7,514	22.0
35	137,399,150	70,963,120	66,436,030	93.6	11,815,853	9,911,040	8,204,843	82.8	74,891,438	42,026,757	32,864,681	78.2
36	57,315,195	34,026,560	23,288,630	68.6	7,011,513	5,040,420	1,971,093	39.1	43,336,073	30,571,239	12,764,834	41.8
37	113,459,662	52,700,080	60,759,582	115.3	18,441,619	9,072,600	9,369,019	103.3	62,649,954	30,166,173	32,483,781	108.1
38	64,113,227	26,955,670	37,157,557	137.8	14,108,853	6,629,770	7,479,083	112.6	45,131,380	20,199,859	24,931,521	123.4
39	108,850,917	44,854,690	63,996,227	142.7	20,948,056	9,804,010	11,144,046	113.7	80,393,993	35,200,507	45,193,486	128.4
40	24,407,924	9,976,822	14,431,102	144.6	4,446,007	1,963,210	2,482,797	126.5	20,591,187	11,166,016	9,425,171	84.4
41	150,994,755	90,887,460	60,107,295	66.1	20,851,846	15,301,860	5,549,986	36.3	117,486,602	73,739,106	43,747,556	59.3
42	109,106,804	63,136,960	45,969,844	72.8	21,229,171	15,222,670	6,006,501	39.8	110,706,078	60,818,605	49,887,473	82.0
43	71,309,416	34,432,612	36,876,804	107.0	16,290,094	8,675,906	7,614,104	87.8	65,594,834	36,105,799	29,489,035	81.7
44	80,160,000	37,150,340	43,009,660	115.8	16,905,312	9,556,805	7,348,507	76.9	75,247,033	42,657,222	32,589,811	76.4
45	63,145,363	30,075,520	33,069,843	110.0	16,964,198	8,750,060	8,214,138	92.7	74,058,292	37,483,771	36,574,521	97.6
46	49,741,173	33,400,400	16,340,773	49.8	17,977,053	28,536,790	-9,559,737	-33.5	44,699,485	28,669,506	16,029,979	54.8
47	89,610,556	121,406,775	-38,203,781	-31.8	27,088,906	10,612,495	16,476,411	157.7	152,432,792	196,208,263	-50,224,529	-58.4
48	210,001,260	100,222,811	109,778,449	109.5	56,790,260	30,125,705	26,664,555	88.5	238,646,509	126,967,955	111,678,554	32.5
49	24,854,628	9,365,530	15,489,098	165.4	10,539,653	3,671,900	6,867,753	187.0	85,063,187	52,161,833	32,901,354	64.2
50	25,112,509	6,831,815	18,280,694	267.6	10,476,051	3,295,045	7,181,006	217.9	49,775,309	21,657,974	28,117,335	129.8
51	9,007,001	3,531,520	5,475,481	155.0	3,608,294	1,366,000	2,242,294	164.5	65,605,510	39,145,877	26,459,633	67.6
52	45,696,566	16,002,512	29,694,054	185.6	12,791,001	4,746,755	8,044,246	169.5	70,161,344	49,954,311	20,207,033	40.5
53	13,024,502	3,565,105	9,459,397	265.3	4,122,312	1,151,610	2,970,702	258.0	43,494,679	31,727,400	11,767,279	37.1
54	4,935,573	2,266,500	2,669,073	117.8	1,787,700	765,200	1,022,500	133.6	26,060,870	15,545,687	10,515,183	67.6
55	18,063,168	10,651,790	7,411,378	69.6	4,468,178	2,922,550	1,545,628	52.9	28,781,691	21,474,241	7,307,450	34.0
56	4,332,740	2,340,090	1,992,650	85.2	1,576,096	888,560	687,536	77.4	19,213,930	12,169,565	7,044,365	57.9
57	54,546,459	16,299,200	38,247,259	234.7	16,709,844	6,271,630	10,438,214	166.4	48,865,110	22,159,207	26,705,903	120.5
58	43,880,207	19,199,694	24,680,513	128.5	13,205,645	6,506,725	6,698,920	103.0	59,461,828	33,917,048	25,544,780	75.3
59	133,406,040	77,468,000	55,938,040	72.2	36,493,158	21,311,670	15,181,488	71.2	127,599,338	67,303,325	60,296,013	89.6

**Average value of farm property per acre of land.**—Much more significant than comparisons between states and divisions with respect to the total value of farm property are comparisons of the average value of farm property per acre of land in farms. Table 12 shows for each division and state the average value, per acre of farm land, of all farm property and of each class.

In the average value of all farm property per acre of farm land the geographic division which ranks highest is the East North Central, the average in that division being \$85.81. The Middle Atlantic division is next (\$68.52 per acre), followed by the West North Central (\$58.18), Pacific (\$54.17), and New England (\$43.99) divisions in the order named. In the Mountain division, as well as in each of the three southern divisions, the average value of farm property per acre falls between \$20 and \$30.

The average value of land itself per acre ranges from \$61.32 in the East North Central division to \$16.06 in the West South Central. The values are much lower in New England, the three southern divisions, and the Mountain division than in the other four divisions.

The southern divisions of the country in general show greater percentages of increase in the value of

all farm property per acre of farm land during the past decade than the northern divisions. The West South Central division outranks all others in this respect, with an increase of 147.2 per cent. The two most westerly divisions, Mountain and Pacific, rank next in percentage of increase, followed by the South Atlantic and the West North Central. In all five of the divisions just named the average value of all farm property per acre of land was more than twice as high in 1910 as in 1900. The lowest rate of increase, 33 per cent, was in the Middle Atlantic division.

The principal factor in the increase of the value of farm property as a whole has been the increase in the value of land per acre. In five of the nine geographic divisions—namely, the four west of the Mississippi River, together with the South Atlantic—the average value of land in farms per acre was more than twice as high in 1910 as in 1900; in the Mountain division it was more than three times as high. In the East North Central and East South Central divisions the increase in value of farm land per acre exceeded 75 per cent. The lowest percentages of increase were in the Middle Atlantic and New England divisions—24.5 per cent and 40.5 per cent, respectively.

**Table 11**

SECTION.	AVERAGE VALUE OF ALL FARM PROPERTY PER ACRE.				LAND.				BUILDINGS.			IMPLEMENTS AND MACHINERY.			LIVE STOCK.		
	1910	1900	Increase.		1910	1900	Increase.		1910	1900	Per cent of increase.	1910	1900	Per cent of increase.	1910	1900	Per cent of increase.
			Amount.	Per cent.			Amount.	Per cent.									
United States.....	\$46.64	\$24.37	\$22.27	91.4	\$32.40	\$15.57	\$16.83	108.1	\$7.20	\$4.24	69.8	\$1.44	\$0.89	61.8	\$5.60	\$3.67	52.6
The North.....	66.46	37.77	28.69	76.0	46.26	24.48	21.78	89.0	10.93	6.98	56.6	2.07	1.35	53.3	7.20	4.96	45.2
The South.....	25.31	11.79	13.52	114.7	16.72	7.08	9.64	136.2	4.03	1.98	103.5	0.83	0.50	66.0	3.74	2.24	67.0
The West.....	40.93	18.28	22.65	123.9	30.86	12.01	18.85	157.0	3.40	1.79	89.9	1.04	0.56	85.7	5.63	3.92	43.6
East of the Mississippi.....	52.11	30.72	21.39	69.6	33.56	19.29	14.27	74.0	10.85	6.66	62.9	1.80	1.15	56.5	5.90	3.63	62.5
West of the Mississippi.....	42.74	19.43	23.31	120.0	31.58	12.67	18.91	149.3	4.29	2.36	94.5	1.18	0.70	68.6	5.40	3.70	45.9

The average value of all farm property in the North, as shown in Table 11, is equal to \$66.46 for each acre of land in farms, in the South to \$25.31, and in the West to \$40.93. The South shows a decidedly higher percentage of increase in the average during the past decade than the North.

The average value of land per acre is shown by counties in the map on page 275. It should be noted that the averages are based only on land in farms. Each county as a whole is shaded according to the average value per acre of land in farms, even though only a small proportion of the county may actually be occupied by farm land. There are, for example, certain counties in the West in which, usually because of irrigation, the average value of land in farms exceeds \$100 per acre, but in which less than one-fifth of the total area is in farms. Somewhat similar conditions appear in several counties in Florida and a few elsewhere. Comparison should therefore be made between this map and the map on page 272 showing the proportion of the total land area of each county which is occupied by farms.

**Average value of farm property per farm.**—Table 13, on page 280, shows the average value per farm of all farm

property and of each class, and also, as a means of judging the significance of the figures, the average acreage and improved acreage per farm.

Owing to the combined effect of large average size of farms and high average value of farm property per acre, the Pacific and West North Central divisions conspicuously lead all others in average value of all farm property per farm, the average for the Pacific division being \$14,643. On account of the large average acreage of farms, the Mountain division ranks next to the West North Central in average value of farms and, on account of the high average value of farm property per acre, the East North Central ranks next. In the South Atlantic and East South Central divisions the average values per farm—\$2,654 and \$2,094, respectively—are very much lower than those in the other divisions, the farms themselves being small and their average value per acre comparatively low. If each plantation in the South were treated as a single farm, the average value of property per farm would be considerably higher than shown in the table.

In every division the average value of farms has increased greatly since 1900; in the West North Central division it has more than doubled.

## 279

[A minus sign (–) denotes decrease.]

LIVE STOCK.

DIVISION OR STATE.									MACHINERY.								
	1910	1900	Increase.		1910	1900	Increase.		1910	1900	Perct. of increase.	1910	1900	Perct. of increase.	1910	1900	Perct. of increase.
			Am't.	Per ct.			Am't.	Per ct.									
United States...	\$46.64	\$24.37	\$22.27	91.4	\$32.40	\$15.57	\$16.83	108.1	\$7.20	\$4.24	69.3	\$1.44	\$0.89	61.8	\$5.60	\$3.67	52.6
GEORGIC DIVISIONS:																	
New England.....	43.99	31.13	12.86	41.3	19.38	13.79	5.59	40.5	17.06	11.91	43.2	2.58	1.78	44.9	1.97	3.64	36.5
Middle Atlantic.....	68.52	51.51	17.01	33.0	33.86	27.19	6.67	24.5	22.70	16.25	39.7	3.88	2.59	49.8	8.08	5.48	47.4
East North Central..	85.81	48.86	36.95	75.6	61.32	34.15	27.17	79.6	13.93	8.08	72.4	2.28	1.43	59.4	8.23	2.59	59.2
West North Central..	58.18	28.96	29.22	100.9	43.21	19.37	23.84	121.1	6.71	3.77	78.0	1.59	0.98	62.2	6.67	4.84	37.8
South Atlantic.....	28.44	13.94	14.50	104.0	18.15	8.63	9.52	116.3	5.81	2.94	97.6	0.95	0.51	56.3	3.53	1.86	83.8
East South Central..	29.78	14.72	12.06	81.9	16.28	8.72	7.56	86.7	5.05	2.78	81.7	0.92	0.60	53.3	4.53	3.63	72.2
West South Central..	22.69	9.18	13.51	147.2	16.06	5.40	10.66	197.4	2.44	1.05	132.4	0.71	0.44	61.1	3.49	2.28	53.1
Mountain.....	29.92	12.96	16.56	127.8	19.73	6.12	13.61	222.4	2.44	1.18	106.8	0.83	0.41	102.4	6.53	5.26	24.1
Pacific.....	54.17	23.49	30.68	130.6	43.76	17.78	25.98	146.1	4.52	2.38	89.9	1.29	0.72	79.2	4.60	2.60	76.9
NEW ENGLAND:																	
Maine.....	31.65	19.43	12.22	62.9	13.73	7.83	5.90	75.4	11.62	7.48	55.3	2.30	1.40	64.3	4.00	2.72	47.1
New Hampshire.....	31.91	23.78	8.13	34.2	13.70	9.43	3.37	39.1	12.74	9.50	32.8	1.84	1.43	28.6	3.67	2.92	25.7
Vermont.....	31.18	22.96	8.22	35.8	12.52	9.70	2.82	29.1	11.62	7.89	47.3	2.18	1.69	36.3	4.86	3.78	28.6
Massachusetts.....	78.75	58.04	20.71	35.7	36.69	27.02	9.07	32.8	30.82	22.59	36.4	4.02	2.81	43.1	7.21	5.02	43.6
Rhode Island.....	74.42	59.24	15.18	25.6	33.69	29.46	4.40	14.9	29.15	21.30	36.9	4.02	2.79	44.1	7.39	5.69	29.9
Connecticut.....	72.93	49.01	23.92	48.8	33.03	22.68	10.35	45.6	30.25	19.46	55.4	3.16	2.14	47.7	6.48	4.73	37.0
MIDDLE ATLANTIC:																	
New York.....	65.89	47.23	18.66	39.5	32.13	24.34	7.79	32.0	21.65	14.88	45.5	3.80	2.47	53.8	8.31	5.54	50.0
New Jersey.....	99.01	66.71	32.30	48.1	48.23	32.86	15.37	46.8	36.13	24.37	48.3	5.09	3.28	52.2	9.55	6.20	54.0
Pennsylvania.....	67.43	54.29	13.14	24.2	33.92	29.70	4.22	14.2	22.09	16.67	32.5	3.81	2.63	44.9	7.61	5.29	43.9
EAST NORTH CENTRAL:																	
Ohio.....	78.93	48.93	30.00	61.3	53.34	33.35	19.99	59.9	15.28	8.96	70.5	2.12	1.48	43.2	8.19	5.14	59.3
Indiana.....	84.94	45.27	39.67	87.6	62.36	31.81	30.55	96.0	12.49	7.13	75.2	1.92	1.26	52.4	8.16	5.07	60.9
Illinois.....	120.08	61.12	58.96	96.5	95.02	46.17	48.85	105.8	13.29	7.67	73.3	2.27	1.37	65.7	9.49	5.91	60.6
Michigan.....	57.49	39.31	18.18	46.2	32.48	24.12	8.36	34.7	15.09	9.05	66.7	2.64	1.64	61.0	7.28	4.50	61.8
Wisconsin.....	67.10	40.87	26.23	64.2	43.30	26.71	16.59	62.1	13.76	7.53	75.7	2.51	1.47	70.7	7.53	4.85	52.3
WEST NORTH CENTRAL:																	
Minnesota.....	53.35	30.05	23.30	77.5	36.82	21.31	15.51	72.8	8.79	4.20	109.3	1.89	1.15	64.3	5.84	3.39	72.3
Iowa.....	110.40	53.06	57.34	108.1	82.58	36.35	46.23	127.2	13.42	6.96	92.8	2.81	1.68	67.3	11.58	8.06	43.7
Missouri.....	39.35	30.39	28.96	95.3	41.80	20.36	21.34	104.3	7.81	4.37	78.7	1.47	0.84	75.0	8.26	4.72	75.0
North Dakota.....	34.29	16.42	17.87	108.8	25.69	11.15	14.54	130.4	3.25	1.64	98.2	1.54	0.90	71.1	3.81	2.73	39.6
South Dakota.....	44.82	15.60	29.22	157.3	34.69	9.92	24.77	249.7	3.94	1.62	143.2	1.30	0.64	103.1	4.89	3.42	43.0
Nebraska.....	53.85	25.01	28.84	115.3	41.90	16.27	25.33	156.9	5.15	3.04	69.4	1.15	0.83	38.6	5.75	4.86	18.3
Kansas.....	47.01	20.74	26.27	126.7	35.45	12.77	22.68	177.6	4.60	2.68	71.6	1.11	0.71	56.3	5.84	4.58	27.5
SOUTH ATLANTIC:																	
Delaware.....	60.82	38.17	22.65	59.3	33.63	22.29	11.34	50.9	17.54	10.00	75.4	3.09	2.02	53.0	6.56	3.86	69.9
Maryland.....	56.59	29.58	17.01	43.0	32.32	23.28	9.04	38.8	15.48	10.60	46.0	2.35	1.67	40.7	6.44	4.03	59.8
District of Columbia	1,398.08	1,358.86	39.22	2.9	1,186.53	1,142.68	43.85	3.8	171.10	185.39	-7.7	15.23	16.03	-5.0	25.21	14.76	70.8
Virginia.....	32.06	16.25	15.81	97.3	20.24	10.08	10.16	100.8	7.05	3.56	98.0	0.93	0.50	86.0	3.84	2.11	82.0
West Virginia.....	31.39	19.14	12.25	64.0	20.65	12.60	8.05	63.9	5.72	3.19	79.3	6.70	4.47	48.9	4.32	2.87	50.5
North Carolina.....	23.96	10.28	13.68	133.1	15.29	6.24	9.05	145.0	5.06	2.32	118.1	0.82	0.40	105.0	2.79	1.32	111.4
South Carolina.....	29.02	10.98	18.04	164.3	19.89	7.14	12.75	178.6	4.74	1.93	145.6	1.04	0.47	121.3	3.34	1.34	131.9
Georgia.....	21.54	8.65	12.89	149.0	13.74	5.25	8.49	161.7	4.04	1.70	137.6	0.78	0.37	110.8	2.98	1.33	124.1
Florida.....	27.25	12.36	14.89	120.5	17.84	7.06	10.78	152.7	4.45	2.29	103.1	0.85	0.45	88.9	3.92	2.56	53.1
EAST SOUTH CENTRAL:																	
Kentucky.....	34.87	21.43	13.44	62.7	21.83	13.24	8.59	64.9	6.90	4.14	64.3	0.94	0.70	34.3	5.29	3.35	57.9
Tennessee.....	30.56	16.77	13.79	82.2	18.53	9.93	8.60	86.6	5.44	3.10	75.5	1.06	0.75	41.3	5.52	2.99	84.6
Alabama.....	17.85	8.67	9.18	105.9	10.46	4.84	5.62	116.1	3.44	1.67	106.0	0.79	0.42	88.1	3.16	1.75	80.6
Mississippi.....	22.97	11.20	11.77	105.1	13.69	6.30	7.39	117.3	4.32	2.04	111.8	0.91	0.52	75.0	4.05	2.34	73.1
WEST SOUTH CENTRAL:																	
Arkansas.....	22.97	10.90	12.07	110.7	14.13	6.32	7.81	123.6	3.63	1.91	100.6	0.97	0.53	83.0	4.25	2.25	88.9
Louisiana.....	28.85	17.95	10.90	60.7	17.99	9.74	8.25	84.7	4.76	3.02	57.6	1.82	2.58	-29.5	4.28	2.61	64.0
Oklahoma.....	31.82	12.07	19.75	163.6	22.49	6.50	15.99	246.0	3.11	0.93	234.4	0.94	0.46	104.3	5.28	4.19	26.0
Texas.....	19.73	7.65	12.08	157.9	14.53	4.70	9.83	203.1	1.87	0.80	133.8	0.51	0.24	112.5	2.83	1.91	48.2
MOUNTAIN:																	
Montana.....	25.68	9.95	15.73	158.1	16.74	4.45	12.29	276.2	1.83	0.79	131.6	0.75	0.31	151.6	6.32	4.40	43.6
Idaho.....	57.79	20.99	36.80	175.3	41.63	11.07	30.56	276.1	4.75	2.13	123.0	1.98	1.03	92.2	9.42	6.76	39.3
Wyoming.....	19.57	8.31	11.26	133.5	10.41	2.88	7.53	261.5	1.05	0.43	144.2	0.43	0.17	132.9	7.68	4.82	59.3
Colorado.....	36.32	17.00	19.32	113.6	26.81	9.54	17.27	181.0	3.38	1.69	100.0	0.95	0.50	99.0	5.18	5.27	1.7
New Mexico.....	14.15	10.48	3.67	35.5	8.77	3.38	5.39	159.5	1.16	0.60	68.1	0.37	0.22	68.2	3.86	1.68	-37.5
Arizona.....	60.26	15.50	44.76	288.8	33.97	5.90	28.07	475.8	3.96	1.17	238.5	1.43	0.40	257.5	20.90	8.04	160.3
Utah.....	44.38	18.26	26.12	143.0	29.28	9.75	19.53	200.3	5.32	2.39	105.4	1.32	0.71	55.9	8.47	5.22	62.3
Nevada.....	22.25	11.18	11.07	99.0	12.99	5.17	7.82	151.3	1.60	0.91	75.8	0.58	0.35	65.7	7.08	4.74	49.4
PACIFIC:																	
Washington.....	54.43	16.95	37.48	221.1	44.18	11.68	32.50	278.3	4.66	1.92	142.7	1.43	0.74	93.2	4.17	2.61	59.8
Oregon.....	45.21	17.15	28.06	163.6	35.23	11.23	24.00	213.7	3.76	1.91	96.9	1.13	0.65	73.8	5.09	3.37	51.0
California.....	57.81	27.63	30.18	109.2	46.16	21.87	25.29	115.6	4.78	2.69	77.7	1.31	0.74	77.0	4.57	2.33	63.6

## FARM LAND AND FARM PROPERTY—AVERAGES PER FARM, BY DIVISIONS AND STATES: 1910 AND 1900.

Table 13

DIVISION OR STATE.	AVERAGE ACRES PER FARM.				AVERAGE VALUE PER FARM.									
	All farm land.		Improved land.		All farm property.		Land.		Buildings.		Implements and machinery.		Live stock.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
<b>United States.</b>	<b>138.1</b>	<b>146.2</b>	<b>75.2</b>	<b>72.2</b>	<b>\$6,444</b>	<b>\$3,563</b>	<b>\$4,476</b>	<b>\$2,276</b>	<b>\$994</b>	<b>\$620</b>	<b>\$199</b>	<b>\$131</b>	<b>\$774</b>	<b>\$536</b>
<b>GEOGRAPHIC DIVISIONS:</b>														
New England.....	104.4	107.1	38.4	42.4	4,593	3,333	2,024	1,477	1,782	1,276	269	199	519	390
Middle Atlantic.....	92.2	92.4	62.6	63.4	6,319	4,759	3,122	2,512	2,094	1,801	358	299	745	506
East North Central.....	105.0	102.4	79.2	76.3	9,907	5,004	6,437	3,498	1,462	827	239	147	869	532
West North Central.....	209.6	189.5	148.0	127.9	12,195	5,488	9,657	3,670	1,407	715	332	186	1,398	917
South Atlantic.....	93.3	108.4	43.6	47.9	2,654	1,511	1,684	935	542	319	88	55	330	202
East South Central.....	78.2	89.9	42.2	44.5	2,094	1,324	1,273	784	394	250	72	54	354	236
West South Central.....	179.3	233.8	61.8	52.7	4,069	2,146	2,880	1,274	437	245	127	103	625	534
Mountain.....	324.5	457.9	86.8	82.9	9,581	5,934	6,402	2,803	791	558	269	186	2,119	2,406
Pacific.....	270.3	334.8	116.1	132.5	14,643	7,864	11,829	5,953	1,221	798	350	241	1,242	871
<b>NEW ENGLAND:</b>														
Maine.....	104.9	105.2	39.3	40.3	3,320	2,064	1,441	832	1,219	795	241	148	419	289
New Hampshire.....	120.1	123.1	34.3	36.7	3,833	2,927	1,646	1,211	1,530	1,181	217	176	440	360
Vermont.....	142.6	142.7	50.0	64.2	4,445	3,276	1,785	1,384	1,657	1,125	311	228	692	539
Massachusetts.....	77.9	83.4	31.5	34.3	6,135	4,843	2,839	2,305	2,401	1,855	313	234	562	419
Rhode Island.....	83.8	82.9	33.7	34.1	6,234	4,909	2,836	2,441	2,442	1,765	337	231	619	472
Connecticut.....	81.5	85.8	36.9	39.5	5,944	4,205	2,693	1,946	1,666	1,669	258	184	528	406
<b>MIDDLE ATLANTIC:</b>														
New York.....	102.2	99.9	68.8	68.8	6,732	4,718	3,283	2,431	2,212	1,486	388	247	849	554
New Jersey.....	76.9	82.0	53.9	57.1	7,610	5,470	3,707	2,694	2,777	1,998	391	269	734	508
Pennsylvania.....	84.8	86.4	57.8	58.9	5,715	4,690	2,875	2,566	1,873	1,440	323	227	645	457
<b>EAST NORTH CENTRAL:</b>														
Ohio.....	88.6	88.5	70.7	69.5	6,994	4,333	4,727	2,953	1,354	793	188	132	725	455
Indiana.....	98.8	97.4	78.6	75.2	8,396	4,410	6,164	3,099	1,235	694	190	123	807	494
Illinois.....	129.1	124.2	111.4	104.9	15,505	7,588	12,270	5,732	1,717	952	293	170	1,226	734
Michigan.....	91.5	86.4	62.0	58.0	5,261	3,396	2,973	2,084	1,381	782	241	142	666	389
Wisconsin.....	118.9	117.0	67.2	66.2	7,978	4,781	5,148	3,125	1,636	916	299	172	885	567
<b>WEST NORTH CENTRAL:</b>														
Minnesota.....	177.3	169.7	125.8	119.2	9,456	5,100	6,527	3,616	1,558	713	335	195	1,035	576
Iowa.....	156.3	151.2	135.9	130.8	17,259	8,023	12,910	5,497	2,098	1,053	440	253	1,811	1,220
Missouri.....	124.8	119.3	88.7	80.4	7,405	3,626	5,216	2,441	975	521	183	100	1,031	564
North Dakota.....	382.3	342.9	275.1	212.8	13,109	5,631	9,822	3,824	1,241	561	590	310	1,456	936
South Dakota.....	335.1	362.4	203.8	214.5	15,018	5,654	11,625	3,596	1,320	588	435	232	1,639	1,238
Nebraska.....	297.8	246.1	188.0	151.7	16,038	6,155	12,450	4,004	1,533	749	341	205	1,714	1,196
Kansas.....	244.0	240.7	168.2	144.7	11,467	4,962	8,648	3,074	1,122	644	272	170	1,426	1,103
<b>SOUTH ATLANTIC:</b>														
Delaware.....	95.9	110.1	65.8	77.8	5,830	4,201	3,224	2,454	1,681	1,101	296	222	629	424
Maryland.....	103.4	112.4	68.6	76.4	5,849	4,448	3,341	2,616	1,600	1,191	242	187	666	454
District of Columbia.....	27.9	31.6	23.7	22.1	39,062	42,882	33,152	36,060	4,781	5,850	426	506	704	466
Virginia.....	105.9	118.6	53.6	60.1	3,397	1,927	2,145	1,195	747	423	98	59	407	250
West Virginia.....	103.7	114.7	57.1	59.2	3,255	2,196	2,142	1,446	593	366	73	54	448	329
North Carolina.....	88.4	101.3	34.7	37.1	2,119	1,041	1,352	632	447	235	73	40	247	134
South Carolina.....	76.6	90.0	34.6	37.2	2,223	989	1,523	642	363	174	80	43	256	130
Georgia.....	92.6	117.5	42.3	47.2	1,993	1,016	1,273	616	374	200	72	44	276	157
Florida.....	105.0	106.9	36.1	37.0	2,863	1,321	1,874	755	488	244	89	48	412	274
<b>EAST SOUTH CENTRAL:</b>														
Kentucky.....	85.6	93.7	55.4	58.6	2,986	2,007	1,869	1,241	583	387	80	65	453	314
Tennessee.....	81.5	90.6	44.3	45.6	2,490	1,519	1,510	899	444	281	87	68	450	271
Alabama.....	78.9	92.7	36.9	38.8	1,408	804	825	449	271	154	62	39	250	162
Mississippi.....	67.6	82.6	32.8	34.4	1,554	925	926	620	292	168	62	44	274	193
<b>WEST SOUTH CENTRAL:</b>														
Arkansas.....	81.1	93.1	37.6	38.9	1,864	1,015	1,146	588	294	168	79	49	345	210
Louisiana.....	86.6	95.4	43.8	40.2	2,499	1,712	1,558	929	413	288	157	246	371	249
Oklahoma.....	151.7	121.9	92.3	79.4	4,828	2,570	3,413	1,383	471	198	142	97	801	481
Texas.....	209.1	357.2	65.5	55.6	5,311	2,733	3,909	1,680	503	285	136	85	763	683
<b>MOUNTAIN:</b>														
Montana.....	516.7	885.9	138.9	129.9	13,269	8,815	8,651	3,939	948	700	402	275	3,268	3,901
Idaho.....	171.5	183.4	90.2	80.9	9,911	3,850	7,140	2,031	815	394	188	126	1,616	1,240
Wyoming.....	777.6	1,333.0	114.3	130.0	15,217	11,071	8,092	3,845	820	579	334	224	5,971	6,423
Colorado.....	293.1	383.6	93.2	92.1	10,645	6,520	7,858	3,658	980	648	277	192	1,520	2,022
New Mexico.....	315.9	416.8	41.1	26.6	4,469	4,367	2,770	1,407	365	290	116	93	1,219	2,577
Arizona.....	135.1	333.2	38.0	43.8	8,142	5,163	4,590	1,965	535	290	194	132	2,823	2,676
Utah.....	156.7	212.4	63.1	53.2	6,957	3,878	4,590	2,670	833	549	205	151	1,328	1,108
Nevada.....	1,069.6	1,174.7	274.7	262.3	22,462	13,129	13,119	6,079	1,611	1,071	586	407	7,145	5,572
<b>PACIFIC:</b>														
Washington.....	208.4	256.0	113.4	104.4	11,346	4,338	9,208	2,991	971	491	297	189	870	667
Oregon.....	256.8	281.0	93.9	92.9	11,699	4,821	9,048	3,157	964	536	290	182	1,307	946
California.....	316.7	397.4	129.1	164.9	18,308	10,980	14,935	8,691	1,513	1,068	414	294	1,447	928

\* Includes Indian Territory.

In the North, as shown in Table 14, the average value of a farm with its equipment in 1910 was \$9,507, as compared with \$2,897 in the South and \$12,155 in the West. The West leads the other two sections in the average value per farm of land, of implements and machinery, and of live stock, but the average value of buildings per farm is highest in the North. The average value of a farm is nearly twice as high for the territory west of the Mississippi as for that east of the river, the excess being due to the difference in the average size of farms. In spite of the lower average size of farms, it should be noted that the average value

of buildings per farm is higher east of the Mississippi River than west.

**Table 14**

SECTION.	ALL FARM PROPERTY.		LAND.		BUILDINGS.		IMPLEMENTS AND MACHINERY.		LIVE STOCK.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
United States . . . . .	\$6,444	\$3,563	\$4,476	\$2,276	\$994	\$620	\$199	\$131	\$774	\$536
The North . . . . .	9,507	5,030	6,618	3,260	1,561	930	226	180	1,029	660
The South . . . . .	2,897	1,639	1,913	978	461	274	95	69	428	309
The West . . . . .	12,155	7,059	9,162	4,639	1,009	690	310	218	1,673	1,512
East of Mississippi . . . . .	4,849	3,067	3,122	1,926	1,010	665	168	115	549	362
West of Mississippi . . . . .	9,030	4,448	6,672	2,992	969	540	240	159	1,140	847

**FARMS AND FARM PROPERTY: 1850 TO 1910.**

**United States as a whole.**—Table 15 shows, for the United States as a whole, the population, number and acreage of farms, and value of farm property at each census from 1850 to 1910. In considering this table it should be noted that some of the figures are not entirely comparable. There have been some variations from census to census in the definition of farm land and of improved farm land. Moreover, in some of the Western states, land which was formerly free public range, and as such utilized more or less extensively for grazing, has from time to time been brought under private ownership without involving any considerable change in the character or extent of the agricultural operations. This transfer of unimproved grazing land from public to private ownership tends to reduce the proportion of improved land to total land

in farms. Again, the comparability of the figures regarding the number of farms is affected by the changes in respect to the management of plantations in the South which followed the Civil War. Prior to the war plantations were ordinarily worked by slave or hired labor and were reported as single units, while after the war they came more and more to be parceled out to tenants, whose holdings are reported by the census as separate farms, even though they may be operated under a thoroughgoing supervision on the part of the owner of the plantation or his representative. Notwithstanding these qualifications, however, the data presented in the table are sufficiently comparable to indicate in a broad way the agricultural progress of the country during the past 60 years.

**FARMS, FARM LAND, AND FARM PROPERTY OF THE UNITED STATES: 1850 TO 1910.**

Table 15	1910	1900	1890	1880	1870	1860	1850
Population . . . . .	91,972,266	75,994,575	62,947,714	50,155,783	38,558,371	31,443,321	23,191,576
Number of farms . . . . .	6,361,502	5,737,372	4,564,641	4,008,907	2,639,985	2,044,077	1,449,073
Land area of the country . . . . . acres.	1,903,289,600	1,903,461,760	1,903,337,600	1,903,337,600	1,903,337,600	1,903,337,600	1,894,375,680
Land in farms . . . . . acres.	878,798,325	838,591,774	622,218,619	536,081,835	407,735,041	407,212,538	293,560,614
Improved land in farms . . . . . acres.	478,451,750	414,498,487	357,616,755	284,771,042	188,921,099	163,110,720	113,032,614
Average acreage per farm . . . . .	138.1	146.2	136.5	133.7	153.3	199.2	202.6
Average improved acreage per farm . . . . .	75.2	72.2	78.3	71.0	71.0	79.8	78.0
Per cent of total land area in farms . . . . .	46.2	44.1	32.7	28.2	21.4	21.4	15.6
Per cent of land in farms improved . . . . .	54.4	49.4	57.4	53.1	46.3	40.1	38.5
Per cent of total land area improved . . . . .	25.1	21.8	18.8	15.0	9.9	8.6	6.0
Value of farm property, total . . . . .	\$40,991,449,090	\$20,439,901,164	\$16,082,267,689	\$12,180,501,538	\$8,944,857,749	\$7,980,493,063	\$3,967,343,580
Land and buildings . . . . .	34,801,126,697	16,614,617,491	13,279,232,619	10,197,096,776	7,444,054,662	6,045,045,007	3,271,575,426
Implements and machinery . . . . .	1,265,149,783	749,775,970	464,247,467	406,529,055	270,913,678	206,118,141	151,887,638
Domestic animals, poultry, and bees . . . . .	4,923,173,610	3,075,477,703	2,338,767,733	1,576,884,707	1,229,889,669	1,089,329,915	544,180,516
Average value of all property per farm . . . . .	\$6,444	\$3,563	\$3,522	\$3,038	\$3,363	\$3,904	\$2,738
Average value of all property per acre of land in farms . . . . .	\$46.64	\$24.37	\$25.81	\$22.7	\$21.94	\$19.60	\$13.51
Average value of land and buildings per acre . . . . .	\$39.60	\$19.81	\$21.31	\$19.0	\$18.26	\$16.32	\$11.14

Table 16, on page 282, shows the increase since 1850 in the number of farms, in the total farm acreage, in improved farm acreage, and in the value of farm property.

The greatest increase in the number of farms and also in the improved farm acreage took place in the decade 1870 to 1880, but the greatest increase in the total farm acreage was in the decade 1890 to 1900, and by far the greatest increase in the value of farm property was in the last decade, 1900 to 1910.

Comparisons of the two 30-year periods show that, while from 1850 to 1880 the agricultural industry more than kept pace with the population, it has on the whole failed to do so since 1880. The population increased 116.3 per cent between 1850 and 1880, and improved farm land increased 151.9 per cent; but from 1880 to 1910 population increased 83.4 per cent and improved farm land only 68 per cent. It is possible that the figures for acreage of farms and improved acreage in 1880 are, in some measure, out of line with

those for both the earlier and the later censuses, as the definitions used at that census were unusually broad, but the degree of incomparability, if any, is not sufficient to affect materially the general conclusions just stated.

Table 16

INCREASE.

PERIOD.	Popula- tion.	Number of farms.	Acreage.		Value of farm property.
			Land in farms.	Improved land in farms.	
1900-1910.....	15,977,691	624,130	40,206,551	63,953,293	\$20,551,547,926
1890-1900.....	13,096,961	1,172,731	215,573,435	56,881,732	4,357,633,475
1880-1890.....	12,791,931	555,734	87,136,784	72,845,713	3,601,766,191
1870-1880.....	11,397,412	1,348,922	128,346,794	95,849,943	3,235,643,789
1860-1870.....	7,115,069	615,908	522,593	25,810,379	964,364,685
1850-1860.....	8,251,445	595,604	115,631,924	50,678,106	4,015,149,483
1850-1910:					
Amount.....	41,816,483	2,352,595	342,716,490	193,680,708	28,810,947,552
Per cent.....	83.4	38.7	63.9	68.0	236.5
1850-1880:					
Amount.....	26,963,907	2,559,834	242,521,221	171,738,428	8,213,157,958
Per cent.....	116.3	176.6	82.6	151.9	207.0
1850-1910:					
Amount.....	68,780,390	4,912,429	585,237,711	365,419,136	37,024,105,510
Per cent.....	296.6	339.0	199.4	323.3	933.2

The proportion of the total area of the country represented by farm land has steadily increased from census to census. It was 15.6 per cent in 1850 and 46.2 per cent in 1910. The most marked increase in this percentage took place between 1890 and 1900, and was due largely to bringing into farms great areas of land which had formerly been free public range. The proportion of farm land improved increased steadily from 38.5 per cent in 1850 to 57.4 per cent in 1890, but because of the fact just stated it fell off by 1900, and even in 1910 was somewhat lower than in 1890, being 54.4 per cent. The proportion of the total land area of the country represented by improved farm land has, risen steadily from 6 per cent in 1850 to 25.1 per cent in 1910.

The average size of farms fell from 202.6 acres in 1850 to 133.7 acres in 1880, this decline being due in part to the breaking up of plantations in the South, previously referred to. From 1880 to 1900, on account of the inclusion in large ranches of land which had formerly been free public domain, the average size of farms increased somewhat, reaching 146.2 acres in 1900, since which time it has again decreased on account of the breaking up of ranches and the further subdivision of plantations in the South. The average acreage of improved land per farm has been comparatively stationary from census to census; it was 78 acres in 1850 and 75.2 acres in 1910.

The value of farm property in 1910 was considerably more than ten times as great as in 1850, but more than half of the total increase has taken place in the last decade alone. The increase in farm values was very rapid from 1850 to 1860, and from that time was more gradual until 1900.

The average value of farm property per acre of land in farms in 1910 was nearly three and one-half times as great as in 1850. The increase was very rapid from 1850 to 1860, but was comparatively slight during the next three decades. The average was actually lower in 1900 than in 1890, but an extraordinary increase appeared at the census of 1910.

**Farms and farm property, by geographic divisions.**—Tables 17 and 18 show the changes with regard to farms and farm property in each of the nine geographic divisions from 1850 to 1910. In considering these tables, due regard should be given to the conditions above referred to as affecting the comparability of the statistics.

The most conspicuous feature of the statistics in these tables is the movement of agriculture toward the West. New England has actually less improved land in farms at present than it had in 1850. The acreage of farm land and of improved land in the Middle Atlantic division reached its maximum in 1880 and has since declined. The East North Central division showed very rapid increases from 1850 to 1880, but only a moderate increase since that time. The acreage of farm land in the South Atlantic division was less in 1910 than in 1860, although improved land had increased appreciably. On the other hand, the four divisions west of the Mississippi have shown, as might be expected, extraordinary increases from census to census.

In the average acreage of land per farm remarkable changes have taken place in the South and in the West. On account chiefly of the division of plantations into tenant holdings, the average farm in the three southern divisions combined was less than one-half as large in 1880 as it had been in 1850. The average size of farms in the Mountain division increased rapidly from 1850 to 1900 on account of the bringing of previously public land into large ranges. On the other hand, in the Pacific states, or more specifically in California, great tracts of land were already in 1850 included in privately owned ranches, and these have from time to time been broken up, reducing the average size.

The most striking feature of the table with regard to farm values is the decline in such values in the Southern states between 1860 and 1870, due to the disastrous effect of the Civil War. On the other hand, in the Northern states quite generally there was a decided increase in the value of farm property during the decade of the war. It was not until 1900 that the aggregate value of farm property in the East South Central division again reached the figure reported in 1860, and the recovery in the South Atlantic division took almost as long. The marked decline in the average value of a farm with its equipment in the Southern states after 1860 was partly due to the decline in the value of property per acre following the war and partly to the breaking up of plantations.

FARMS, LAND IN FARMS, AND POPULATION, WITH INCREASES, AND AVERAGES AND PERCENTAGES, BY  
GEOGRAPHIC DIVISIONS: 1850 TO 1910.

[A minus sign (-) denotes decrease.]

GEOGRAPHIC DIVISION.	POPULATION.		NUMBER OF FARMS.		ALL LAND IN FARMS.		IMPROVED LAND IN FARMS.		PER CENT OF UNITED STATES TOTAL IN EACH DIVISION.			Per cent land in farms (forms of total land area).	Per cent of land in improved.	AVERAGE ACRES PER FARM.	
	Number.	Per cent of increase.	Number.	Per cent of increase.	Acres.	Per cent of increase.	Acres.	Per cent of increase.	Number of farms.	All farm land.	Improved farm land.			All farm land.	Improved farm land.
<b>UNITED STATES</b>															
1910.....	91,972,266	21.0	6,361,502	10.9	878,798,325	4.8	478,451,750	15.9	100.00	100.00	100.00	46.2	51.4	138.1	75.2
1900.....	75,994,375	20.7	5,737,257	27.7	833,591,774	3.6	414,498,487	15.4	100.00	100.00	100.00	44.1	49.4	146.2	72.2
1890.....	62,947,714	25.5	4,554,941	13.9	623,218,619	16.3	357,516,755	25.6	100.00	100.00	100.00	32.7	37.5	136.5	78.3
1880.....	50,165,783	30.1	4,008,907	50.7	536,081,835	31.5	284,771,042	50.7	100.00	100.00	100.00	22.2	23.1	133.7	71.0
1870.....	38,556,371	22.6	2,659,985	30.1	407,735,941	0.1	188,921,093	15.8	100.00	100.00	100.00	21.4	24.5	153.3	71.0
1860.....	31,493,321	35.6	2,644,077	41.1	407,212,533	38.7	163,110,720	44.3	100.00	100.00	100.00	21.4	40.1	159.2	79.8
1850.....	23,191,876	.....	1,449,073	.....	293,560,614	.....	113,032,614	.....	100.00	100.00	100.00	15.6	38.5	202.6	78.0
<b>GEOGRAPHIC DIVISIONS</b>															
<b>NEW ENGLAND.</b>															
1910.....	6,552,681	17.2	188,802	-1.6	19,714,931	-1.1	7,254,904	-10.8	2.97	2.24	1.52	49.7	36.8	104.4	38.4
1900.....	5,592,017	19.0	191,888	1.0	20,548,999	4.0	8,134,403	-24.3	3.34	2.45	1.96	51.8	39.6	107.1	42.4
1890.....	4,700,749	17.2	189,961	-8.3	16,755,384	-8.0	6,738,930	-18.3	4.16	3.17	1.99	49.8	34.4	104.0	56.5
1880.....	4,010,529	15.0	207,232	14.7	21,483,772	9.8	13,148,406	9.6	5.17	4.01	4.42	54.2	61.2	103.7	63.4
1870.....	3,487,924	11.2	180,649	-1.8	19,569,863	-2.7	11,997,540	-1.8	6.79	4.89	6.53	49.3	61.3	108.3	66.4
1860.....	3,135,283	14.9	183,942	9.7	20,110,922	9.5	12,215,771	9.6	9.00	4.94	7.49	50.7	60.7	109.3	66.4
1850.....	2,728,116	.....	167,651	.....	18,307,458	.....	11,150,594	.....	11.57	6.26	9.86	46.3	60.7	109.6	66.5
<b>MIDDLE ATLANTIC.</b>															
1910.....	19,315,892	25.0	468,737	-3.5	43,491,056	-3.7	29,320,894	-4.8	7.36	4.91	6.13	67.5	67.9	92.2	62.6
1900.....	16,354,648	21.6	485,618	-3.6	44,860,000	4.4	30,786,211	-2.6	8.46	5.35	7.43	70.1	68.6	92.4	63.4
1890.....	12,706,220	21.0	468,608	-4.2	42,987,941	-7.6	31,599,694	-4.9	10.27	6.90	8.84	67.2	73.5	91.7	67.4
1880.....	10,496,878	19.1	488,907	16.1	46,501,908	7.7	33,237,106	14.1	12.20	8.67	11.67	72.7	75.5	95.1	68.0
1870.....	8,810,806	18.1	430,916	10.5	42,944,621	4.4	29,149,644	8.8	15.82	10.39	15.41	67.5	67.4	102.9	69.2
1860.....	7,458,985	26.4	380,933	18.3	40,970,623	11.3	26,766,140	17.4	18.64	10.06	16.41	64.0	65.3	107.5	70.3
1850.....	5,898,735	.....	322,103	.....	36,795,377	.....	22,865,574	.....	22.23	12.33	20.15	57.5	62.0	114.2	70.8
<b>EAST NORTH CENTRAL.</b>															
1910.....	18,250,621	14.2	1,123,499	-1.1	117,929,148	1.4	88,947,228	2.6	17.66	13.42	18.59	75.0	75.4	105.0	79.2
1900.....	15,965,581	18.6	1,135,823	12.6	116,340,761	10.0	86,670,271	10.0	19.89	13.87	20.91	74.1	75.4	102.4	76.3
1890.....	13,476,305	20.3	1,000,031	2.4	105,736,825	(?)	78,774,647	4.2	22.19	16.97	22.03	67.4	73.5	104.8	78.1
1880.....	11,206,668	22.8	985,273	29.8	105,744,212	21.0	72,589,373	37.7	24.58	19.73	26.54	67.4	71.5	107.4	76.7
1870.....	9,124,517	31.7	761,735	29.3	87,449,392	20.3	54,899,646	33.3	28.64	21.45	29.66	53.7	62.8	114.8	72.1
1860.....	6,926,884	53.1	586,717	59.4	72,096,843	44.8	41,186,414	79.8	28.70	17.85	25.25	46.3	56.7	123.9	70.2
1850.....	4,523,260	.....	368,177	.....	50,188,873	.....	22,912,190	.....	25.41	17.10	29.27	32.0	45.7	136.3	62.2
<b>WEST NORTH CENTRAL.</b>															
1910.....	11,637,921	12.5	1,169,948	4.6	232,648,121	15.7	164,284,862	21.1	17.45	26.47	34.34	71.2	70.6	309.6	148.0
1900.....	10,347,422	15.8	1,060,744	16.0	201,068,713	33.3	135,643,828	28.6	19.49	23.97	32.72	61.5	67.5	189.5	127.9
1890.....	8,932,112	45.1	914,791	28.4	150,800,169	49.0	105,317,479	72.3	20.04	24.20	29.50	46.1	70.0	164.8	115.3
1880.....	6,157,443	59.7	712,695	96.1	101,197,945	95.5	61,252,946	106.4	17.78	18.88	21.31	31.0	60.5	142.0	85.9
1870.....	3,856,594	77.7	363,343	45.9	51,765,877	47.1	23,509,863	111.4	13.66	12.70	12.44	15.8	45.4	142.5	64.7
1860.....	2,169,832	146.5	185,448	167.1	35,262,747	181.7	11,122,285	195.2	9.07	8.64	6.82	7.7	31.6	188.8	60.0
1850.....	880,235	.....	69,420	.....	12,497,615	.....	3,768,142	.....	4.79	4.26	3.33	6.8	30.2	180.0	54.3
<b>SOUTH ATLANTIC.</b>															
1910.....	12,194,885	16.8	1,111,881	15.6	103,782,255	-0.5	48,479,733	5.2	17.48	11.81	10.13	60.2	46.7	93.3	43.6
1900.....	10,445,890	21.9	962,225	28.4	104,297,500	4.1	46,100,225	10.6	16.77	12.44	11.12	60.6	44.2	108.4	47.9
1890.....	8,857,922	16.6	749,600	16.3	101,157,573	-1.2	41,677,371	15.2	16.42	16.07	11.65	58.2	41.6	133.6	55.6
1880.....	7,597,197	29.8	644,429	72.3	101,419,563	12.4	36,170,331	19.8	16.07	18.92	12.70	58.9	35.7	157.4	56.1
1870.....	5,833,616	9.1	374,102	23.9	90,213,055	-15.3	30,202,991	-13.5	14.06	22.13	15.99	53.4	33.5	241.1	50.7
1860.....	5,304,703	14.7	301,940	21.7	86,526,771	14.0	34,900,942	16.3	14.77	26.16	21.49	61.8	32.8	332.8	115.6
1850.....	4,679,690	.....	248,196	.....	93,401,610	.....	30,009,323	.....	17.13	31.82	26.55	54.2	32.1	376.3	120.9
<b>EAST SOUTH CENTRAL.</b>															
1910.....	8,409,901	11.4	1,042,480	15.4	81,526,629	0.3	42,936,846	9.2	16.59	9.28	9.19	71.0	53.9	78.2	42.2
1900.....	7,547,757	17.4	903,313	37.7	81,247,643	2.8	40,237,337	12.6	15.74	9.69	9.71	70.7	49.5	89.9	44.5
1890.....	6,429,154	15.1	655,746	15.1	78,998,359	2.8	35,729,170	15.9	14.37	12.68	9.99	68.8	45.2	120.5	54.5
1880.....	5,585,151	26.8	569,739	53.2	70,872,851	15.9	30,830,882	27.2	14.21	14.34	10.82	69.8	40.1	134.9	54.1
1870.....	4,404,445	9.5	371,968	37.2	66,323,611	-11.3	24,218,478	-6.5	16.98	16.27	12.82	57.7	36.5	178.3	63.1
1860.....	4,020,991	19.6	271,150	21.4	74,776,655	27.7	25,801,621	36.1	13.27	18.36	15.87	65.1	34.6	275.8	95.5
1850.....	3,363,271	.....	225,436	.....	55,561,870	.....	19,023,415	.....	15.42	19.95	16.83	51.0	32.5	262.1	83.1
<b>WEST SOUTH CENTRAL.</b>															
1910.....	8,784,334	34.5	435,186	24.9	169,149,976	-4.2	58,264,273	46.5	14.83	19.25	12.18	61.5	34.4	179.3	61.8
1900.....	6,532,290	37.8	754,853	75.1	179,491,202	127.9	39,770,550	30.1	13.16	12.45	9.39	64.2	22.5	253.8	52.7
1890.....	4,704,983	42.2	431,086	36.0	177,448,935	36.8	30,559,654	61.0	9.44	21.43	8.55	28.9	39.5	179.7	70.9
1880.....	3,324,220	64.2	316,999	127.9	166,927,272	71.5	18,985,889	176.3	7.90	10.56	6.67	26.0	33.5	177.7	59.9
1870.....	2,029,965	16.7	139,630	40.4	33,019,333	-25.4	6,879,297	-6.4	5.23	8.30	3.64	12.6	8.8	338.5	49.4
1860.....	1,747,607	85.9	99,223	128.7	44,236,610	131.7	7,341,202	143.4	4.85	10.89	4.30	16.1	10.6	445.6	74.0
1850.....	940,251	.....	43,378	.....	15,083,590	.....	3,015,531	.....	2.99	6.50	2.67	6.9	15.8	439.9	69.5
<b>MOUNTAIN.</b>															
1910.....	2,633,517	57.3	182,446	81.0	59,533,420	28.3	15,915,002	89.4	2.88	6.77	3.33	10.8	26.7	324.5	86.8
1900.....	1,674,657	38.0	101,327	105.1	46,397,284	214.2	8,402,576	53.9	1.77	5.33	2.63	8.4	18.1	457.9	82.8
1890.....	1,213,935	83.9	49,398	97.3	14,705,562	271.3	5,460,739	146.7	1.08	2.67	1.53	2.7	37.0	298.9	110.5
1880.....	1,188,234	69.2	96,490	64.4											

VALUE OF FARM PROPERTY WITH INCREASES, AND AVERAGE VALUE PER FARM, AND PER ACRE OF FARM LAND,  
BY GEOGRAPHIC DIVISIONS: 1850 TO 1910.

[A minus sign (—) denotes decrease.]

Table 18	ALL FARM PROPERTY.					LAND AND BUILDINGS.					IMPLEMENTS AND MACHINERY.					LIVE STOCK.					
	GEOGRAPHIC DIVISION.	Value.	Per cent of increase.	Average value.		Value.	Per cent of increase.	Average value.		Value.	Per cent of increase.	Average value.		Value.	Per cent of increase.	Average value.		Value.	Per cent of increase.	Average value.	
				Per farm.	Per acre.			Per farm.	Per acre.			Per farm.	Per acre.			Per farm.	Per acre.			Per farm.	Per acre.
<b>UNITED STATES</b>																					
1910.....		\$40,991,449,090	100.5	\$6,644	\$46.61	\$34,801,125,697	109.5	\$5,471	\$39.60	\$1,265,149,783	68.7	\$199	\$1.44	\$4,925,173,610	60.1	\$774	\$5.60				
1900.....		20,439,901,164	27.1	3,562	24.37	16,614,647,931	25.1	2,896	19.81	749,775,970	51.7	131	0.89	3,075,477,307	33.2	638	3.64				
1890.....		16,082,267,689	32.0	3,523	25.81	13,279,252,649	30.2	2,909	21.31	494,247,467	21.6	108	0.79	2,308,767,757	26.4	566	3.70				
1880.....		12,160,501,534	36.2	3,138	22.72	10,187,098,776	37.0	2,544	19.02	406,320,055	50.1	101	0.75	1,576,484,707	38.2	393	2.94				
1870.....		8,642,467,412	12.1	3,365	21.94	7,444,054,482	12.0	2,739	18.26	270,913,678	10.1	102	0.66	1,228,839,603	12.9	462	3.02				
1860.....		7,960,493,063	101.2	3,904	19.60	6,845,045,007	103.1	3,251	16.32	246,118,141	62.4	120	0.60	1,089,329,916	100.2	533	2.68				
1850.....		3,967,343,580		2,738	13.51	3,271,575,426		2,258	11.14	151,587,638		105	0.52	544,180,516		376	1.85				
<b>GEOGRAPHIC DIVISIONS</b>																					
<b>NEW ENGLAND.</b>																					
1910.....		867,240,457	35.6	4,593	43.99	718,544,808	36.0	3,806	36.27	50,798,826	49.0	269	2.58	97,806,823	30.8	519	4.97				
1900.....		639,645,967	9.3	3,333	31.63	528,267,748	7.9	2,753	25.71	36,551,820	53.7	190	1.78	74,826,332	4.0	390	3.64				
1890.....		585,267,817	-12.9	3,081	29.63	498,570,178	-15.7	2,577	24.78	33,783,288	7.6	125	1.20	71,914,351	4.1	379	3.64				
1880.....		671,846,038	18.6	3,242	31.27	580,681,418	24.0	2,802	27.07	22,096,563	22.5	107	1.03	69,068,077	-13.9	333	3.21				
1870.....		566,535,931	0.9	3,135	34.26	465,133,579	-14.7	2,591	22.92	18,042,440	9.6	100	0.92	57,177,526	38.2	374	4.10				
1860.....		564,467,412	29.9	3,023	27.92	476,368,837	27.9	2,486	23.68	16,468,564	27.3	90	0.85	68,035,016	37.8	373	3.42				
1850.....		435,154,525		2,592	23.69	372,348,543		2,221	20.27	12,937,250		77	0.70	49,868,692		297	2.72				
<b>MIDDLE ATLANTIC.</b>																					
1910.....		2,959,589,022	28.1	6,319	68.52	2,442,949,103	23.3	5,216	56.56	167,480,384	44.1	358	3.88	349,159,535	42.1	745	8.08				
1900.....		2,310,886,728	-3.1	4,759	51.51	1,948,997,940	-4.9	4,013	43.45	116,253,270	24.9	239	2.59	245,635,518	15.1	506	5.48				
1890.....		3,706,511,744	93.4	5,181	24.98	2,968,304,452	97.8	3,245	19.68	125,717,106	45.5	107	0.83	672,380,126	55.2	735	4.46				
1880.....		2,524,721,419	9.0	4,279	44.91	2,222,761,884	7.9	3,446	47.80	84,986,363	18.6	174	1.83	216,972,572	-13.3	444	4.07				
1870.....		2,381,103,898	25.8	5,657	55.15	2,050,060,179	25.1	4,892	47.69	71,635,120	24.9	170	1.66	250,378,599	32.0	495	5.80				
1860.....		1,892,664,457	51.5	4,968	46.20	1,645,644,638	52.0	4,319	40.17	57,356,104	39.1	151	1.40	189,663,715	50.8	488	4.63				
1850.....		1,249,643,065		3,880	33.96	1,082,660,252		3,301	29.42	41,252,970		128	1.12	125,749,845		390	3.42				
<b>EAST NORTH CENTRAL.</b>																					
1910.....		10,119,128,066	78.0	9,007	85.81	8,873,991,594	80.6	7,899	75.25	268,560,520	61.3	239	2.28	976,329,922	61.5	869	8.28				
1900.....		5,083,925,367	19.6	5,004	48.83	4,912,597,440	19.6	4,325	42.23	166,094,220	43.8	147	1.43	664,633,707	15.5	532	5.20				
1890.....		4,751,184,987	14.5	4,709	44.91	4,101,406,702	13.0	4,065	38.77	126,454,149	5.6	125	1.20	523,324,316	27.8	519	4.95				
1880.....		4,158,588,413	34.3	4,221	39.31	3,629,140,732	37.1	3,683	34.31	119,804,675	41.4	122	1.13	409,443,006	14.0	416	3.87				
1870.....		3,696,512,974	52.7	4,057	35.34	3,260,741,523	52.5	3,475	30.27	84,717,947	49.1	111	0.97	339,181,806	52.8	472	4.11				
1860.....		2,028,517,467	151.8	3,458	27.91	1,735,742,858	158.4	2,355	23.88	56,510,880	86.9	97	0.78	236,233,729	127.8	403	3.25				
1850.....		805,787,277		2,189	16.06	671,678,075		1,824	13.38	30,393,929		83	0.61	105,715,673		282	2.07				
<b>WEST NORTH CENTRAL.</b>																					
1910.....		13,553,309,511	132.5	12,195	58.18	11,614,665,870	149.7	10,464	49.12	368,935,544	56.9	332	1.59	1,551,708,097	59.6	1,398	6.67				
1900.....		5,820,994,451	54.5	5,488	28.96	4,651,282,968	56.7	4,385	23.24	197,397,840	59.6	186	0.88	922,343,643	44.6	917	4.84				
1890.....		3,769,511,744	93.4	4,112	24.98	2,968,304,452	97.8	3,245	19.68	125,717,106	45.5	107	0.83	672,380,126	55.2	735	4.46				
1880.....		1,949,743,846	91.5	2,736	19.27	1,500,300,355	86.4	2,105	14.83	86,428,597	122.4	121	0.85	363,014,894	108.2	509	3.59				
1870.....		1,018,032,607	105.8	2,802	19.67	801,587,937	104.1	2,215	15.55	38,858,215	142.4	107	0.75	174,316,455	106.7	480	3.37				
1860.....		494,589,405	354.2	2,667	14.05	394,270,045	392.6	2,126	11.20	16,066,656	209.6	86	0.45	81,313,144	256.2	453	2.40				
1850.....		108,855,147		1,968	8.71	50,045,058		1,153	6.40	5,170,375		74	0.41	25,669,714		341	1.89				
<b>SOUTH ATLANTIC.</b>																					
1910.....		2,951,200,773	103.0	2,654	28.44	2,486,436,474	106.1	2,236	23.96	98,230,147	84.2	88	0.95	366,534,152	88.6	330	3.53				
1900.....		1,454,031,316	9.0	1,511	13.94	1,206,349,618	6.3	1,254	11.57	53,318,896	46.3	55	0.51	194,362,805	20.3	202	1.86				
1890.....		1,335,995,489	26.6	1,719	13.31	1,135,319,670	27.3	1,515	11.34	36,444,018	18.3	49	0.36	161,631,632	28.8	216	1.61				
1880.....		1,053,156,574	42.2	1,634	10.38	861,774,157	46.1	1,384	8.73	30,812,107	53.9	48	0.30	130,570,311	18.8	133	1.29				
1870.....		740,833,437	-38.6	1,980	8.21	610,428,191	-39.5	1,632	6.77	20,625,239	-41.2	54	0.22	110,379,984	-33.0	95	1.22				
1860.....		1,207,375,444	71.0	3,999	11.33	1,008,613,065	74.9	3,340	9.74	34,045,771	38.1	113	0.32	164,716,608	59.6	246	1.55				
1850.....		706,208,481		2,845	7.56	576,590,583		2,323	6.17	24,656,545		99	0.26	104,961,353		423	1.12				
<b>EAST SOUTH CENTRAL.</b>																					
1910.....		2,182,771,779	82.5	4,094	26.78	1,788,397,839	86.2	1,608	21.32	75,339,333	54.5	72	0.92	369,094,607	73.0	354	4.53				
1900.....		1,195,868,790	13.4	2,324	14.72	983,750,823	12.8	1,034	11.49	48,767,235	35.7	54	0.60	219,320,732	7.9	269	2.63				
1890.....		1,046,730,138	24.6	1,608	13.35	827,514,447	22.1	1,262	10.47	31,323,896	14.1	48	0.40	195,891,795	38.5	299	2.48				
1880.....		854,767,577	20.0	1,486	11.01	677,848,631	24.7	1,190	8.82	27,464,111	40.0	48	0.36	141,395,435	-0.7	248	1.84				
1870.....		705,264,773	-29.0	1,897	10.64	545,550,620	-41.5	1,461	8.20	19,612,753	-39.1	53	0.30	112,401,400	-31.3	383	2.15				



## CHAPTER 10.

# TENURE, MORTGAGE INDEBTEDNESS, COLOR AND NATIVITY OF FARMERS, AND SIZE OF FARMS.

**Introduction.**—This chapter shows in condensed form the main results of the Thirteenth Census of the United States, taken as of April 15, 1910, with reference to the tenure of farms, the mortgage indebtedness on farms, the color and nativity of farm operators, and the size of farms, presenting statistics by geographic divisions and states. Alaska, Hawaii, Porto Rico, and other outlying possessions are not included.

**Definitions.**—One of the most important branches of agricultural statistics is that which relates to the distribution of farms and farm property according to the tenure under which the farm operator holds the land. The three main classes of farm operators, on the basis of tenure, are (1) owners, (2) hired managers, and (3) tenants. In some of the tables a distinction is made between owners who operate their own land exclusively and those who rent additional land, while the class of tenants is subdivided into

share tenants, share-cash tenants, and cash tenants. The following are the definitions of the several classes of farm operators, substantially as furnished to the census enumerators:

**Farm owners** include (1) farmers operating their own land only, and (2) those operating both their own land and some land hired from others.

**Managers** are farmers who are conducting farm operations for the owner for wages or a salary.

**Farm tenants** are farmers who, as tenants, renters, or croppers, operate hired land only. They were reported in 1910 in three classes: (1) *Share tenants*—those who pay a certain share of the products, as one-half, one-third, or one-quarter; (2) *share-cash tenants*—those who pay a share of the products for part of the land rented by them and cash for part, as cash for pasture or garden and a share of all the crops grown on plowed land; and (3) *cash tenants*—those who pay a cash rental or a stated amount of labor or products, such as \$7, 10 bushels of wheat, or 100 pounds of seed cotton per acre. All tenants who did not specify whether they rented for cash or for a share of the products, or both, are tabulated as having "tenure not specified."

## TENURE OF FARMS.

**Tenure in the United States as a whole: 1910 and 1900.**—Table 1 shows, for the United States as a whole, the number of farms in 1910 classified by

tenure, with corresponding data for 1900 as far as available. It shows also the acreage of the farms in the three main groups.

Table 1 CLASS OF OPERATOR.	NUMBER OF FARMS.				ALL LAND IN FARMS (ACRES).				PER CENT OF TOTAL.			
	1910	1900	Increase. <sup>1</sup>		1910	1900	Increase. <sup>1</sup>		Number of farms.		Acreage.	
			Number.	Per cent.			Acres.	Per cent.	1910	1900	1910	1900
All farms.....	6,361,502	5,737,372	624,130	10.9	878,798,325	838,591,774	40,206,551	4.8	100.0	100.0	100.0	100.0
Owners.....	3,948,722	3,653,323	295,399	8.1	598,554,617	556,049,051	42,514,566	7.6	62.1	63.7	68.1	66.3
Owning entire farm.....	3,354,897	3,201,947	152,950	4.8					52.7	55.8		
Renting additional land.....	593,825	451,376	142,449	31.6					9.3	7.9		
Managers.....	58,104	59,085	-981	-1.7	53,730,805	87,518,186	-33,787,321	-38.6	0.9	1.0	6.1	10.4
Tenants.....	2,354,676	2,024,964	329,712	16.3	226,512,843	195,033,537	31,479,306	16.1	37.0	35.3	25.8	23.3
Share.....	1,299,923	1,273,299	26,624	2.0					22.0	22.2		
Share-cash.....	128,466								2.0			
Cash.....	712,294								11.2			
Not reported.....	113,993	751,665	74,622	9.9					1.8	13.1		

<sup>1</sup> A minus sign (—) denotes decrease.

In the United States as a whole in 1910 substantially five-eighths (62.1 per cent) of the farms were operated by owners and three-eighths (37 per cent) by tenants, the proportion operated by hired managers being less than 1 per cent. Owners "owning entire farm" are more than five times as numerous as owners "renting additional land." In most cases of share-cash tenancy the share feature is the more important, the principal crops being raised on shares,

while only a small amount of land, usually for a home garden or for pasture, is rented on the basis of cash payment. Share-cash tenants were included with share tenants in 1900, while tenants for whom the form of payment was not specified were included with cash tenants. The share and share-cash tenants, as reported, together constituted substantially two-thirds of the entire number of tenants both in 1910 and in 1900.

Between 1900 and 1910 the farms operated by owners increased 8.1 per cent in number, while those operated by tenants increased 16.3 per cent, the small number operated by managers decreasing 1.7 per cent. It may be noted that at least since 1880 (and probably further back also) the farms operated by tenants have in each decade increased faster than those operated by owners. Tenant farms constituted 25.6 per cent of all farms in 1880; 28.4 per cent in 1890; 35.3 per cent in 1900; and 37 per cent in 1910.

The distribution of acreage of farms according to tenure differs somewhat from the distribution of the

number of farms. Farms operated by owners contained 68.1 per cent of the total acreage in 1910; tenant farms, 25.8 per cent; and farms operated by managers, 6.1 per cent. The acreage of farms operated by owners increased 7.6 per cent during the decade 1900 to 1910, while that of tenant farms increased 16.1 per cent. There was a marked decrease in the total acreage of farms operated by managers.

**Main tenure classes, by geographic divisions: 1910 and 1900.**—Table 2 shows the number, total and improved acreage, and value of land and buildings of the farms of the three main tenure groups in each geographic division for 1910 and 1900.

NUMBER, TOTAL AND IMPROVED ACREAGE, AND VALUE OF LAND AND BUILDINGS OF FARMS, CLASSIFIED BY TENURE OF OPERATOR, WITH PERCENTAGES, BY DIVISIONS: 1910 AND 1900.

Table 2	NUMBER OF FARMS.		ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.		PER CENT OF TOTAL.							
									Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
<b>UNITED STATES</b>																
Total.....	6,361,562	5,737,372	878,798,325	838,591,774	478,451,750	414,498,467	\$38,801,125,687	\$16,614,647,491	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	3,948,722	3,693,323	598,554,617	556,040,051	308,850,421	278,231,252	22,366,934,278	11,091,392,065	62.1	63.7	68.1	66.3	64.8	67.1	64.3	66.8
Managers.....	58,104	59,086	65,730,855	87,918,186	19,314,015	10,939,500	1,456,958,992	774,528,686	0.9	1.0	6.1	10.4	2.6	2.6	4.2	4.7
Tenants.....	2,354,676	2,024,964	226,512,843	195,533,537	156,287,314	125,357,735	10,977,232,427	4,748,426,170	37.0	35.3	25.8	23.3	32.7	30.2	31.5	28.6
<b>NEW ENGLAND.</b>																
Total.....	188,502	191,888	19,714,931	20,548,999	7,254,904	8,134,403	718,544,808	528,267,748	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	108,408	109,194	10,950,125	17,831,187	6,259,484	6,993,008	579,953,343	433,769,770	89.2	88.2	86.7	86.8	86.3	86.0	83.7	82.1
Managers.....	5,779	4,736	1,087,463	794,495	376,404	308,154	81,663,226	42,482,628	2.8	2.5	5.5	3.9	5.2	3.5	11.4	8.0
Tenants.....	15,015	17,958	1,538,343	1,923,117	618,156	835,241	56,930,239	52,015,310	8.0	9.4	7.8	9.4	8.5	10.3	7.9	9.8
<b>MIDDLE ATLANTIC.</b>																
Total.....	468,379	485,618	43,191,056	44,860,090	29,320,894	30,756,211	2,442,949,103	1,948,997,940	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	355,036	354,411	30,283,268	30,522,456	20,288,000	20,652,713	1,594,225,109	1,246,587,320	75.8	73.0	70.1	68.0	69.2	67.1	65.3	64.0
Managers.....	9,072	8,383	1,714,084	1,501,774	910,418	804,706	178,283,750	102,029,200	1.9	1.7	4.0	3.3	3.1	2.6	7.3	5.2
Tenants.....	104,271	122,824	11,193,704	12,835,860	8,122,416	9,328,792	670,440,244	600,381,360	22.3	25.3	25.9	28.6	27.7	30.3	27.4	30.8
<b>EAST NORTH CENTRAL.</b>																
Total.....	1,123,489	1,135,823	117,929,148	116,340,761	88,947,228	86,670,271	8,873,991,594	4,912,597,440	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	809,044	826,313	80,294,320	82,363,334	58,470,026	59,590,428	5,458,989,257	3,257,174,800	72.0	72.8	68.0	70.8	63.7	68.8	64.5	66.3
Managers.....	10,848	11,224	2,354,205	2,271,111	1,493,321	1,444,509	198,917,752	111,800,501	1.0	1.0	2.0	2.0	1.7	1.7	2.2	2.3
Tenants.....	303,597	298,286	35,240,622	31,706,316	28,982,881	25,635,339	3,216,984,585	1,544,182,080	27.0	26.3	30.0	27.3	32.6	29.6	30.6	31.4
<b>WEST NORTH CENTRAL.</b>																
Total.....	1,109,948	1,060,744	232,648,121	201,008,713	164,284,802	135,643,828	11,614,665,870	4,631,282,998	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	738,946	737,910	164,789,865	147,003,919	111,279,583	96,605,533	7,615,889,376	3,298,392,578	68.4	69.6	70.8	73.2	67.7	71.2	68.6	70.1
Managers.....	8,384	8,344	5,005,299	6,591,508	2,726,669	2,420,464	199,611,857	102,000,190	0.8	0.8	2.2	3.3	1.7	1.8	1.7	2.2
Tenants.....	342,618	314,490	62,852,957	47,353,280	50,278,608	36,619,831	3,799,176,637	1,200,690,230	30.9	29.6	27.0	23.6	30.6	27.0	32.7	27.7
<b>SOUTH ATLANTIC.</b>																
Total.....	1,111,881	962,225	103,782,255	104,297,506	48,479,733	46,100,226	2,486,436,474	1,206,349,618	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	593,154	527,512	60,129,783	68,925,874	28,844,267	27,890,075	1,593,294,281	778,139,258	53.4	54.8	60.6	66.1	59.5	60.3	64.1	64.5
Managers.....	8,298	9,115	3,364,300	3,461,094	1,229,084	1,287,337	125,520,280	63,534,320	0.7	0.7	3.2	3.3	2.5	2.8	5.0	5.3
Tenants.....	510,429	425,598	31,288,082	31,910,026	18,406,382	17,012,514	767,602,903	364,676,040	45.9	44.2	30.1	30.6	38.0	36.9	30.9	30.2
<b>EAST SOUTH CENTRAL.</b>																
Total.....	1,042,480	903,313	81,520,629	81,247,643	43,946,846	40,237,337	1,738,397,839	933,780,823	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	510,452	463,666	57,131,972	57,381,476	27,383,922	25,374,069	1,135,752,620	616,577,531	49.0	51.3	70.1	70.0	62.3	63.1	65.3	66.0
Managers.....	3,290	4,606	1,093,467	1,623,450	578,791	578,791	67,597,661	27,529,790	0.3	0.3	2.0	2.0	1.3	1.6	2.7	2.9
Tenants.....	528,738	435,041	22,788,190	22,242,717	15,984,133	14,222,975	535,047,652	289,673,630	50.7	48.1	29.0	27.4	36.4	35.3	31.9	31.6
<b>WEST SOUTH CENTRAL.</b>																
Total.....	943,186	754,853	109,119,576	156,491,202	58,264,273	39,770,530	3,128,596,882	1,138,891,068	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	440,063	379,284	60,533,474	96,588,471	30,885,471	22,792,774	1,677,889,518	603,942,645	46.7	50.2	61.7	59.5	57.3	56.3	57.9	57.9
Managers.....	4,696	4,464	19,698,151	46,220,830	1,426,467	1,254,124	205,185,142	135,054,040	0.5	0.7	11.6	26.2	2.4	3.1	6.6	11.9
Tenants.....	498,585	370,615	45,098,331	35,402,496	25,952,335	15,726,330	1,155,533,219	344,112,363	52.8	49.1	26.7	19.0	41.5	39.5	36.9	30.2
<b>MOUNTAIN.</b>																
Total.....	193,446	101,327	59,593,420	46,297,254	15,915,002	8,482,576	1,319,396,573	338,619,672	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	109,814	85,091	42,263,926	25,429,926	12,152,588	6,324,997	922,132,326	237,084,635	87.7	84.4	71.0	55.1	76.4	75.3	73.7	70.0
Managers.....	2,912	3,417	11,003,725	16,515,149	1,471,963	946,550	133,047,720	54,904,110	1.6	3.4	18.5	35.6	9.2	11.3	10.1	16.2
Tenants.....	19,690	12,409	6,263,765	4,358,209	2,290,451	1,131,029	214,216,618	46,130,927	10.7	12.2	10.5	9.4	14.4	13.5	16.2	13.8
<b>PACIFIC.</b>																
Total.....	189,891	141,581	51,328,758	47,399,576	22,038,908	18,753,105	2,478,146,254	955,860,154	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	151,931	109,512	33,276,880	29,600,061	14,286,688	12,099,625	1,648,858,342	603,942,276	80.0	77.3	64.8	62.4	64.8	64.5	66.5	63.2
Managers.....	5,225	4,166	7,900,061	8,528,005	2,100,898	1,807,796	287,684,582	135,853,698	2.8	2.9	15.4	18.0	9.5	9.6	11.6	14.2
Tenants.....	32,733	27,903	10,151,848	9,261,510	5,650,462	4,845,684	541,603,330	216,064,280	17.2	19.7	19.8	19.5	25.6	25.8	21.9	22.6

As respects the proportion which tenant farms form of the total number of farms, the divisions fall into three groups. The three southern divisions (South Atlantic, East South Central, and West South Central) have a high proportion of tenant farms, the proportion in 1910 exceeding 50 per cent in the last two divisions named. In three of the northern divisions (the West North Central, East North Central, and Middle Atlantic) the number of tenant farms is also comparatively large, the proportion varying in 1910 from 30.9 per cent in the West North Central division to 22.3 per cent in the Middle Atlantic. In the two western divisions (the Pacific and Mountain) and in the New England division the proportion was much lower, ranging from 17.2 per cent in the Pacific division to 8 per cent in the New England.

In the southern divisions the average size of tenant farms is much smaller than that of farms operated by owners, so that the proportion which the total acreage of tenant farms forms of the total acreage of all farms in these divisions is not materially different from the proportion in the Middle Atlantic, East North Central, and West North Central divisions.

The number of farms operated by managers is small in all of the divisions, the highest proportion being in the New England and Pacific divisions, 2.8 per cent in each case. In the Mountain, Pacific, and West South Central divisions, however, the acreage of farms

operated by managers is of considerable importance, constituting 18.5 per cent, 15.4 per cent, and 11.6 per cent, respectively, of the total acreage in farms.

In the East North Central and West North Central divisions, which constitute the most important farming divisions of the country, and also in the three divisions constituting the South, the tenant farms formed a larger proportion, and farms operated by owners a smaller proportion, of the total number of farms in 1910 than in 1900, but the opposite is true of the New England and Middle Atlantic divisions in the extreme East and the Mountain and Pacific divisions in the West. The proportion which the acreage of tenant farms represents of the total farm acreage increased in all divisions except the New England, Middle Atlantic, and South Atlantic, which show a decrease in this respect, accompanied, in the Middle Atlantic and South Atlantic divisions, by an increase in the proportion of the acreage in farms operated by owners. This latter class of farms also shows an increase in its proportion of the total acreage in the Mountain, Pacific, and West South Central divisions, the farms operated by managers constituting the only class in these divisions which decreased in relative importance as measured by acreage.

Table 3 shows, by divisions, the percentage of increase or decrease in the number and acreage of farms of the three main tenure groups from 1900 to 1910.

DIVISION.	Number of farms.				All land in farms.				Improved land in farms.				Value of land and buildings.			
	Total.	Own-ers.	Man-a-gers.	Ten-ants.	Total.	Own-ers.	Man-a-gers.	Ten-ants.	Total.	Own-ers.	Man-a-gers.	Ten-ants.	Total.	Own-ers.	Man-a-gers.	Ten-ants.
United States.....	10.9	8.1	-1.7	16.3	4.8	7.6	-38.6	16.1	15.4	11.4	12.9	24.7	109.5	101.7	88.0	131.2
New England.....	-1.6	-0.5	13.6	-16.4	-4.1	-4.2	36.8	-20.0	-10.8	10.5	22.9	-25.9	36.0	33.7	92.2	9.4
Middle Atlantic.....	-3.5	0.2	8.2	-15.1	-3.7	-0.8	14.1	-12.8	-4.8	-1.8	13.1	-12.9	23.3	27.9	74.7	11.7
East North Central.....	-1.1	-2.1	-3.3	1.8	1.4	-2.6	3.7	11.5	-2.6	-1.9	3.4	13.1	80.6	67.6	78.3	108.3
West North Central.....	4.6	2.9	-0.1	9.0	15.7	12.1	-24.1	22.7	21.1	15.2	12.7	37.3	149.7	133.7	95.3	194.4
South Atlantic.....	15.6	12.4	-9.0	19.9	-0.5	0.3	-2.8	-1.9	5.2	3.8	-4.5	8.2	106.1	104.8	97.6	110.5
East South Central.....	15.4	10.1	-29.9	21.6	0.3	-0.4	-1.2	2.4	9.2	7.9	-9.6	12.4	86.2	84.2	72.9	91.6
West South Central.....	24.9	16.2	-5.2	34.3	-4.2	7.8	-57.4	34.8	46.5	35.5	14.0	65.0	174.7	168.0	51.9	235.8
Mountain.....	81.0	88.1	-14.8	58.7	28.3	65.5	-33.4	44.4	89.4	92.1	55.5	102.5	280.6	310.0	142.3	339.4
Pacific.....	34.1	38.7	25.4	17.3	8.3	12.4	-7.5	9.6	17.5	18.1	16.2	16.6	150.2	173.0	111.8	150.7

1 A minus sign (-) denotes decrease.

Table 4 shows, by divisions, certain averages and percentages which reflect differences in the characteristics of farms operated by owners, managers, and tenants, respectively.

In the country as a whole the average size in 1910 of farms operated by owners was 151.6 acres; of farms operated by managers, 924.7 acres; and of tenant farms, 96.2 acres. The farms operated by managers are in all geographic divisions materially larger than those operated by owners or tenants, but the excess in the size of farms operated by owners over that of tenant farms, which appears in the average for the country as a whole, is by no means found in all parts of the country. Farms operated by owners are somewhat larger than those operated by tenants in the West North Central division and very much larger in the South, but on the other hand, in the three

more easterly divisions of the North and in the Mountain and Pacific divisions, the tenant farms are the larger, although there is very little difference in New England. Conditions as to relative size were approximately the same in 1900 as in 1910. The average size of farms operated by owners decreased more or less during the decade in all divisions except the West North Central, while that of tenant farms increased somewhat in the Middle Atlantic, East North Central, West North Central, and West South Central divisions.

The ratio which the acreage of improved farm land bears to the total farm acreage is higher in the case of tenant farms than in the case of farms operated by owners in every geographic division, the difference being particularly conspicuous in the South and in the West North Central and Pacific divisions.

Table 4

DIVISION AND CLASS OF OPERATOR.	AVERAGE ACRES PER FARM.						PER CENT OF FARM LAND IMPROVED.	AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land in farms.		Improved land in farms.					Per farm.		Per acre.	
	1910	1900	1910	1900	1910	1900		1910	1900	1910	1900
UNITED STATES											
Total.....	138.1	146.2	75.2	72.2	54.4	49.4	\$5,471	\$2,896	\$39.60	\$19.81	
Owners.....	151.6	182.2	78.5	76.2	51.8	50.9	5,694	3,026	37.37	19.95	
Managers.....	924.7	1,481.2	219.1	184.6	22.9	12.5	26,075	13,114	27.12	8.85	
Tenants.....	96.2	96.3	66.4	61.9	69.0	64.3	4,662	2,315	48.46	24.35	
NEW ENGLAND.											
Total.....	104.4	107.1	38.4	42.4	36.8	39.6	3,806	2,753	36.45	25.71	
Owners.....	101.5	105.4	37.2	41.3	36.6	39.2	3,444	2,564	33.94	24.33	
Managers.....	202.2	167.8	70.0	64.6	34.6	38.5	15,182	8,970	75.10	53.46	
Tenants.....	102.5	107.1	41.2	46.5	40.2	43.4	3,792	2,836	57.01	27.05	
MIDDLE ATLANTIC.											
Total.....	92.2	92.4	62.6	63.4	67.9	68.6	5,216	4,013	56.56	43.45	
Owners.....	85.3	84.1	57.1	58.3	67.0	67.7	4,500	3,517	52.64	40.84	
Managers.....	188.9	179.1	100.4	96.0	53.1	53.6	19,652	12,171	104.01	67.94	
Tenants.....	107.4	104.5	77.9	76.0	72.6	72.7	6,430	4,888	59.89	46.77	
EAST NORTH CENTRAL.											
Total.....	105.0	102.4	79.2	76.3	75.4	74.5	7,896	4,325	75.25	42.23	
Owners.....	99.2	96.7	72.3	72.1	72.9	72.3	6,747	3,942	68.04	39.55	
Managers.....	217.0	202.3	137.7	128.7	63.4	63.6	18,284	9,911	84.25	48.68	
Tenants.....	116.4	106.3	95.5	85.9	82.0	80.9	10,595	5,177	91.02	48.70	
WEST NORTH CENTRAL.											
Total.....	209.6	189.5	148.0	127.9	70.6	67.5	10,464	4,385	49.92	23.14	
Owners.....	217.1	199.3	146.6	130.9	67.5	65.7	10,035	4,416	46.22	22.16	
Managers.....	597.0	585.3	325.2	288.4	54.5	36.7	23,809	12,175	89.88	15.50	
Tenants.....	183.4	156.6	146.7	116.5	80.0	77.3	11,089	4,166	60.45	27.26	
SOUTH ATLANTIC.											
Total.....	93.3	108.4	43.6	47.0	46.7	44.2	2,236	1,254	23.96	11.57	
Owners.....	116.5	130.7	48.6	52.1	41.7	40.3	2,086	1,475	23.05	11.29	
Managers.....	405.4	379.8	148.1	141.3	36.5	37.2	15,129	6,970	37.31	18.35	
Tenants.....	61.3	75.0	36.1	40.0	58.8	53.3	1,504	857	24.53	11.43	
EAST SOUTH CENTRAL.											
Total.....	78.2	89.9	42.2	44.5	53.9	49.5	1,668	1,034	21.32	11.49	
Owners.....	111.9	123.8	53.6	54.7	47.9	44.2	2,225	1,330	19.88	10.75	
Managers.....	457.4	345.7	175.9	139.3	36.1	39.4	14,467	5,862	29.48	16.96	
Tenants.....	43.1	51.1	30.2	32.7	70.2	63.9	1,050	666	24.36	13.02	
WEST SOUTH CENTRAL.											
Total.....	179.3	233.8	61.8	52.7	34.4	22.5	3,317	1,509	18.50	6.45	
Owners.....	236.7	255.2	70.1	60.1	29.6	23.5	4,010	1,739	16.94	6.81	
Managers.....	4194.7	9,330.6	3,003.8	2,524.6	7.2	2.7	43,633	27,262	10.42	2.92	
Tenants.....	90.6	90.3	52.2	42.4	57.5	47.0	2,322	928	25.62	10.28	
MOUNTAIN.											
Total.....	324.5	457.9	86.8	82.9	26.7	18.1	7,192	3,342	22.16	7.20	
Owners.....	262.8	298.7	75.6	74.0	28.8	24.8	6,044	2,773	23.00	9.28	
Managers.....	3778.8	4,833.2	2,505.5	2,277.0	13.4	5.7	45,689	16,068	12.09	3.32	
Tenants.....	318.1	349.6	116.3	91.1	36.6	26.1	10,579	3,758	34.20	10.75	
PACIFIC.											
Total.....	270.3	334.8	116.1	132.5	42.9	39.6	13,050	6,751	48.28	20.17	
Owners.....	219.0	270.3	94.4	110.5	42.9	40.9	10,853	5,515	49.55	20.40	
Managers.....	1512.0	2,049.4	402.1	433.9	26.0	21.2	55,039	32,610	36.42	15.61	
Tenants.....	310.1	351.9	172.6	173.3	55.7	52.3	16,546	7,745	53.53	23.33	

This condition is due probably to the fact that tenants in most cases rent only that land of which they expect

to make active use, and therefore hire relatively little unimproved land. In every division the percentage of improved land in the farms operated by managers is lower than in those operated by owners, this condition being closely related to the fact, already noted, that the farms of managers are generally much larger than other farms.

Chiefly because they consist more largely of improved land, the tenant farms have in every geographic division a higher average value of land and buildings per acre of land than the farms operated by owners. Furthermore, the average value of land and buildings per farm is greater for tenant farms than for farms operated by owners, except in the three southern divisions, where the tenant farms are considerably smaller than those operated by owners.

Number of farms for all tenure groups, by divisions: 1910 and 1900.—Table 5 shows, for 1910 and 1900, by divisions, the number of farms in each of the major and minor tenure groups.

Farms operated by owners "owning entire farm" greatly outnumber those operated by owners "renting additional land" in all divisions; the difference is less conspicuous in the West North Central division, where there were nearly one-third as many of the latter class in 1910 as of the former.

In every division the farms operated by owners "renting additional land" increased in numbers between 1900 and 1910, while in every division except the Mountain and Pacific the farms operated by owners "owning entire farm" either decreased or increased less rapidly than did those of the former group. It seems to be an increasing practice of farmers to extend the farms they operate by renting land in addition to what they own.

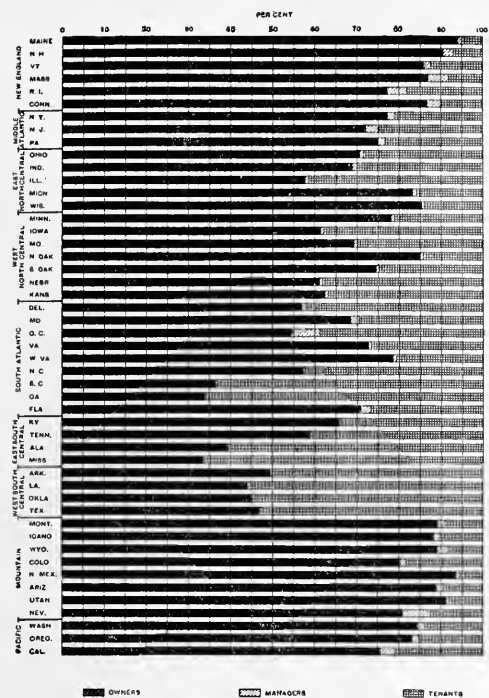
In every geographic division except the New England and Pacific divisions (in both of which the total number of tenants is comparatively small) the number of share tenants materially exceeds the number of cash tenants, the difference being still more conspicuous if the share-cash tenants are counted with those having exclusively a share tenure.

Table 5

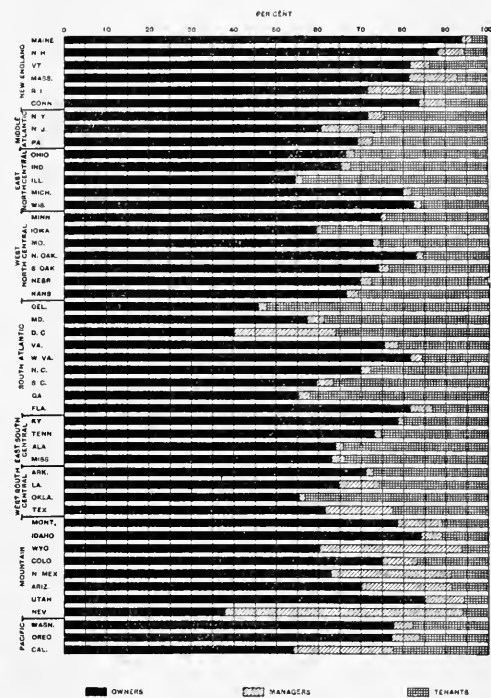
NUMBER OF FARMS OPERATED BY—

DIVISION.	Owners—						Managers.				Cash and "not reported" tenants.			
	Owning entire farm.		Renting additional land.				Share and share-cash tenants.							
							1910		1900		1910		1900	
	1910	1900	1910	1900	1910	1900	Total.	Share.	Share-cash.	Total.	Total.	Cash.	Not reported.	Total.
United States.....	3,354,897	3,201,947	593,225	451,376	58,104	50,085	1,628,389	1,399,923	128,466	1,273,299	836,287	712,294	113,993	751,665
New England.....	162,539	163,554	5,869	5,490	4,736	4,736	2,827	2,611	216	4,936	12,188	9,787	2,401	13,022
Middle Atlantic.....	329,423	332,844	25,613	21,547	9,672	8,383	57,190	54,958	2,232	69,485	47,081	40,958	6,123	53,339
East North Central.....	677,239	713,258	131,805	113,055	10,848	11,223	294,243	170,712	33,551	203,121	99,334	84,082	15,252	95,165
West North Central.....	580,066	581,590	178,889	153,550	8,384	8,394	318,079	167,096	30,993	209,873	124,539	102,885	21,654	112,567
South Atlantic.....	521,558	489,613	71,596	46,889	8,298	6,115	309,498	269,351	10,117	252,899	200,931	176,617	24,314	172,689
East South Central.....	438,977	418,387	71,475	45,299	3,290	4,096	326,478	297,923	12,555	294,778	208,240	192,252	16,008	190,153
West South Central.....	368,555	328,114	72,050	41,170	4,696	4,954	391,365	374,372	16,993	274,677	106,229	84,191	22,029	85,938
Mountain.....	145,029	77,066	15,811	5,833	2,912	3,417	10,964	10,349	615	7,679	8,726	5,661	3,065	4,730
Pacific.....	131,211	62,551	29,722	16,761	5,225	4,166	18,725	12,521	1,204	13,851	19,008	15,863	3,145	14,052

NUMBER OF FARMS, CLASSIFIED BY CHARACTER OF TENURE OF OPERATOR: 1910.



ACREAGE OF ALL LAND IN FARMS, CLASSIFIED BY CHARACTER OF TENURE OF OPERATOR: 1910.



The proportion of farms under share tenancy is highest in the West South Central division, where such farms (including those of share-cash tenants) in 1910 constituted 78.7 per cent of all tenant farms. In all of the divisions constituting the North and the West there was a greater increase (or less decrease) during the decade in the number of cash tenants (including those for whom the form of tenure was not reported) than in the number of

share and share-cash tenants, but in each of the three divisions constituting the South the opposite was true.

**Tenure, by states: 1910 and 1900.**—Table 6, on the two following pages, shows, for each state, the principal facts with regard to the number, total and improved acreage, and value of land and buildings of farms of the three general tenure groups, for 1910, with certain comparative data for 1900.

NUMBER, TOTAL AND IMPROVED ACREAGE, AND VALUE OF LAND AND BUILDINGS OF FARMS, CLASSIFIED BY TENURE OF OPERATOR, BY STATES: 1910 AND 1900.

Table 6 STATE AND CLASS OF OPERATOR.	NUMBER OF FARMS.		ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.		STATE AND CLASS OF OPERATOR.	NUMBER OF FARMS.		ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.		
	1910	1900	1910	1900	1910	1900	1910	1900		1910	1900	1910	1900	1910	1900	1910	1900	
<b>New England.</b>																		
MAINE.																		
Total.....	60,016	59,229	6,296,589	6,299,496	2,360,657	2,360,657	\$159,619,626		<b>West North Central</b> —Continued.									
Owners.....	56,454	55,607	5,915,822	5,918,922	2,222,452	2,222,452	147,713,769											
Managers.....	999	917	156,901	126,337	53,352	53,352	5,375,570											
Tenants.....	2,563	2,775	224,136	255,487	84,853	84,853	6,530,287											
NEW HAMPSHIRE.									MISSOURI.									
Total.....	27,053	29,324	3,249,458	3,609,864	929,185	85,916,061		Total.....	277,244	284,886	34,591,248	33,997,873	24,351,186		\$1,716,204,386			
Owners.....	24,493	26,430	2,803,633	3,186,413	829,301	74,451,558		Owners.....	192,285	196,158	25,189,241	25,413,150	17,694,543		1,206,020,950			
Managers.....	631	631	109,632	169,308	42,730	4,666,870		Managers.....	2,001	1,831	629,545	648,597	396,712		40,361,848			
Tenants.....	1,879	2,185	176,200	254,143	57,094	6,530,287		Tenants.....	82,958	86,897	8,772,162	7,536,126	6,489,931		469,821,561			
VERMONT.									<b>NORTH DAKOTA.</b>									
Total.....	32,709	33,104	4,663,577	4,724,440	1,633,965	112,588,275		Total.....	74,360	45,332	28,426,056	15,542,640	20,455,092		\$22,556,744			
Owners.....	28,065	27,669	3,816,498	3,833,611	1,321,497	88,566,017		Owners.....	63,212	40,972	23,581,728	13,532,850	16,407,638		658,809,660			
Managers.....	636	615	208,938	311,449	52,584	7,926,085		Managers.....	484	467	477,213	661,714	374,882		16,808,168			
Tenants.....	4,008	4,820	638,141	759,380	259,884	16,096,173		Tenants.....	10,664	3,865	4,362,709	1,341,240	3,672,512		146,949,486			
MASSACHUSETTS.									<b>SOUTH DAKOTA.</b>									
Total.....	36,917	37,715	2,875,941	3,147,064	1,164,501	194,168,765		Total.....	77,444	52,622	26,016,982	19,070,616	15,827,208		1,005,080,807			
Owners.....	32,073	32,581	2,344,103	2,646,113	931,621	144,241,398		Owners.....	57,984	40,640	19,314,938	15,168,804	10,779,500		664,509,573			
Managers.....	949	1,531	330,014	234,034	130,206	36,745,940		Managers.....	429	531	633,199	476,141	289,166		13,918,757			
Tenants.....	2,979	2,603	201,924	266,917	82,674	13,181,377		Tenants.....	19,231	11,451	6,066,755	3,425,671	4,779,542		296,652,177			
RHODE ISLAND.									<b>NEBRASKA.</b>									
Total.....	5,292	5,498	443,308	453,602	178,344	27,932,860		Total.....	129,678	121,525	38,622,021	29,911,779	24,382,577		1,813,346,935			
Owners.....	4,087	4,482	318,262	333,354	127,964	18,137,295		Owners.....	79,250	75,483	26,975,554	20,454,685	15,403,311		1,684,248,917			
Managers.....	251	208	44,436	28,700	15,914	5,175,000		Managers.....	987	1,132	1,094,812	1,352,589	562,829		30,056,713			
Tenants.....	954	1,108	80,610	91,548	34,466	6,620,565		Tenants.....	49,441	44,810	5,551,655	8,104,505	8,356,437		699,041,305			
CONNECTICUT.									<b>KANSAS.</b>									
Total.....	26,815	26,948	2,185,788	2,312,083	988,252	138,319,221		Total.....	177,841	173,098	43,384,799	41,662,970	29,904,067		1,737,556,172			
Owners.....	23,234	22,705	1,831,807	1,910,774	827,609	106,841,306		Owners.....	111,108	110,443	28,840,182	29,411,857	19,348,793		1,109,337,955			
Managers.....	949	776	196,649	104,667	61,553	19,672,948		Managers.....	1,335	1,729	1,263,691	2,467,341	434,862		32,473,063			
Tenants.....	2,632	3,467	217,332	296,642	99,685	11,804,967		Tenants.....	65,398	60,926	13,280,926	10,653,772	10,120,412		595,745,154			
<b>Middle Atlantic</b>									<b>South Atlantic</b>									
NEW YORK.																		
Total.....	215,597	226,720	22,030,367	22,648,109	14,844,039	1,184,745,829		<b>DELAWARE.</b>										
Owners.....	166,674	168,698	15,824,840	15,815,967	10,606,157	797,712,574		Total.....	10,836	9,687	1,038,866	1,066,228	713,538		53,155,983			
Managers.....	4,051	5,319	838,476	712,430	451,936	89,015,220		Owners.....	6,178	4,680	476,827	423,763	322,077		27,175,067			
Tenants.....	44,872	54,203	5,367,051	6,119,706	3,805,946	298,018,035		Managers.....	123	131	21,164	16,146	17,587		1,776,280			
NEW JERSEY.										<b>MARYLAND.</b>								
Total.....	33,487	34,656	2,573,557	2,840,966	1,033,336	217,134,519		Total.....	48,923	49,013	5,057,140	5,170,075	3,354,767		241,737,123			
Owners.....	24,133	23,434	1,562,906	1,624,760	1,105,612	133,121,579		Owners.....	33,519	29,212	2,905,318	2,799,642	1,883,482		132,810,705			
Managers.....	1,060	861	227,340	250,292	106,528	27,319,277		Managers.....	1,118	1,052	82,377	129,450	159,962		19,969,242			
Tenants.....	8,294	10,355	783,611	965,908	591,196	56,693,713		Tenants.....	14,411	15,447	1,944,531	2,164,679	1,342,016		84,457,677			
PENNSYLVANIA.									<b>DISTRICT OF COLUMBIA.</b>									
Total.....	219,293	224,248	18,586,832	19,371,615	12,673,519	1,041,068,755		Total.....	217	269	6,063	8,489	5,133		8,231,343			
Owners.....	164,229	162,278	12,855,522	13,081,723	8,576,291	663,300,956		Owners.....	118	133	2,429	2,808	2,127		2,279,800			
Managers.....	3,961	5,703	648,268	539,046	271,954	61,949,303		Managers.....	15	20	1,456	2,005	1,263		3,240,843			
Tenants.....	51,103	56,266	5,083,042	5,750,246	3,725,274	315,728,496		Tenants.....	84	116	2,178	3,676	1,743		2,710,700			
<b>East North Central</b>									<b>VIRGINIA.</b>									
OHIO.																		
Total.....	272,445	276,719	24,105,708	24,501,985	12,227,969	1,654,152,406		Total.....	184,018	167,886	19,496,630	19,907,882	9,870,055		532,038,062			
Owners.....	192,104	197,361	16,031,682	16,900,711	12,724,672	1,654,152,406		Owners.....	133,646	114,155	14,715,345	15,818,185	7,471,786		402,841,285			
Managers.....	77,188	75,931	7,569,390	7,036,411	6,133,555	558,367,436		Managers.....	1,625	2,135	640,325	785,185	329,538		27,335,428			
Tenants.....	2,152	2,427	304,636	564,863	349,442	17,935,700		Tenants.....	48,729	51,596	4,119,966	5,301,050	2,077,744		101,862,341			
INDIANA.									<b>WEST VIRGINIA.</b>									
Total.....	215,485	221,897	21,299,829	21,619,623	16,931,232	1,594,275,596		Total.....	96,685	92,874	10,626,442	10,454,513	5,521,757		264,390,954			
Owners.....	145,481	156,227	13,938,023	15,088,563	10,943,297	993,140,921		Owners.....	75,978	71,529	8,184,195	8,529,402	4,606,103		207,994,488			
Managers.....	2,297	2,222	433,460	496,216	344,151	37,817,116		Managers.....	872	1,054	284,502	358,994	133,834		9,135,465			
Tenants.....	64,687	63,448	6,877,429	6,024,844	5,643,804	503,317,559		Tenants.....	19,335	20,291	1,557,745	1,766,117	781,820		47,260,821			
ILLINOIS.									<b>NORTH CAROLINA.</b>									
Total.....	251,872	264,151	32,522,937	32,794,728	28,048,323	3,522,792,570		Total.....	253,725	224,637	22,439,129	22,749,356	8,813,056		456,624,607			
Owners.....	145,107	138,063	17,787,067	19,671,602	15,033,192	1,765,992,310		Owners.....	143,320	130,572	15,656,323	16,062,030	5,539,783		365,334,961			
Managers.....	1,451	1,491	455,734	514,275	428,465	65,088,033		Managers.....	1,118	1,052	82,377	129,450	159,962		19,969,242			
Tenants.....	104,373	108,698	14,177,411	12,618,788	12,586,666	1,691,												

NUMBER, TOTAL AND IMPROVED ACREAGE, AND VALUE OF LAND AND BUILDINGS OF FARMS, CLASSIFIED BY TENURE OF OPERATOR, BY STATES: 1910 AND 1900—Continued.

Table 6—Contd. STATE AND CLASS OF OPERATOR.	NUMBER OF FARMS.		ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).	VALUE OF LAND AND BUILDINGS.	STATE AND CLASS OF OPERATOR.	NUMBER OF FARMS.		ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).	VALUE OF LAND AND BUILDINGS.
	1910	1900	1910	1900	1910	1910		1910	1900	1910	1900	1910	1910
<b>East South Central</b> —Continued.							<b>Mountain—Contd.</b>						
ALABAMA.							WYOMING.						
Total.....	302,901	223,220	20,732,312	20,685,427	9,693,581	\$288,253,591	Total.....	10,987	6,095	8,543,010	8,124,536	1,256,160	\$97,915,277
Owners.....	103,929	93,472	13,294,106	13,565,350	4,634,232	166,872,238	Owners.....	9,779	5,185	5,152,581	4,022,941	940,372	71,276,554
Managers.....	646	874	366,767	361,301	120,099	6,195,693	Managers.....	311	446	2,862,992	3,608,155	189,900	17,184,459
Tenants.....	158,326	128,874	7,085,439	6,758,776	4,933,250	114,415,600	Tenants.....	897	464	527,437	493,440	125,888	9,454,264
MISSISSIPPI.							COLORADO.						
Total.....	274,382	220,803	18,557,533	18,240,736	9,908,310	334,162,289	Total.....	46,170	24,700	13,532,113	9,474,588	4,302,101	408,518,861
Owners.....	92,460	82,021	11,716,474	11,957,827	4,215,447	171,674,273	Owners.....	36,093	18,239	10,134,797	6,156,841	2,967,807	270,299,463
Managers.....	825	930	586,511	516,176	168,066	12,802,628	Managers.....	757	880	1,140,446	1,787,515	310,462	29,343,653
Tenants.....	181,491	137,852	6,254,548	5,766,733	4,624,797	149,685,388	Tenants.....	8,300	5,581	2,236,870	1,530,232	1,083,802	108,965,745
West South Central							NEW MEXICO.						
ARKANSAS.							Total.....	35,676	12,311	11,270,021	5,139,878	1,467,191	111,830,999
Total.....	214,678	178,694	17,416,075	16,636,719	8,076,254	309,166,813	Owners.....	33,398	10,674	7,065,901	2,421,403	1,298,739	80,982,225
Owners.....	106,649	96,735	12,389,542	12,187,517	4,815,122	181,882,010	Managers.....	321	483	3,185,759	2,282,612	74,147	20,343,772
Managers.....	763	816	328,186	319,450	112,090	10,440,663	Tenants.....	1,957	1,154	978,361	426,863	94,305	10,505,002
Tenants.....	107,266	81,140	4,698,347	4,129,752	3,148,433	116,844,140	ARIZONA.						
LOUISIANA.							Total.....	9,227	5,809	1,246,613	1,935,327	350,173	47,285,310
Total.....	120,546	115,969	10,439,481	11,059,127	5,276,016	237,544,450	Owners.....	8,203	4,985	874,914	523,117	254,439	33,196,611
Owners.....	52,989	47,701	6,766,123	7,167,807	2,965,762	134,121,536	Managers.....	163	333	264,708	1,354,854	35,871	5,800,694
Managers.....	680	1,034	986,357	673,721	414,442	29,902,294	Tenants.....	861	489	106,901	57,356	59,863	8,288,005
Tenants.....	66,607	67,234	2,687,001	2,917,599	1,995,812	73,520,620	UTAH.						
OKLAHOMA. <sup>1</sup>							Total.....	21,676	19,387	3,397,699	4,116,951	1,368,211	117,545,332
Total.....	190,192	108,006	28,859,353	22,988,339	17,551,337	738,677,224	Owners.....	19,762	17,363	2,888,090	2,601,554	1,202,072	101,417,754
Owners.....	85,404	60,209	15,966,795	12,238,431	9,222,165	417,862,302	Managers.....	194	311	315,376	929,298	66,462	6,545,737
Managers.....	651	541	428,679	2,936,411	176,927	8,748,571	Tenants.....	1,720	1,713	194,233	586,099	99,677	9,581,841
Tenants.....	104,137	47,250	12,433,879	7,813,497	8,052,245	312,066,351	NEVADA.						
TEXAS.							Total.....	2,689	2,184	2,714,757	2,565,647	752,117	39,609,339
Total.....	417,770	352,190	112,435,067	125,807,017	27,360,666	1,843,298,395	Owners.....	2,175	1,809	1,032,432	1,461,483	386,132	21,731,515
Owners.....	185,833	174,639	69,291,014	65,214,061	13,882,422	1,034,014,670	Managers.....	181	126	1,524,130	1,002,307	310,527	15,908,493
Managers.....	2,332	2,560	17,954,949	41,991,308	722,390	156,091,617	Tenants.....	333	249	158,195	101,857	55,458	3,969,331
Tenants.....	219,575	174,991	25,279,104	18,601,648	12,755,845	653,102,108	Pacific						
Mountain							WASHINGTON.						
MONTANA.							Total.....	56,192	33,202	11,712,235	8,499,297	6,373,341	571,968,457
Total.....	26,214	13,370	13,545,603	11,844,454	3,640,309	251,625,930	Owners.....	47,505	28,020	9,115,171	6,998,988	4,760,836	436,624,440
Owners.....	23,365	11,661	10,640,902	5,631,184	2,894,823	196,511,859	Managers.....	961	465	529,082	373,499	159,461	29,414,474
Managers.....	565	479	1,429,960	5,351,005	357,840	26,293,068	Tenants.....	7,726	4,777	2,067,982	1,126,810	1,453,014	111,929,543
Tenants.....	2,344	1,230	1,474,711	862,265	387,646	28,821,063	OREGON.						
IDAHO.							Total.....	45,502	35,837	11,685,110	10,071,328	4,274,803	455,576,309
Total.....	30,807	17,471	5,283,604	3,204,903	2,778,740	245,065,825	Owners.....	37,796	28,963	9,036,370	7,411,128	3,061,350	335,786,072
Owners.....	27,169	15,585	4,446,313	2,725,403	2,268,114	196,896,545	Managers.....	847	508	766,007	1,162,468	212,812	28,725,693
Managers.....	459	357	270,234	199,403	136,814	13,627,913	Tenants.....	6,859	6,366	1,882,733	1,497,732	1,000,641	91,064,544
Tenants.....	3,188	1,529	567,057	280,097	383,812	34,631,367	CALIFORNIA.						
							Total.....	88,197	72,542	27,931,444	28,828,951	11,389,894	1,450,601,488
							Owners.....	66,632	52,529	15,125,339	15,189,945	6,464,472	882,447,830
							Managers.....	3,417	3,253	6,604,972	7,002,038	1,728,625	229,544,415
							Tenants.....	18,148	16,760	6,201,133	6,636,968	3,196,797	338,609,243

<sup>1</sup> Figures for 1900 include Indian Territory.

## FARM MORTGAGES.

The inquiries with reference to mortgage debt at each of the last three censuses related only to those farms which were operated by their owners, and no attempt was made to ascertain the total number of farms which were mortgaged or the total amount of mortgage debt. Tenants or hired managers are not likely to have accurate information as to whether the farms they operate are mortgaged, and still less as to the amount of mortgage debt, and it would be practically impossible, in many cases, to reach the owners of such farms in order to ascertain these facts. In the case of farms of owners who rent additional land, the statement as to the amount of mortgage debt relates only to the land owned by the operator. Such farms are included in all of the statistics dealing with the number of farms mortgaged, but not in those relating to the amount of mortgage debt.

**Number of farms mortgaged.**—The statistics with reference to the number of farms mortgaged for the past three censuses are not precisely comparable, although nearly so. At the census of 1910 questions as to mortgage debt applied to all farms operated by owners, while at the two preceding censuses they applied only to the slightly smaller class of "owned

farm homes"—that is, farms occupied by their owners as homes.

Table 7 shows, for the United States as a whole for the last three censuses, the actual returns with regard to the number of farms or farm homes operated or occupied by their owners which were free from mortgage and mortgaged, respectively.

Table 7	Total.	Free from mortgage.	Mortgaged.	Not specified.
1910—Farms operated by owners.	3,948,722	2,588,556	1,312,034	48,092
1900—Owned farm homes.	3,638,403	2,419,180	1,093,164	126,059
1890—Owned farm homes.	3,142,746	2,227,969	875,052	39,725

At the census of 1900 there were many more cases of failure to report the presence or absence of mortgage indebtedness than at the census of 1910 or of 1890. While the proportion free from mortgage or mortgaged can be calculated on the basis of the actual reports, it would not be proper to compute the increase in the number of farms in each of these classes without first distributing in proper proportion the farms for which no report was secured between the two groups. This has been done in Table 8, which presents statistics by divisions.

Table 8	FARMS OR FARM HOMES OPERATED OR OCCUPIED BY OWNERS.													
	Free from mortgage.							Mortgaged.						
	DIVISION.			Increase: <sup>1</sup> 1900-1910		Increase: <sup>1</sup> 1890-1900		1910	1900	1890	Increase: <sup>1</sup> 1900-1910		Increase: <sup>1</sup> 1890-1900	
				1910	1900	1890	Number.				Per cent.	Number.	Per cent.	Number.
	1910	1900	1890	Number.	Per cent.	Number.	Per cent.	1910	1900	1890	Number.	Per cent.	Number.	Per cent.
United States.....	2,621,283	2,510,854	2,255,789	110,629	4.4	254,865	11.3	1,327,439	1,127,749	886,957	199,690	17.7	240,792	27.1
New England.....	109,386	108,474	118,717	1,112	1.0	-10,243	-8.6	58,822	56,129	46,738	2,693	4.8	9,391	20.1
Middle Atlantic.....	219,063	214,285	222,497	4,808	2.2	-8,212	-3.7	135,943	144,462	130,770	-8,519	-5.9	13,692	10.5
East North Central.....	478,408	503,421	479,014	-25,013	-5.0	24,407	5.1	320,636	327,799	288,359	2,837	0.9	39,440	13.7
West North Central.....	408,980	406,265	357,099	2,715	0.7	39,166	13.8	349,966	322,852	330,070	27,114	8.4	-7,218	-2.2
South Atlantic.....	481,412	438,067	387,381	43,515	9.9	50,716	13.1	111,742	88,217	31,080	23,225	26.7	57,137	183.8
East South Central.....	394,573	380,866	346,320	13,707	3.6	34,546	10.0	115,879	77,976	16,234	37,903	48.6	61,742	380.3
West South Central.....	305,792	306,360	238,965	-568	-0.2	67,365	28.2	135,113	67,987	11,955	67,126	98.7	56,032	468.7
Mountain.....	127,490	74,896	45,631	52,504	70.1	29,265	64.1	33,444	12,570	7,511	20,874	166.1	5,059	67.4
Pacific.....	96,039	77,990	60,135	18,049	23.1	17,855	29.7	55,894	29,757	24,240	26,137	87.8	5,517	22.8

<sup>1</sup> A minus sign (-) denotes decrease.

Table 9 shows percentages derived from Table 8.

DIVISION.	PER CENT OF ALL FARMS FOR WHICH MORTGAGE REPORTS WERE OBTAINED. <sup>1</sup>						
	Free from mortgage.			Mortgaged.			
	1910	1900	1890	1910	1900	1890	
United States.....	66.4	68.9	71.8	33.6	31.1	28.2	
New England.....	65.1	65.9	71.8	34.9	34.1	28.2	
Middle Atlantic.....	61.7	59.7	63.0	38.3	40.3	37.0	
East North Central.....	59.1	60.6	62.4	40.9	39.4	37.6	
West North Central.....	53.9	55.7	52.0	46.1	44.3	48.0	
South Atlantic.....	81.2	83.2	92.6	18.8	16.8	7.4	
East South Central.....	77.3	83.0	95.5	22.7	17.0	4.5	
West South Central.....	68.4	81.8	95.2	30.6	18.2	4.8	
Mountain.....	79.2	85.6	85.9	20.8	14.4	14.1	
Pacific.....	63.2	72.4	71.3	36.8	27.6	28.7	

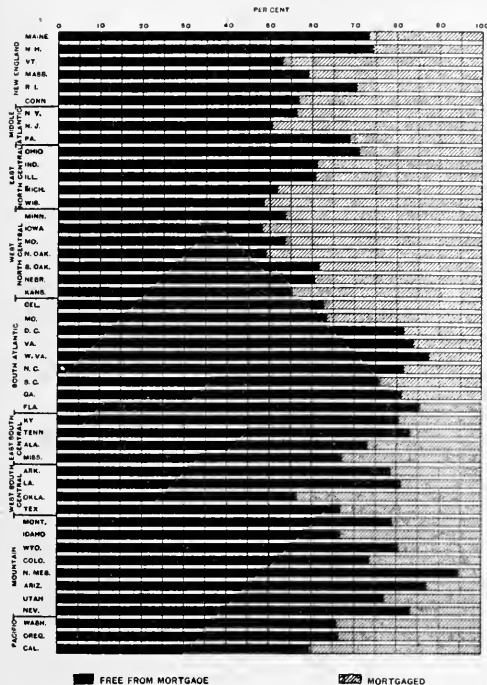
<sup>1</sup> For 1910 based on farms operated by their owners and for 1900 and 1890 on farm homes occupied by their owners.

In making comparisons between geographic divisions and between censuses, it should be borne in mind that the fact of mortgage indebtedness is not necessarily an indication of lack of prosperity. There can be no question but that American farmers generally were more prosperous in 1910 than at the two preceding censuses, and yet in that year a larger proportion of the farms were mortgaged. The proportion of mortgage indebtedness is higher in Iowa and Wisconsin than in any of the other states, and yet these states are among the most prosperous in agriculture. Although in some cases mortgages are placed on farms because of poor crops or other misfortunes or because of mismanagement, they often represent an unpaid portion of the cost of the farm itself or money ex-



pended for additional land or for buildings and other equipment. The conditions in different parts of the country as to land titles and as to availability of public lands for settlement in some cases affect the proportion of farms mortgaged.

NUMBER OF FARMS OPERATED BY THEIR OWNERS,  
FREE FROM MORTGAGE AND MORTGAGED: 1910.



In the United States as a whole the number of farms or farm homes operated or occupied by their owners which were free from mortgage increased much less rapidly during each of the last two census decades than the number mortgaged. The proportion mort-

gaged was 28.2 per cent in 1890, 31.1 per cent in 1900, and 33.6 per cent in 1910.

In 1910 the proportion mortgaged was highest (46.1 per cent) in the West North Central division. The lowest proportions, 18.8 per cent, 22.7 per cent, and 20.8 per cent, respectively, were in the South Atlantic, East South Central, and Mountain divisions.

In every geographic division except the Middle Atlantic the proportion of farms mortgaged was greater in 1910 than in 1900, and in every division except the West North Central the proportion was greater in 1910 than in 1890. The most conspicuous increase in the proportion of farms mortgaged has been in the three southern divisions, and it is very likely that increased confidence of lenders in the titles to land and in the ability of the farmers to pay their debts has had much to do with this change.

**Amount of mortgage debt.**—Table 10 shows, by divisions, for 1910, the number of farms operated by owners owning their entire farm and for which the amount of mortgage debt was reported, together with the total value of the land and buildings of such farms and the amount of debt. For 1890 it shows the total number of owned farm homes mortgaged (including those of owners who rented additional land), with the value of the land and buildings, and the amount of mortgage indebtedness (including estimates). The census statistics with reference to the amount of mortgage debt do not cover all the mortgaged farms reported. In some cases the enumerators were able to ascertain that a farm was mortgaged, but were unable to secure a statement of the amount of indebtedness. Further, the statistics relative to the amount of indebtedness do not include the farms operated by owners who rent additional land, which make up a considerable number. In the case of these farms the report as to the amount of debt would necessarily relate only to the land which was owned by the operator, and it would be improper to compare it with the entire value of the farm, including that of the hired land. The total number of mortgaged farms operated by owners, including those who rent additional land, in the United

Table 10

Table 10	FARMS OPERATED BY OWNERS OWNING ENTIRE FARM: 1910 <sup>1</sup>								OWNED FARM HOMES: 1890 <sup>2</sup>							
	DIVISION.	Num-ber.	Value of land and buildings.	Amount of debt.	Ratio of debt to value, per cent.	Average per farm.			Num-ber.	Value of land and buildings.	Amount of debt.	Ratio of debt to value, per cent.	Average per farm.			
						Value.	Debt.	Equi-ty.					Value.	Debt.	Equi-ty.	
United States.....	1,006,511	\$6,330,236,951	\$1,726,172,851	27.3	\$6,289	\$1,715	\$4,574	686,957	\$3,054,923,165	\$1,055,995,960	35.5	\$3,444	\$1,224	\$2,220		
New England.....	53,791	183,262,183	55,535,508	31.8	3,417	1,088	2,329	46,738	110,123,399	44,512,143	40.4	2,346	952	1,404		
Middle Atlantic.....	118,220	516,334,528	178,326,219	34.5	4,368	1,508	2,860	170,720	542,842,412	234,538,777	43.2	4,151	1,794	2,357		
East North Central.....	257,884	1,605,964,728	459,886,908	28.6	6,227	1,783	4,444	288,839	1,011,288,228	336,156,531	33.2	3,507	1,166	2,341		
West North Central.....	236,975	2,361,364,075	608,480,562	25.8	9,965	2,788	7,177	330,070	1,014,513,328	341,286,412	33.6	3,674	1,034	2,040		
South Atlantic.....	86,522	270,317,165	73,597,258	27.2	3,124	851	2,273	51,080	81,849,919	33,065,166	40.2	2,498	1,083	1,615		
East South Central.....	85,282	263,125,373	59,769,643	29.4	2,382	701	1,681	16,234	28,688,835	12,432,680	43.3	1,767	766	1,001		
West South Central.....	96,687	484,014,790	121,365,670	25.1	5,006	1,255	3,751	11,955	27,862,864	11,924,086	42.8	2,331	997	1,334		
Mountain.....	26,731	247,994,132	59,364,185	23.9	9,277	2,221	7,056	7,511	34,260,985	16,905,181	31.8	4,561	1,452	3,109		
Pacific.....	44,419	457,119,437	106,846,838	23.4	10,291	2,405	7,886	24,240	201,494,022	60,574,984	30.1	8,312	2,469	5,843		

<sup>1</sup> Includes only those reporting value of farm and amount of debt.

<sup>a</sup> Includes all owned farm homes operated by their owners, with estimates for those with incomplete reports.

## MORTGAGES AND MORTGAGE INDEBTEDNESS, BY DIVISIONS AND STATES.

Table 11

Table 11 DIVISION OR STATE.	NUMBER OF FARMS OPERATED BY OWNERS: 1910 <sup>1</sup>				PER CENT REPORTED AS MORTGAGED. <sup>2</sup>			FARMS OPERATED BY OWNERS OWNING ENTIRE <sup>3</sup> FARM: 1910 <sup>2</sup>					RATIO OF DEBT TO VALUE, PER CENT.		
	Total.	Free from mort- gage.	Mort- gaged.	Not re- ported.	1910	1900	1890	Num- ber.	Value of land and buildings.	Amount of debt.	Average per farm.			1910	1890
											Value.	Debt.	Equity.		
United States .....	3,943,722	2,588,596	1,312,034	48,092	33.6	31.1	28.2	1,006,511	\$6,330,236,951	\$1,726,172,851	\$6,289	\$1,715	\$4,574	27.3	35.5
GEOGRAPHIC DIVISIONS:															
New England.....	168,408	108,938	58,474	996	34.9	34.1	28.2	53,791	183,826,183	58,535,508	3,417	1,088	2,329	31.8	40.4
Middle Atlantic.....	355,036	217,257	134,803	2,976	38.3	40.3	37.0	118,220	516,334,328	178,326,219	4,368	1,508	2,860	34.5	43.2
East North Central.....	809,044	473,822	327,463	7,759	40.9	39.4	37.6	257,884	1,605,964,728	459,886,968	6,227	1,783	4,444	28.6	33.2
West North Central.....	738,946	404,555	346,182	8,299	46.1	44.3	48.0	236,975	2,361,540,675	608,480,522	9,965	2,568	7,397	25.8	33.6
South Atlantic.....	593,154	474,742	110,198	8,214	18.8	16.8	7.4	86,522	270,317,105	73,597,258	3,124	851	2,273	27.2	40.2
East South Central.....	510,452	388,837	114,195	7,420	22.7	17.0	4.5	85,282	200,125,373	59,769,643	2,382	701	1,681	29.4	43.3
West South Central.....	440,905	299,303	132,252	9,350	30.6	18.2	4.8	96,687	454,014,790	121,365,670	5,006	1,255	3,751	25.1	42.8
Mountain.....	160,844	125,940	33,660	1,844	29.8	14.4	14.1	26,731	247,994,132	50,364,185	9,277	2,221	7,056	23.9	31.8
Pacific.....	151,933	95,202	55,407	1,324	36.8	27.6	28.7	44,419	457,119,437	106,846,538	19,291	2,405	7,886	23.4	30.1
NEW ENGLAND:															
Maine.....	56,454	41,309	14,948	197	26.6	26.7	22.1	13,894	39,774,005	11,738,529	2,863	845	2,018	29.5	36.7
New Hampshire.....	24,493	18,119	6,234	149	25.6	25.5	21.8	5,666	15,457,040	4,773,610	2,728	842	1,886	30.9	38.4
Vermont.....	28,065	14,851	13,140	74	46.9	46.9	44.3	12,138	36,858,501	14,436,091	3,037	1,025	2,012	33.7	41.8
Massachusetts.....	32,075	18,768	13,014	293	40.9	38.6	30.5	12,030	49,742,396	16,371,484	4,135	1,361	2,774	32.9	41.9
Rhode Island.....	4,087	2,811	1,180	96	29.6	27.1	19.1	1,001	4,087,933	1,356,236	4,084	1,355	2,729	32.2	42.6
Connecticut.....	23,234	13,080	9,938	196	43.2	40.7	31.1	9,062	37,906,308	11,859,468	4,183	1,309	2,874	31.3	40.6
MIDDLE ATLANTIC:															
New York.....	166,674	93,118	72,311	1,245	43.7	46.3	44.2	62,555	284,659,163	97,309,848	4,551	1,556	2,995	34.2	43.6
New Jersey.....	24,133	11,983	11,793	357	49.6	51.9	48.9	10,666	55,507,006	19,476,938	5,204	1,826	3,378	35.1	49.6
Pennsylvania.....	164,229	112,156	50,609	1,374	31.1	32.3	27.4	44,999	176,168,359	61,539,433	3,915	1,368	2,547	34.9	40.7
EAST NORTH CENTRAL:															
Ohio.....	192,104	135,616	54,997	1,491	28.9	29.8	28.9	42,785	220,749,834	63,788,397	5,160	1,491	3,669	28.9	34.3
Indiana.....	148,501	89,847	56,914	1,740	38.8	36.5	33.1	40,108	251,961,241	57,486,582	6,282	1,433	4,849	22.8	30.3
Illinois.....	145,107	86,713	55,792	2,602	39.2	39.3	36.7	36,938	454,857,222	115,799,646	12,314	3,135	9,179	25.5	34.6
Michigan.....	172,310	88,705	82,631	974	48.2	48.3	49.4	68,655	250,874,010	75,997,000	3,654	1,107	2,547	30.3	32.4
Wisconsin.....	151,022	72,941	77,129	932	51.4	45.8	42.9	60,398	427,522,421	146,815,313	6,160	2,116	4,044	34.3	33.3
WEST NORTH CENTRAL:															
Minnesota.....	122,104	65,098	56,145	921	46.3	44.8	46.4	41,775	295,015,775	77,866,283	7,062	1,864	5,198	26.4	31.6
Iowa.....	133,003	63,234	68,045	1,724	51.8	53.0	53.3	50,452	735,265,320	204,242,722	14,574	4,048	10,526	27.8	33.3
Missouri.....	192,285	102,514	88,486	1,285	46.3	42.4	36.4	64,028	389,476,000	112,565,403	6,083	1,758	4,325	28.9	32.3
North Dakota.....	63,212	30,651	31,727	834	50.9	31.4	48.7	19,187	213,642,933	47,841,587	11,135	2,493	8,642	22.4	36.3
South Dakota.....	57,984	35,101	21,691	1,192	38.2	36.7	32.4	11,313	154,749,490	32,771,359	13,679	2,897	10,782	21.2	38.6
Nebraska.....	79,250	47,435	30,839	976	39.4	45.4	52.0	19,778	286,308,920	62,373,472	14,476	3,154	11,322	21.8	32.4
Kansas.....	111,108	60,582	49,249	1,277	44.8	41.8	55.5	30,442	287,082,217	70,819,736	9,430	2,326	7,104	24.7	36.0
SOUTH ATLANTIC:															
Delaware.....	6,178	3,817	2,264	97	37.2	36.5	29.4	2,021	8,801,976	3,068,721	4,355	1,518	2,837	34.9	44.0
Maryland.....	33,519	21,084	12,127	308	36.5	36.8	30.0	10,754	44,398,721	15,673,773	4,129	1,457	2,672	35.3	38.5
District of Columbia.....	118	93	21	4	18.4	18.9	4.1	20	233,400	56,100	11,670	2,805	8,865	24.0	32.8
Virginia.....	133,664	111,474	21,182	1,008	16.0	14.7	3.2	17,410	62,377,247	15,490,291	3,383	887	2,696	24.8	47.6
West Virginia.....	75,978	66,093	9,525	360	12.6	14.1	13.0	7,878	21,549,125	5,392,533	2,735	710	2,025	26.0	32.2
North Carolina.....	145,320	117,028	26,642	1,650	18.5	15.8	4.9	19,252	42,952,440	9,958,389	2,231	517	1,714	23.2	45.6
South Carolina.....	64,350	47,535	15,020	1,795	24.0	20.6	8.0	11,189	39,593,747	10,109,072	3,539	903	2,636	25.5	50.2
Georgia.....	98,628	78,604	18,257	2,367	19.0	14.7	3.4	13,839	37,526,424	10,988,409	2,712	794	1,918	29.3	41.9
Florida.....	35,399	29,614	5,160	625	14.8	10.3	2.9	4,159	12,884,025	2,709,970	3,098	652	2,446	21.0	31.2
EAST SOUTH CENTRAL:															
Kentucky.....	170,332	135,505	33,039	1,788	19.6	15.2	4.1	25,846	81,315,441	23,411,430	3,146	906	2,240	28.8	40.1
Tennessee.....	144,125	118,285	24,066	1,834	16.9	11.5	3.2	17,362	47,232,059	12,626,330	2,720	727	1,993	26.7	40.1
Alabama.....	103,929	74,504	27,457	1,968	26.9	19.2	4.4	19,230	32,311,461	10,350,577	1,680	538	1,142	32.0	43.8
Mississippi.....	92,066	60,543	29,603	1,830	32.9	21.1	7.7	22,844	42,266,412	13,381,306	1,850	586	1,264	31.7	54.4
WEST SOUTH CENTRAL:															
Arkansas.....	106,649	82,321	22,374	1,954	21.4	14.3	4.2	16,555	35,035,023	8,941,332	2,116	540	1,576	25.5	44.4
Louisiana.....	52,989	42,011	9,834	1,144	19.0	17.7	4.0	7,520	28,771,635	8,950,301	3,826	1,190	2,636	31.1	44.1
Oklahoma.....	85,404	46,889	36,036	2,479	43.5	49.2	.....	24,588	122,327,300	27,384,765	4,975	1,114	3,861	22.4	.....
Texas.....	195,863	128,082	64,008	3,773	33.3	23.4	5.7	48,024	297,880,832	76,089,272	6,203	1,584	4,619	25.5	41.7
MOUNTAIN:															
Montana.....	23,365	18,014	4,820	531	21.1	14.0	15.6	3,990	44,615,154	10,741,280	11,182	2,692	8,490	24.1	31.7
Idaho.....	27,109	17,933	9,010	226	33.4	16.4	16.3	7,594	64,376,068	14,537,103	8,477	1,917	6,560	22.6	30.0
Wyoming.....	9,779	7,815	1,923	41	19.7	12.2	13.1	1,531	16,675,387	4,207,983	8,892	2,749	8,143	25.2	34.6
Colorado.....	36,993	26,822	9,636	535	26.4	27.0	25.5	7,571	77,332,068	18,986,026	10,214	3,508	7,706	24.6	32.4
New Mexico.....	33,398	31,382	1,775	241	5.4	2.3	3.0	1,397	10,683,233	2,590,282	7,647	1,854	5,793	24.2	34.2
Arizona.....	8,203	7,038	1,043	122	12.9	6.0	6.8	813	8,695,498	2,253,252	6,096	2,272	7,924	25.9	40.6
Utah.....	19,762	15,131	4,492	139	22.9	11.1	5.5	3,526	21,319,580	4,564,175	6,046	1,294	4,752	21.4	24.0
Nevada.....	2,175	1,805	361	9	16.7	19.3	17.2	309	4,297,144	1,464,084	13,907	4,738	9,160	34.1	33.1
PACIFIC:															
Washington.....	47,505	30,979	16,026	500	34.1	21.7	26.8	12,715	113,394,798	25,644,551	8,918	2,017	6,901	22.6	28.6
Oregon.....	37,796	24,855	12,632	309	33.7	25.2	23.4	10,274	93,525,449	21,165,627	9,103	2,060	7,043	22.6	29.9
California.....	66,632	39,368	26,749	515	40.5	32.2	32.5	21,430	250,199,190	60,036,690	11,675	2,802	8,873	24.0	30.3

<sup>1</sup> Includes

States in 1910 was 1,327,439, but the number for which statistics regarding the amount of indebtedness have been compiled is only 1,006,511.

No statistics of the amount of mortgage indebtedness on farms were collected at the census of 1900, but such statistics were collected in 1890. In the published reports of that census, however, the amount of mortgage indebtedness on farms with incomplete reports was estimated. Moreover, the farms of owners who rented additional land were included in the statistics. Consequently, the statistics of absolute amounts of mortgage debt for 1890 are not comparable with those for 1910. On the other hand, the ratio which the mortgage indebtedness bears to the value of the mortgaged farms is reasonably comparable for the two censuses.

The total value of the land and buildings of the 1,006,511 farms shown for 1910 was \$6,330,000,000, and the amount of debt was \$1,726,000,000, or 27.3 per cent of the value. The corresponding proportion in 1890, as shown in the reports, was 35.5 per cent, and to make this figure strictly comparable it would presumably have to be increased slightly. There was thus during the 20 years a marked diminution in the

relative importance of mortgage debt. This decline in the ratio of debt to value is primarily due to the very rapid increase in the value of land in farms. The average amount of mortgage indebtedness per farm increased from \$1,224 in 1890 to \$1,715 in 1910, but the average owner's equity per farm increased from \$2,220 to \$4,574, or more than doubled.

In 1910 there was no very great difference among the several geographic divisions with respect to the ratio of indebtedness to the value of land and buildings, the highest ratio being 34.5 per cent in the Middle Atlantic division, and the lowest 23.4 per cent in the Pacific division. In every division the ratio of indebtedness to value was materially lower in 1910 than in 1890, when in five of the divisions it exceeded 40 per cent.

**Statistics by states.**—Table 11 presents, by divisions and states, statistics of the number of farms mortgaged for 1910, with comparative percentages for 1900 and 1890, and of the value of mortgaged farms and the amount of mortgage debt for 1910, with comparative percentages for 1890. The percentages showing the relative number of mortgaged farms in each state in 1910 are shown graphically in the diagram on page 293.

## COLOR AND NATIVITY OF FARMERS.

Number of native white, foreign-born white, and colored farmers, by tenure: 1910.—Table 14, on the opposite page, shows, for each geographic division and state, the number of farms in 1910 operated by native whites, foreign-born whites, and colored persons (negroes, Indians, Chinese, and Japanese), respectively, the farms in each group being further classified according to the tenure of the operator. The diagram shows, by states, the number of farms classified by color and nativity of operator in 1910.

Table 12 shows the percentage of the total number of farm operators in each geographic division in 1910 represented by native whites, foreign-born whites, and colored persons, respectively, and also a similar distribution of the farm owners and of the farm tenants. The distribution of farm managers, which is less significant on account of their small number, is not shown.

DIVISION.	PER CENT OF ALL FARM OPERATORS.			PER CENT OF FARM OWNERS.			PER CENT OF FARM TENANTS.		
	Native whites.	Foreign-born whites.	Negroes and other nonwhites.	Native whites.	Foreign-born whites.	Negroes and other nonwhites.	Native whites.	Foreign-born whites.	Negroes and other nonwhites.
United States.....	75.0	10.5	14.5	80.1	13.8	6.1	66.2	5.0	28.8
New England.....	85.3	14.5	0.2	85.6	14.5	0.2	82.6	17.1	0.3
Middle Atlantic.....	89.5	10.1	0.4	89.1	10.5	0.4	91.1	8.4	0.5
East North Central.....	82.7	16.7	0.5	79.9	19.7	0.5	90.3	9.1	0.6
West North Central.....	74.8	24.3	0.9	70.4	28.6	1.0	84.4	14.9	0.7
South Atlantic.....	67.4	0.6	32.0	81.8	1.0	17.2	50.2	0.2	49.6
East South Central.....	68.3	0.5	31.2	87.7	0.8	11.5	49.5	0.2	50.4
West South Central.....	73.4	4.4	22.2	81.0	5.9	13.1	66.6	3.1	30.4
Mountain.....	78.5	17.1	4.4	78.0	17.2	4.8	81.7	16.7	1.7
Pacific.....	69.8	27.7	2.5	69.9	28.7	1.4	67.9	24.1	8.0

Of the 6,361,502 farms in the United States as a whole in 1910, 4,771,063, or 75 per cent, were operated by native white farmers; 669,556, or 10.5 per cent, by foreign-born whites; and 920,883, or 14.5 per cent, by negroes and other nonwhites. These percentages may be compared with those showing the distribution of the total male population of voting age. Of the males 21 years of age and over in the United States in 1910, 65.6 per cent were native whites, 24.6 per cent foreign-born whites, and 9.8 per cent colored.

The colored farmers are for the most part in the Southern states. In the South Atlantic and East South Central divisions nearly one-third of the farm operators are colored, and in the West South Central between one-fourth and one-fifth; while in each of the four divisions constituting the North the proportion is below 1 per cent, and in the Mountain and Pacific divisions (where this class of farmers is made up chiefly

of Indians, Chinese, and Japanese) the proportions are only 4.4 per cent and 2.5 per cent, respectively. Nearly all of the foreign-born white farmers are in the North and West.

## NUMBER OF FARMS, CLASSIFIED BY COLOR AND NATIVITY OF OPERATOR: 1910.

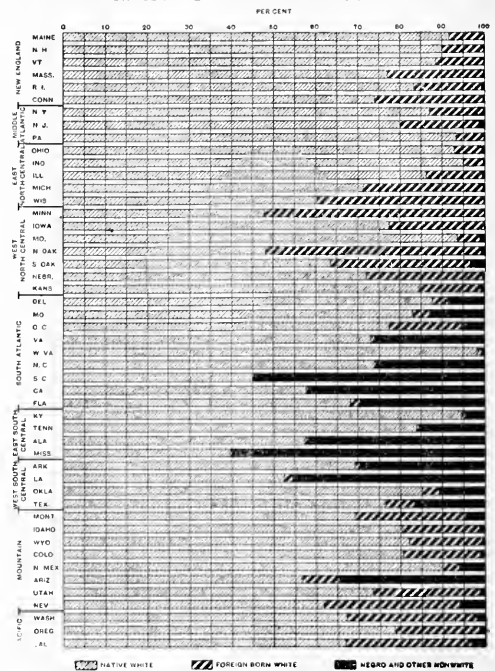


Table 13 shows the proportion of the native white, foreign-born white, and colored farm operators, respectively, who were in each of the three general tenure groups in 1910.

DIVISION.	PER CENT OF NATIVE WHITE FARM OPERATORS.			PER CENT OF FOREIGN-BORN WHITE FARM OPERATORS.			PER CENT OF NEGRO AND OTHER NON-WHITE FARM OPERATORS.		
	Owners.	Tenants.	Managers.	Owners.	Tenants.	Managers.	Owners.	Tenants.	Managers.
United States.....	66.3	32.7	1.0	81.4	17.6	1.0	26.2	73.6	0.2
New England.....	89.6	7.7	2.7	87.2	9.3	3.5	79.2	15.2	5.6
Middle Atlantic.....	75.4	22.7	1.9	79.0	18.6	2.4	72.1	24.2	3.7
East North Central.....	69.5	29.5	1.0	84.6	14.7	0.7	68.4	30.3	1.3
West North Central.....	64.3	34.8	0.9	80.7	18.9	0.4	71.7	24.5	0.8
South Atlantic.....	64.8	34.2	1.0	84.9	11.7	3.4	28.7	71.1	0.2
East South Central.....	62.9	36.7	0.4	81.1	17.8	1.2	18.1	81.9	0.1
West South Central.....	51.6	47.8	0.6	62.7	36.8	0.5	27.0	72.3	0.1
Mountain.....	87.1	11.2	1.7	88.3	10.4	1.3	95.6	4.1	0.3
Pacific.....	80.1	16.8	3.1	83.1	15.0	1.9	43.8	54.5	1.7

FARM OPERATORS CLASSIFIED BY COLOR AND NATIVITY AND BY TENURE, BY DIVISIONS AND STATES: 1910.

Table 14

DIVISION OR STATE.	ALL FARM OPERATORS.				NATIVE WHITE FARM OPERATORS.				FOREIGN-BORN WHITE FARM OPERATORS.				NEGRO AND OTHER NONWHITE FARM OPERATORS.			
	Total.	Owners.	Tenants.	Man-agers.	Total.	Owners.	Tenants.	Man-agers.	Total.	Own-ers.	Ten-ants.	Man-agers.	Total.	Own-ers.	Ten-ants.	Man-agers.
<b>United States.....</b>	<b>6,361,502</b>	<b>3,948,722</b>	<b>2,354,678</b>	<b>58,104</b>	<b>4,771,063</b>	<b>3,162,584</b>	<b>1,558,382</b>	<b>50,087</b>	<b>889,558</b>	<b>544,917</b>	<b>118,186</b>	<b>6,473</b>	<b>929,983</b>	<b>241,221</b>	<b>678,118</b>	<b>1,544</b>
<b>GEOGRAPHIC DIVISIONS:</b>																
New England.....	188,802	108,408	15,015	5,379	161,009	144,212	12,395	4,402	27,451	23,925	2,568	958	342	271	32	19
Middle Atlantic.....	468,379	355,036	104,271	9,072	419,342	316,426	95,030	7,886	47,076	37,196	8,706	1,114	1,961	1,414	475	72
East North Central.....	1,123,489	809,044	303,597	10,848	929,619	646,032	274,112	9,475	188,153	150,104	27,540	1,299	5,717	3,908	1,735	74
West North Central.....	1,109,948	758,946	342,618	8,384	839,642	534,266	289,255	7,127	269,442	217,317	50,944	1,181	9,864	7,366	2,419	76
South Atlantic.....	1,111,881	593,154	510,429	8,298	748,878	485,134	256,412	7,332	7,141	6,029	836	246	355,862	101,961	233,181	720
East South Central.....	1,042,480	510,432	528,758	3,290	712,443	447,808	261,650	2,985	4,819	3,907	856	56	325,218	58,737	246,232	219
West South Central.....	493,156	460,905	497,585	4,606	602,624	357,128	331,233	4,263	41,501	26,008	15,291	202	209,661	57,769	151,061	231
Mountain.....	183,446	146,841	19,600	2,912	143,991	125,426	16,079	2,496	31,427	27,743	3,280	404	8,028	7,075	331	22
Pacific.....	189,891	151,933	32,733	5,225	132,515	106,158	22,226	4,131	52,546	43,658	7,875	1,013	4,830	2,117	2,632	81
<b>NEW ENGLAND:</b>																
Maine.....	60,010	56,454	2,563	989	55,014	51,798	2,286	930	4,973	4,631	274	68	29	25	3	1
New Hampshire.....	27,053	24,493	1,879	681	24,347	22,143	1,612	592	2,691	2,338	265	88	15	12	2	1
Vermont.....	32,709	28,065	4,008	626	28,908	24,789	3,603	576	3,721	3,250	403	59	20	17	2	1
Massachusetts.....	36,917	32,075	2,979	1,863	28,431	24,857	2,173	1,401	8,362	7,109	795	458	124	109	11	4
Rhode Island.....	5,292	4,087	954	251	4,408	3,466	743	199	843	592	199	52	41	29	12	.....
Connecticut.....	26,815	23,234	2,632	949	19,841	17,159	1,978	704	6,861	5,996	632	233	113	79	22	12
<b>MIDDLE ATLANTIC:</b>																
New York.....	215,597	166,674	44,872	4,051	187,029	144,850	39,389	3,390	27,029	21,016	5,366	647	939	808	117	14
New Jersey.....	33,487	24,133	8,294	1,060	26,796	18,833	7,137	826	6,215	5,035	973	207	476	255	184	27
Pennsylvania.....	219,295	164,229	51,063	3,961	204,917	152,743	48,504	3,670	13,832	11,445	2,427	260	546	341	174	31
<b>EAST NORTH CENTRAL:</b>																
Ohio.....	272,045	192,104	77,188	2,753	232,645	176,502	75,598	2,545	17,450	14,289	2,981	180	1,950	1,313	609	28
Indiana.....	215,485	148,501	64,687	2,297	204,951	139,809	62,878	2,204	9,729	8,160	1,491	78	805	472	318	15
Illinois.....	251,872	145,107	104,579	2,386	217,053	123,907	91,014	2,132	33,394	20,411	12,747	230	1,425	769	618	18
Michigan.....	296,960	172,310	122,080	1,961	147,790	118,660	27,609	1,521	58,224	52,863	4,928	431	946	785	152	9
Wisconsin.....	177,127	151,022	24,654	1,451	107,180	87,094	19,013	1,073	69,356	63,379	5,603	374	591	549	38	4
<b>WEST NORTH CENTRAL:</b>																
Minnesota.....	156,137	122,104	32,811	1,222	74,710	52,427	21,446	837	81,134	69,485	11,268	383	293	194	97	2
Iowa.....	217,044	133,003	82,115	1,926	107,856	98,615	67,547	1,694	48,987	34,252	14,505	230	201	136	63	2
Missouri.....	277,244	192,285	82,958	2,001	259,111	177,620	79,609	1,882	12,456	10,833	738	3,666	2,109	1,516	41	.....
North Dakota.....	74,360	63,212	10,664	484	35,750	29,082	6,352	316	37,867	33,403	4,298	166	743	727	14	2
South Dakota.....	77,644	57,984	19,231	429	49,360	35,011	14,024	325	25,476	20,237	5,142	97	2,808	2,736	65	7
Nebraska.....	129,678	79,250	49,441	987	93,500	62,357	40,296	856	35,707	26,524	9,033	130	462	399	92	1
Kansas.....	177,841	111,108	65,308	1,335	150,346	89,148	59,981	1,217	25,804	20,862	4,845	95	1,691	1,098	572	21
<b>SOUTH ATLANTIC:</b>																
Delaware.....	10,836	6,178	4,335	123	9,504	5,448	3,966	100	410	324	79	7	922	406	500	16
Maryland.....	48,923	33,519	14,416	988	40,669	28,407	11,797	825	1,882	1,522	284	76	6,372	3,959	2,335	87
District of Columbia.....	217	118	84	15	168	82	75	11	37	28	6	3	12	8	3	1
Virginia.....	184,018	133,664	48,729	1,625	134,155	99,862	32,884	1,409	1,749	1,574	139	36	48,114	32,228	15,706	140
West Virginia.....	96,685	75,978	19,833	872	95,138	74,674	19,606	858	839	746	86	7	708	558	143	7
North Carolina.....	253,725	145,320	107,287	1,118	187,657	123,510	63,115	1,032	412	367	33	12	65,656	21,443	44,139	74
South Carolina.....	176,434	64,350	111,221	863	79,424	43,834	34,862	728	212	144	64	4	96,798	20,372	76,295	131
Georgia.....	291,027	98,028	190,980	1,419	168,083	82,634	84,167	1,282	385	296	75	14	122,559	15,698	106,738	123
Florida.....	50,016	35,399	13,342	1,275	34,080	27,048	5,959	1,087	1,215	1,038	70	87	14,721	7,298	7,322	101
<b>EAST SOUTH CENTRAL:</b>																
Kentucky.....	259,185	170,332	87,860	993	245,499	162,736	81,837	926	1,956	1,667	262	27	11,730	5,929	5,761	40
Tennessee.....	246,012	144,125	101,061	826	206,281	132,710	73,347	764	883	715	157	11	38,308	10,700	27,557	51
Alabama.....	262,901	103,929	158,326	646	151,214	85,734	64,894	586	1,244	1,113	123	8	110,443	17,082	93,309	52
Mississippi.....	274,382	92,066	181,491	825	108,909	66,628	41,572	709	736	412	314	10	164,737	25,026	139,605	106
<b>WEST SOUTH CENTRAL:</b>																
Arkansas.....	214,678	106,649	107,266	763	148,027	89,839	58,081	707	2,458	2,148	300	10	63,593	14,662	48,885	46
Louisiana.....	120,546	92,969	66,607	950	63,236	40,813	21,587	834	2,431	1,449	943	39	54,879	10,725	44,077	77
Oklahoma.....	190,192	85,404	104,137	651	161,773	68,564	92,607	602	7,748	5,690	2,036	22	20,671	11,150	9,494	27
Texas.....	417,770	195,863	219,575	2,332	318,988	157,910	158,958	2,120	28,864	16,721	12,412	311	69,918	21,232	48,605	81
<b>MOUNTAIN:</b>																
Montana.....	26,214	23,365	2,344	505	18,165	15,985	1,771	409	6,853	6,213	547	93	1,196	1,167	26	3
Idaho.....	30,807	27,169	3,188	450	24,694	21,514	2,781	399	5,708	5,312	345	51	405	343	62	.....
Wyoming.....	10,987	9,779	897	311	9,019	7,965	795	259	1,903	1,753	99	51	65	61	3	1
Colorado.....	46,170	36,993	8,390	787	37,198	29,801	6,711	686	8,398	6,726	1,572	100	574	466	107	1
New Mexico.....	35,676	33,398	1,957	321	32,088	30,046	1,742	300	1,440	1,231	192	17	2,148	2,121	23	4
Arizona.....	9,227	8,203	861	163	5,218	4,410	683	125	806	644	135	27	3,263	3,149	43	11
Utah.....	21,676	19,762	1,720	194	15,948	14,380	1,404	164	5,452	5,166	257	29	276	216	59	1
Nevada.....	2,689	2,175	333	181	1,661	1,325	192	144	807	698	133	36	161	152	8	1
<b>PACIFIC:</b>																
Washington.....	56,192	47,505	7,726	961	37,770	31,163	5,838	769	17,297	15,641	1,475	181	1,125	701	413	11
Oregon.....	45,502	37,796	6,859	847	35,819	29,215	5,883	721	9,056	8,103	835	118	627	478	141	8
California.....	88,197	66,632	18,148	3,417	58,926	45,780	10,505	2,641	26,193	19,914	5,565	714	3,078	938	2,078	62

Table 13 brings out the fact that in each of the geographic divisions except New England a larger proportion of the foreign-born white farmers than of the native white own their farms, the percentages for the United States as a whole in 1910 being, respectively, 81.4 and 66.3. This difference is largely due to the fact that the foreign-born white farmers are on the average considerably older than the native white. Most of the former have been in this country a good many years, as comparatively few of the more recent immigrants have gone to the farms. A large proportion of the native white tenants consist of young men,

sons of farmers, who have only recently begun the independent operation of farms, and who expect to buy land later. In the country as a whole the proportion of owners is very much lower among colored farmers (26.2 per cent in 1910) than among either the native white or the foreign-born white; but there is a great difference in this respect between the South and the rest of the country.

**Number of farmers, classified by color: 1910 and 1900.**—Table 15 shows by geographic divisions, for 1910 and 1900, the number of farm operators who were whites, negroes, Indians, Chinese, and Japanese, respectively.

DIVISION.	ALL FARM OPERATORS.		WHITE FARM OPERATORS.		COLORED FARM OPERATORS.									
					Total.		Negroes.		Indians.		Chinese.		Japanese.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
United States.....	6,361,502	5,737,372	5,440,619	4,969,608	920,883	767,764	893,384	746,715	24,237	19,910	790	1,100	2,502	39
New England.....	188,802	191,888	188,400	191,594	342	294	310	264	32	29	1	8	.....	.....
Middle Atlantic.....	498,379	485,618	466,418	483,772	1,961	1,846	1,310	1,497	638	337	5	12	.....	.....
East North Central.....	1,123,489	1,135,823	1,117,772	1,129,810	5,717	6,043	4,843	5,179	870	830	2	4	2	.....
West North Central.....	1,109,948	1,060,744	1,100,084	1,049,857	9,864	10,887	6,603	7,076	4,238	3,807	2	4	21	.....
South Atlantic.....	1,114,881	962,225	756,019	675,354	355,862	288,871	354,539	287,433	1,303	865	13	8	16	.....
East South Central.....	1,042,480	966,313	717,262	635,418	325,216	267,895	324,883	267,530	332	365	1	.....	.....	.....
West South Central.....	943,186	754,853	734,125	570,949	209,061	183,904	201,422	176,899	7,584	6,989	10	16	45	.....
Mountain.....	183,446	101,327	175,418	96,521	8,028	4,806	218	133	7,624	4,551	91	122	195	.....
Pacific.....	189,891	141,581	185,061	138,533	4,830	3,248	263	204	1,716	2,067	636	938	2,215	99

In the country as a whole the number of negro farmers increased much more rapidly between 1900 and 1910 than that of white farmers, the respective percentages of increase being 19.6 and 9.5. Only 1.4 per cent of all the negro farmers in 1910 were outside of the three divisions constituting the South, and it is noteworthy that the number in the North was smaller in 1910 than in 1900. The number of Chinese

and Japanese farmers at both censuses was small, but the latter made a remarkable increase during the decade, while the former fell off considerably in number.

**Country of birth of white farmers: 1910.**—Table 16 shows, for 1910, by geographic divisions, the number of white farm operators born in each of the leading countries from which the United States receives immigrants.

DIVISION.	WHITE FARM OPERATORS.											
	Total.	Born in United States.	Born in foreign countries.									
			Total.	Austria.	Hungary.	Great Britain and Ireland.					France.	Germany.
						Total.	England.	Ireland.	Scotland.	Wales.		
United States.....	5,440,619	4,783,256	668,556	33,336	3,827	87,538	39,728	33,480	10,220	4,110	5,832	221,800
New England.....	188,802	160,196	27,411	849	248	7,092	429	1,551	714	198	306	2,481
Middle Atlantic.....	496,418	417,750	47,076	1,868	538	13,470	5,716	7,103	999	652	668	15,061
East North Central.....	1,117,772	927,524	188,153	840	20,800	10,332	7,466	2,080	922	1,833	79,813	7,873
West North Central.....	1,100,084	829,467	269,442	14,761	1,394	21,950	8,805	9,064	2,786	1,265	1,173	87,935
South Atlantic.....	756,019	748,411	7,144	344	165	2,141	1,134	633	313	61	112	2,655
East South Central.....	717,262	712,116	4,819	121	62	1,072	467	467	120	18	108	1,930
West South Central.....	734,125	691,971	41,501	6,173	264	2,853	1,558	781	417	97	650	15,420
Mountain.....	175,418	143,699	31,427	1,021	147	8,340	4,932	1,484	1,362	562	355	5,147
Pacific.....	185,061	132,142	52,546	1,331	169	8,820	4,355	2,701	1,439	355	1,107	10,848

Born in foreign countries—Continued.

DIVISION.	Scandinavian countries.											Other European countries.	Canada.	All other countries. <sup>1</sup>	Country of birth not reported.
	Holland.	Italy.	Russia.	Poland.					Switzerland.						
					Total.	Denmark.	Norway.	Sweden.							
United States.....	13,790	10,614	25,788	7,228	155,570	28,375	59,742	67,453	14,333	17,689	61,878	10,333	7,807	813	
New England.....	75	652	1,169	372	2,278	390	141	1,747	267	10,611	169	813	.....	.....	
Middle Atlantic.....	1,143	2,376	1,919	411	2,908	653	109	2,246	805	379	3,807	99	1,612	.....	
East North Central.....	6,710	654	1,941	3,466	32,560	5,739	13,330	13,491	4,062	4,527	24,262	291	2,095	.....	
West North Central.....	4,827	404	16,245	2,179	95,475	14,846	41,015	39,614	3,863	5,331	13,356	549	1,175	.....	
South Atlantic.....	52	214	143	69	407	124	93	190	247	75	443	34	467	.....	
East South Central.....	26	392	44	27	382	75	64	245	304	84	148	42	327	.....	
West South Central.....	139	2,089	1,686	562	2,276	491	404	1,881	712	847	6,988	653	.....	.....	
Mountain.....	393	1,067	1,058	47	8,407	3,697	1,683	3,627	1,023	593	3,038	791	292	.....	
Pacific.....	425	2,772	1,583	95	10,877	3,062	2,903	4,912	2,033	4,910	5,366	1,510	373	.....	

<sup>1</sup> Includes those born at sea.

The foreign countries which have contributed the largest number of farm operators to the United States are Germany, Sweden, Canada, Norway, England, Ireland, Austria, Denmark, and Russia, in the order named. It should be noted that this order by no means corresponds to the order in which the various foreign countries have contributed to the total population of the United States.

The immigrants from certain countries, notably Ireland, Italy, and Russia, have nearly all gone into pursuits other than agricultural.

**Color and tenure of farmers in the South: 1910 and 1900.**—On account of the large number of colored farmers in the South, more detailed statistics regarding the two principal race groups are presented for that section than for the North and West.

Table 17 shows, for the South as a whole and for each of the geographic divisions composing it, the number, total and improved acreage, and value of land and buildings in 1910 and 1900, for farms of

white and colored farmers, respectively, with a further classification according to tenure. It also shows, by percentages, the distribution of the respective totals between the two color groups and among the six subgroups formed by combination of the tenure classification with that according to color.

In the South as a whole in 1910 white farmers constituted 71.3 per cent of the total number of farmers and colored farmers 28.7 per cent. Of the total farm acreage, however, 88 per cent was in farms operated by white and 12 per cent in farms operated by colored farmers; and of the improved land in farms, 81.6 per cent was in farms operated by white farmers and 18.4 per cent in farms operated by colored farmers.

Whites constituted a smaller proportion of the total number of farmers and the farms operated by them contained a smaller proportion of the total land in farms in 1910 than in 1900, but there was no change in the proportion of improved land in farms operated by the two race groups.

Table 17	PER CENT OF TOTAL.																	
DIVISION AND CLASS OF OPERATOR.	NUMBER OF FARMS.		ALL LAND IN FARMS* (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.		PER CENT OF TOTAL.									
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900		
THE SOUTH.....	3,097,547	2,629,391	354,452,860	362,036,351	150,690,852	128,108,093	\$7,353,431,195	\$3,279,021,509	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
White farmers:																		
Total.....	2,207,406	1,879,721	311,843,743	323,424,305	122,955,109	102,893,486	6,453,298,861	2,898,740,541	71.3	71.7	88.0	89.3	81.6	81.6	87.8	88.4		
Owners.....	1,526,044	1,183,896	214,923,693	229,756,484	79,582,541	69,940,143	4,223,935,087	1,947,821,958	42.8	45.2	60.6	57.9	52.8	55.5	57.4	59.4		
Managers.....	15,084	17,172	24,316,249	50,877,426	3,126,063	3,051,584	367,948,147	220,573,890	6.5	6.7	6.9	14.1	2.1	2.4	5.0	6.7		
Tenants.....	866,278	678,743	72,603,801	67,790,395	40,246,475	29,901,759	1,861,415,627	730,244,723	28.0	25.9	20.5	17.3	26.7	23.7	25.3	22.3		
Colored farmers:																		
Total.....	890,141	740,670	42,609,117	38,612,046	27,735,743	23,214,607	900,132,334	380,286,968	28.7	28.3	12.0	10.7	18.4	18.4	12.2	11.6		
Owners.....	218,467	186,676	15,691,536	13,358,684	7,532,109	6,046,805	272,992,238	106,619,328	7.1	7.1	4.4	3.7	5.0	4.8	3.7	3.3		
Managers.....	1,200	1,563	349,779	428,518	108,249	127,742	10,371,949	5,544,310	(1)	0.1	0.1	0.1	0.1	0.1	0.1	0.2		
Tenants.....	670,474	552,401	26,567,802	24,824,844	20,096,375	17,060,060	616,768,147	268,117,330	21.6	21.1	7.5	6.9	13.3	13.5	8.4	8.2		
South Atlantic.....	1,111,881	862,225	103,782,255	104,297,506	48,479,733	46,100,226	2,436,436,474	1,206,348,618	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
White farmers:																		
Total.....	756,019	673,354	86,106,873	88,660,241	37,489,664	37,204,364	2,118,729,406	1,072,961,890	68.0	70.0	83.0	85.0	77.3	80.7	85.2	88.9		
Owners.....	491,193	442,396	63,483,405	64,498,437	26,148,320	25,700,843	1,487,725,602	741,156,350	42.1	46.0	61.2	61.8	53.9	55.7	59.8	61.4		
Managers.....	7,578	8,145	3,219,019	3,260,530	1,167,797	1,220,793	119,811,609	60,596,740	0.7	0.8	3.1	3.1	2.4	2.6	4.8	5.0		
Tenants.....	257,248	222,813	19,404,449	20,901,274	10,173,547	10,282,648	511,192,135	271,208,770	25.1	23.2	18.7	20.0	21.0	22.3	20.6	22.5		
Colored farmers:																		
Total.....	355,862	288,871	17,675,382	15,367,265	10,990,069	8,895,862	367,707,068	133,387,798	32.0	30.0	17.0	15.0	22.7	19.3	14.8	11.1		
Owners.....	101,961	85,116	5,846,378	4,427,439	2,669,947	2,069,232	106,568,619	36,982,908	9.2	8.8	5.4	4.2	5.6	4.6	4.2	3.1		
Managers.....	720	970	148,371	201,074	61,287	66,764	5,727,681	2,937,580	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.2		
Tenants.....	253,181	202,785	11,883,633	11,008,752	8,252,835	6,729,866	256,410,768	93,467,270	22.8	21.1	11.5	10.6	17.0	14.6	10.3	7.7		
East South Central.....	1,042,480	903,313	81,526,629	81,247,643	34,946,846	40,237,337	1,738,397,839	933,782,823	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
White farmers:																		
Total.....	717,262	635,418	67,924,912	68,626,325	34,390,317	32,045,709	1,458,730,081	802,327,213	68.8	70.3	83.3	84.5	78.3	79.6	83.9	85.9		
Owners.....	451,715	413,775	52,592,020	53,543,623	25,170,277	23,660,079	1,064,815,312	588,047,473	43.3	45.8	64.5	65.9	57.3	58.8	61.3	63.0		
Managers.....	3,041	4,372	1,527,107	1,593,062	532,554	614,397	45,025,931	26,246,880	0.3	0.3	1.9	1.9	1.3	1.3	1.8	2.8		
Tenants.....	262,506	217,271	13,805,785	13,491,681	8,607,486	7,771,233	348,889,378	188,089,660	25.2	24.1	16.9	16.6	19.7	19.3	20.1	20.1		
Colored farmers:																		
Total.....	325,218	267,895	13,595,717	12,621,318	9,556,529	8,191,628	379,667,758	133,452,610	31.2	29.7	16.7	15.5	21.7	20.4	16.1	14.1		
Owners.....	58,727	49,911	4,539,952	3,857,853	2,213,645	1,714,020	76,937,214	28,539,910	5.6	5.5	5.6	4.7	5.6	4.3	4.1	3.1		
Managers.....	249	324	76,300	100,388	26,237	25,866	1,282,910	(1)	(1)	0.1	0.1	0.1	0.1	0.1	0.1	0.1		
Tenants.....	266,232	217,660	8,979,465	8,753,077	7,316,647	6,451,742	206,138,274	103,690,790	25.5	24.1	10.1	10.7	16.6	16.0	11.9	10.9		
West South Central.....	943,186	754,853	169,149,976	176,491,202	58,264,273	38,770,530	3,128,586,882	1,138,891,068	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
White farmers:																		
Total.....	734,125	570,949	157,811,958	161,137,739	51,075,128	33,643,413	2,875,839,374	1,023,451,958	77.8	75.6	93.3	94.1	87.7	84.6	91.9	89.9		
Owners.....	383,136	327,635	98,848,208	91,714,424	28,263,944	20,579,221	1,671,394,113	618,628,135	40.6	43.4	58.4	59.0	48.5	51.7	53.4	54.3		
Managers.....	4,465	4,655	19,570,123	46,063,484	1,405,742	1,216,314	203,111,147	133,730,240	0.5	0.6	11.6	26.1	2.1	3.1	4.5	11.7		
Tenants.....	346,524	238,659	39,393,567	28,359,481	21,405,442	11,847,878	1,001,334,114	271,093,093	36.7	31.6	23.3	16.1	36.7	29.8	32.0	23.8		
Colored farmers:																		
Total.....	209,061	183,904	11,338,018	10,353,463	7,189,145	6,127,117	232,757,508	119,430,600	22.2	24.4	6.7	5.9	12.3	15.4	8.1	10.1		
Owners.....	57,769	51,649	5,905,206	5,083,392	2,621,327	2,213,553	96,486,405	41,056,510	6.1	6.8	3.3	2.9	4.5	5.6	3.1	3.6		
Managers.....	261	299	128,048	167,656	20,725	35,112	2,971,998	1,323,820	(1)	(1)	0.1	0.1	(1)	0.1	0.1	0.1		
Tenants.....	151,061	131,956	5,704,764	5,003,015	4,546,893	3,878,452	154,199,103	73,019,270	16.0	17.5	3.4	2.9	7.8	9.8	4.9	6.4		

<sup>1</sup> Less than one-tenth of 1 per cent.

Table 18, on the following page, shows percentages of increase based on the preceding table.

The number of colored farmers in the South increased 20.2 per cent during the decade 1900 to 1910, as compared with an increase of 17.4 per cent

in the number of white farmers. The acreage of land in farms operated by white farmers decreased somewhat in each geographic division of the South, while the acreage in farms operated by colored farmers increased in each of the three divisions; the percentages

ranging from 7.7 to 13. In the South as a whole the value of land and buildings of farms operated by white farmers increased 122.6 per cent during the decade, as compared with an increase of 136.7 per cent for farms operated by colored farmers; in the West South Central division, however, the percentage of increase was higher for farms of white farmers than for those of colored farmers.

The number of tenants in the South, both white and colored increased more rapidly between 1900 and 1910 than the number of farm owners. In the case of farms operated by white farmers, the total acreage, improved acreage and value of land and buildings also increased more rapidly for tenant farms than for those operated by owners, while the opposite was true of farms operated by colored farmers.

Table 18

PER CENT OF INCREASE: 1900 TO 1910

DIVISION AND CLASS OF OPERATOR.	Number of farms.				All land in farms.				Improved land in farms.				Value of land and buildings.			
	Total.	Own-ers.	Man-agers.	Ten-ants.	Total.	Own-ers.	Man-agers.	Ten-ants.	Total.	Own-ers.	Man-agers.	Ten-ants.	Total.	Own-ers.	Man-agers.	Ten-ants.
<b>The South:</b>																
White farmers.....	17.4	12.0	-12.2	27.6	-3.6	2.5	-52.2	15.6	-1.1	13.8	2.4	34.6	122.6	116.9	66.8	154.9
Colored farmers.....	20.2	17.0	-24.7	21.4	10.4	17.5	-18.4	7.0	19.5	25.0	-15.3	17.8	136.7	156.0	87.1	130.0
<b>SOUTH ATLANTIC:</b>																
White farmers.....	12.3	11.0	-7.0	15.5	-2.9	-1.6	-1.3	-7.2	0.8	1.7	-4.3	-1.1	97.5	100.7	97.7	88.5
Colored farmers.....	23.2	19.8	-25.8	24.9	13.0	27.5	-27.7	7.9	23.5	28.4	-8.2	22.3	175.7	185.5	95.0	174.3
<b>EAST SOUTH CENTRAL:</b>																
White farmers.....	12.9	9.2	-30.4	20.8	-1.0	-1.8	-2.3	2.1	7.3	6.4	-10.1	11.5	81.8	81.1	71.5	85.5
Colored farmers.....	21.4	17.7	-23.1	22.3	7.7	18.3	26.4	2.9	16.7	29.1	1.4	13.4	112.8	148.6	103.5	102.9
<b>WEST SOUTH CENTRAL:</b>																
White farmers.....	28.6	16.9	-4.1	45.2	-5.0	7.8	-37.5	38.9	51.8	37.3	15.6	80.7	181.0	170.2	51.9	269.4
Colored farmers.....	13.7	11.8	-22.7	14.5	9.5	8.1	-23.4	12.0	17.3	18.4	-41.0	17.2	119.0	134.8	56.5	111.2

1 A minus sign (-) denotes decrease.

In Table 19 the number, total and improved acreage, and value of land and buildings of farms operated by white farmers are distributed by percentages among the three tenure classes, and a corresponding distribution is made for the farms operated by colored farmers. The percentages therefore have a different significance from those shown in Table 17, and afford a more convenient means of comparing conditions among the white and the colored farmers.

In 1910, 60.1 per cent of the white farmers in the South as a whole were owners, as against 24.5 per cent of the colored farmers. The proportion of the total farm acreage which was in farms operated by owners was 68.9 per cent for farms operated by white farmers and 36.8 per cent for those operated by colored farmers.

The changes between 1900 and 1910 with regard to the number, acreage, and value of farms operated by the two race groups, respectively, in the South Atlantic and East South Central divisions were quite different from those in the West South Central division.

In the South as a whole, among both white and colored farm operators, owners reported a larger proportion of the total farm acreage in 1910 than in 1900. In the case of white farmers the proportion of land in tenant farms also increased, while there was a marked decrease in the proportion of land in farms operated by white managers (mainly due to a large decrease in the West South Central division). In the case of colored farmers however the proportion of land which was in tenant farms was lower in 1910 than in 1900.

Table 19

PER CENT OF TOTAL.

DIVISION AND CLASS OF OPERATOR.	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900
<b>THE SOUTH</b>								
<b>White farmers:</b>								
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	60.1	53.0	68.9	64.9	68.0	65.0	67.2	67.2
Managers.....	0.7	0.9	7.8	15.7	2.5	3.0	5.7	7.6
Tenants.....	39.2	46.1	23.3	19.4	32.7	29.1	28.8	25.2
<b>Colored farmers:</b>								
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	24.5	25.2	36.8	34.6	27.2	26.0	30.3	28.0
Managers.....	0.1	0.2	0.8	1.1	0.4	0.6	1.2	1.5
Tenants.....	75.3	74.6	62.4	64.3	72.5	73.5	68.5	70.5
<b>SOUTH ATLANTIC.</b>								
<b>White farmers:</b>								
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	65.0	65.7	73.7	72.7	69.7	69.1	70.2	69.1
Managers.....	1.0	1.2	3.7	3.7	3.1	3.3	5.7	5.6
Tenants.....	34.0	33.1	22.5	23.6	27.1	27.6	24.1	25.3
<b>Colored farmers:</b>								
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	28.7	29.5	31.9	28.5	24.5	23.6	28.7	27.7
Managers.....	0.2	0.3	0.8	1.3	0.6	0.8	1.6	2.2
Tenants.....	71.1	70.2	67.2	70.4	74.9	75.7	69.7	70.1
<b>EAST SOUTH CENTRAL.</b>								
<b>White farmers:</b>								
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	63.0	65.1	77.4	78.0	73.2	73.8	73.0	73.3
Managers.....	0.6	0.8	12.4	27.7	2.8	3.6	7.1	13.1
Tenants.....	36.6	34.2	20.3	19.7	25.2	24.3	23.9	23.4
<b>Colored farmers:</b>								
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	18.1	18.6	33.4	30.4	23.2	20.9	25.4	21.7
Managers.....	0.1	0.1	0.6	0.5	0.3	0.3	0.9	1.0
Tenants.....	81.9	81.2	66.0	69.1	76.6	78.8	73.7	77.3
<b>WEST SOUTH CENTRAL.</b>								
<b>White farmers:</b>								
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	52.2	57.4	62.6	55.2	55.3	61.2	58.1	60.4
Managers.....	7.7	7.7	12.4	27.7	2.8	3.6	7.1	13.1
Tenants.....	47.2	41.8	25.0	17.1	41.9	35.2	34.8	26.5
<b>Colored farmers:</b>								
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Owners.....	28.1	48.9	49.2	49.2	36.5	36.1	38.2	35.0
Managers.....	0.1	0.2	1.1	1.6	0.3	0.6	0.8	1.1
Tenants.....	72.3	71.8	50.3	49.2	63.2	63.3	61.0	63.3



Table 20 shows the average total and improved acreage per farm, the average value of land and buildings per farm and per acre, and the percentage of farm land improved, for farms classified according to the color and tenure of the farmer.

In the South as a whole the average size of the farms operated by white farmers in 1910 (141.3 acres) was nearly three times as great as that of the farms operated by colored farmers (47.9 acres). The difference was less marked in the South Atlantic and East South Central divisions than in the West South Central. The farms operated by white owners comprised on an average 162.1 acres, and those operated by colored owners 71.8 acres, while the farms of white tenants averaged 83.8 acres in size and those of colored tenants 39.6 acres. Between 1900 and 1910 the average size of farms operated by white owners decreased, while that of farms operated by colored owners increased. On the other hand, colored tenants as well as white tenants had smaller farms in 1910 than in 1900.

While the farms of colored farmers are smaller than those of the whites, they consist more largely of improved land. In the South as a whole in 1910 the proportion of improved land for the farms of white farmers was 39.4 per cent, as compared with 65.1 per cent for the farms of colored farmers. The differences in this respect, however, are less conspicuous when farms of similar tenure are compared.

In the South as a whole the average value of land and buildings per acre was in 1910 higher for farms of colored farmers than for those of white farmers—\$21.13 as compared with \$20.69. This is the effect of conditions in the West South Central division, the average value being higher for farms of white farmers in the other two divisions of the South. Between 1900 and 1910 there was a great increase in the average value per acre in the case of farms of all three classes of tenure operated by farmers of both color groups. In the South Atlantic and East South Central divisions the relative increases were in most cases somewhat more marked for farms operated by colored farmers than for those operated by whites, while in the West South Central division the opposite was the case.

In the South as a whole the average value of land and buildings per farm in 1910 for farms operated by white farmers was \$2,923, or nearly three times the average value for farms operated by colored farmers, which was \$1,011. The percentage of increase between 1900 and 1910, however, was somewhat greater in the average value for farms of colored farmers than in that for farms of white farmers.

Table 21, on the next page, shows, for each of the Southern states, the number, total and improved acreage, and value of land and buildings of farms operated by white and by colored farmers, with a further distinction according to tenure.

Table 20	DIVISION AND CLASS OF OPERATOR.	AVERAGE ACRES PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
		All land in farms.		Improved land in farms.		1910	1900	Per farm.		Per acre.	
		1910	1900	1910	1900			1910	1900	1910	1900
THE SOUTH											
White farmers:											
Total.....	141.3	172.1	55.7	54.7	39.4	31.8	\$2,823	\$1,542	\$20.69	\$8.98	
Owners.....	182.1	177.2	60.0	59.1	37.0	33.3	3,185	1,645	19.65	9.29	
Managers.....	1,612.1	2,862.8	207.2	177.7	12.9	6.0	24,392	12,845	15.13	4.34	
Tenants.....	83.8	92.5	46.5	44.1	55.4	47.6	2,149	1,076	25.64	11.63	
Colored farmers:											
Total.....	47.9	52.1	31.2	31.3	65.1	60.1	1,011	513	21.13	9.85	
Owners.....	71.8	71.6	32.5	31.0	48.0	45.1	1,250	571	17.40	7.98	
Managers.....	281.5	269.0	90.2	80.2	30.9	28.8	6,642	3,480	29.65	12.84	
Tenants.....	39.6	44.8	30.0	30.9	75.6	68.7	920	485	23.21	10.80	
SOUTH ATLANTIC.											
White farmers:											
Total.....	113.9	131.7	49.6	55.3	43.5	42.0	2,802	1,593	24.61	12.10	
Owners.....	129.2	145.8	53.2	58.1	41.2	39.8	3,029	1,675	23.43	11.49	
Managers.....	424.8	400.3	154.1	149.9	36.3	37.4	15,810	7,440	37.22	18.58	
Tenants.....	75.4	93.8	39.5	46.1	52.4	49.2	1,987	1,217	26.34	12.98	
Colored farmers:											
Total.....	49.7	54.1	30.9	30.8	62.2	56.9	1,033	462	20.80	8.53	
Owners.....	55.4	52.0	26.4	24.7	47.7	47.4	1,035	435	18.70	8.35	
Managers.....	201.9	207.3	85.1	68.8	42.2	33.2	7,855	3,028	39.40	14.61	
Tenants.....	46.9	54.3	32.5	33.2	69.3	61.1	1,013	461	21.58	8.49	
EAST SOUTH CENTRAL.											
White farmers:											
Total.....	94.7	108.0	47.9	50.4	50.6	46.7	2,034	1,263	21.48	11.69	
Owners.....	116.4	129.4	55.7	57.2	47.9	44.2	2,357	1,421	20.25	10.98	
Managers.....	502.2	357.5	181.7	140.5	36.2	39.3	14,806	6,003	29.48	16.79	
Tenants.....	52.6	62.2	33.0	35.8	62.8	57.5	1,329	865	25.27	13.91	
Colored farmers:											
Total.....	41.8	47.1	29.4	30.6	70.3	64.9	860	491	20.57	10.42	
Owners.....	77.3	76.9	37.7	34.3	48.8	44.7	1,208	572	15.63	7.44	
Managers.....	306.7	186.4	105.4	79.8	34.4	42.8	10,330	3,960	33.69	21.24	
Tenants.....	33.7	46.1	27.5	29.6	81.5	74.0	774	467	22.96	11.65	
WEST SOUTH CENTRAL.											
White farmers:											
Total.....	215.0	291.0	69.6	58.9	32.4	20.3	3,917	1,793	18.22	6.16	
Owners.....	258.0	279.9	73.8	62.8	28.6	22.4	4,362	1,888	16.91	6.75	
Managers.....	4,383.0	9,803.4	314.8	261.3	7.2	2.6	45,490	28,728	10.38	2.90	
Tenants.....	113.7	118.9	61.8	49.6	54.3	41.8	2,890	1,136	25.42	9.56	
Colored farmers:											
Total.....	54.2	56.3	34.4	33.3	63.4	59.2	1,209	628	22.29	11.15	
Owners.....	95.3	96.6	45.4	42.9	47.6	43.5	1,670	796	17.53	8.07	
Managers.....	554.3	558.7	89.7	117.4	16.2	21.0	8,970	4,427	16.18	7.92	
Tenants.....	37.8	38.6	30.1	29.4	79.7	76.2	1,021	553	27.03	14.34	

## NUMBER, TOTAL AND IMPROVED ACRES, AND VALUE OF LAND AND BUILDINGS OF FARMS, CLASSIFIED BY COLOR AND TENURE OF OPERATOR, FOR THE SOUTH, BY STATES: 1910 AND 1900.

Table 21

STATE AND CLASS OF OPERATOR.	NUMBER OF FARMS.		ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900	1910	1900
<b>South Atlantic—DELAWARE.</b>								
White farmers:								
Total.....	9,914	8,869	981,893	1,013,662	676,462	551,174	297	
Owners.....	5,772	4,348	463,212	411,390	312,803	266,627	516	
Managers.....	107	116	18,769	14,621	15,553	16,630	480	
Tenants.....	4,035	4,405	499,912	587,651	348,106	274,917	271	
Colored farmers:								
Total.....	922	818	56,973	52,566	37,076	1,981	716	
Owners.....	406	332	13,615	12,373	9,274	547	551	
Managers.....	16	15	2,395	1,325	2,034	145	800	
Tenants.....	500	471	40,963	38,868	25,768	1,288	365	
<b>MARYLAND.</b>								
White farmers:								
Total.....	42,551	40,169	4,698,623	4,795,774	3,136,185	231,467	339	
Owners.....	29,569	28,261	2,783,279	2,698,151	1,806,918	128,885	932	
Managers.....	901	947	193,390	193,449	120,254	23,296	193	
Tenants.....	12,681	12,971	1,721,414	1,904,174	1,209,013	78,286	216	
Colored farmers:								
Total.....	6,372	5,843	358,517	374,301	218,582	10,269	784	
Owners.....	3,690	3,262	122,639	101,491	76,594	3,524	773	
Managers.....	87	105	13,061	12,305	9,015	1,172	550	
Tenants.....	2,335	2,476	223,117	260,505	133,003	5,172	461	
<b>DISTRICT OF COLUMBIA.</b>								
White farmers:								
Total.....	205	252	5,968	8,181	5,038	8,141	943	
Owners.....	110	128	2,779	2,779	2,069	2,231	400	
Managers.....	14	18	1,452	1,964	1,239	3,232	843	
Tenants.....	81	106	2,145	3,418	1,759	2,677	700	
Colored farmers:								
Total.....	12	17	95	308	95	89	400	
Owners.....	8	5	58	29	58	48	400	
Managers.....	1	2	4	21	4	8	000	
Tenants.....	3	10	33	258	33	33	000	
<b>VIRGINIA.</b>								
White farmers:								
Total.....	135,904	123,052	17,237,416	17,678,765	8,758,850	456,833	558	
Owners.....	101,436	87,589	13,344,122	12,786,864	6,802,428	374,781	761	
Managers.....	1,445	1,897	630,340	753,678	306,482	26,023	611	
Tenants.....	33,023	33,566	3,292,954	4,138,223	1,649,949	56,028	156	
Colored farmers:								
Total.....	48,114	44,834	2,283,220	2,229,118	1,111,208	45,224	504	
Owners.....	32,228	26,566	1,381,221	1,031,331	669,358	28,059	534	
Managers.....	180	238	29,985	34,960	14,046	1,230	815	
Tenants.....	15,706	18,030	872,012	1,162,827	427,804	15,834	155	
<b>WEST VIRGINIA.</b>								
White farmers:								
Total.....	95,977	92,132	9,991,901	10,612,920	5,501,560	263,314	560	
Owners.....	75,420	70,995	8,158,238	8,863,605	4,591,511	207,256	267	
Managers.....	965	1,046	283,847	357,463	153,232	9,669	970	
Tenants.....	19,692	20,091	1,549,916	1,751,859	776,817	46,988	383	
Colored farmers:								
Total.....	708	742	34,541	41,584	20,257	1,076	984	
Owners.....	558	534	25,957	25,737	14,522	738	261	
Managers.....	7	65	655	1,129	602	35	695	
Tenants.....	143	200	7,929	14,728	5,133	302	438	
<b>NORTH CAROLINA.</b>								
White farmers:								
Total.....	188,069	169,773	19,253,325	19,794,218	7,082,344	387,338	391	
Owners.....	133,577	115,052	14,438,827	15,096,578	5,027,216	262,524	092	
Managers.....	1,044	936	563,383	580,947	154,738	13,652	244	
Tenants.....	53,448	53,785	4,251,113	4,316,693	1,900,390	91,182	145	
Colored farmers:								
Total.....	65,656	54,864	3,185,804	2,955,138	1,730,712	69,296	216	
Owners.....	21,443	17,529	1,197,496	1,065,452	512,567	22,810	089	
Managers.....	74	121	18,992	39,503	5,244	557	000	
Tenants.....	44,139	37,223	1,969,316	1,950,181	1,212,901	45,899	127	
<b>SOUTH CAROLINA.</b>								
White farmers:								
Total.....	79,636	69,954	9,571,532	10,192,938	3,499,775	233,888	327	
Owners.....	43,978	40,447	6,953,459	7,265,012	2,261,431	163,791	021	
Managers.....	732	874	504,958	619,590	126,032	10,365	245	
Tenants.....	34,926	28,633	2,113,135	2,308,336	1,111,412	59,992	061	
Colored farmers:								
Total.....	96,798	85,401	6,390,476	7,392,076	2,598,224	98,999	754	
Owners.....	20,372	18,970	1,098,044	962,667	539,347	22,112	291	
Managers.....	131	180	42,454	46,170	14,574	880	894	
Tenants.....	76,295	66,251	2,796,978	2,783,239	2,044,003	75,806	569	
<b>GEORGIA.</b>								
White farmers:								
Total.....	168,468	141,865	19,861,362	20,917,083	7,506,595	350,320	660	
Owners.....	128,930	117,154	16,021,789	16,625,143	5,266,899	219,080	866	
Managers.....	1,396	1,394	731,571	742,501	277,114	16,805	884	
Tenants.....	84,242	63,317	5,608,062	5,551,437	2,962,422	114,833	850	
Colored farmers:								
Total.....	122,536	82,826	7,092,051	5,474,974	4,791,562	128,885	732	
Owners.....	115,698	11,375	1,349,393	924,262	644,390	20,540	910	
Managers.....	123	208	27,551	52,676	11,216	738	073	
Tenants.....	106,738	71,243	5,714,997	4,498,036	4,135,950	107,584	785	
<b>FLORIDA.</b>								
White farmers:								
Total.....	35,295	27,288	4,484,833	3,646,691	1,232,055	10,230	421	
Owners.....	28,101	22,432	3,828,108	3,110,913	1,056,973	82,746	457	
Managers.....	1,174	917	270,767	190,295	72,213	15,675	141	
Tenants.....	6,020	3,939	385,958	339,483	193,867	7,808	323	

Figures for 1900 include Indian Territory.

## FARMS, CLASSIFIED BY SIZE.

In adopting the size groups into which farms are classified, the Census Bureau has taken account of the fact that in large sections of the country the boundaries of very many of the farms correspond more or less closely to the Government surveys of public land. The Government land has for the most part been sold or otherwise disposed of in quarter sections, containing 160 acres or approximately that amount; and where these have been broken up they have commonly been

subdivided into "quarter-quarters," or 40-acre tracts. The greater number of farms, therefore, in a large part of the country, contain either 160 acres or some other multiple of 40 acres.

United States as a whole: 1910 and 1900.—Table 22 shows, for 1910 and 1900, the number of farms in each of the various size groups, and also the acreage for a smaller number of groups, for the United States as a whole.

Table 22	SIZE GROUP.	NUMBER OF FARMS.				ALL LAND IN FARMS (ACRES).				PER CENT OF TOTAL.			
		Increase.				Increase. <sup>1</sup>				Number of farms.		All land in farms.	
		1910	1900	Number.	Per cent.	1910	1900	Amount.	Per cent.	1910	1900	1910	1900
All farms.....	6,361,502	5,737,372	624,130	10.9	878,798,325	838,591,774	40,206,551	4.8	100.0	100.0	100.0	100.0	
Under 20 acres.....	839,166	673,870	165,296	24.5	8,793,820	7,180,839	1,612,981	22.5	13.2	11.7	1.0	0.9	
Under 3 acres.....	18,033	41,385	( <sup>2</sup> )	( <sup>2</sup> )					0.3	0.7			
3 to 9 acres.....	317,010	225,844	91,166	30.4					5.0	3.9			
10 to 19 acres.....	504,123	406,641	97,482	24.0					7.9	7.1			
20 to 49 acres.....	1,414,376	1,257,496	156,880	12.5	45,378,449	41,536,128	3,842,321	9.3	22.2	21.9	5.2	5.0	
50 to 99 acres.....	1,438,068	1,366,038	72,031	5.3	103,120,868	98,591,669	4,529,199	4.6	22.6	23.8	11.7	11.8	
100 to 174 acres.....	1,516,286	1,422,262	94,024	6.6	205,480,385	192,650,321	12,830,064	6.6	23.8	24.8	23.4	23.0	
175 to 499 acres.....	978,175	868,020	110,155	12.7	265,289,069	232,954,515	32,334,554	13.9	15.4	15.1	30.2	27.8	
500 to 999 acres.....	534,191	490,069	44,122	9.0					8.4	8.5			
1,000 to 4,999 acres.....	443,984	377,951	66,033	17.5					7.0	6.6			
5,000 to 999 acres.....	125,295	102,536	22,769	22.2	83,653,487	67,864,116	15,789,371	23.3	2.0	1.8	9.5	8.1	
1,000 acres and over.....	50,135	47,160	2,975	6.3	167,082,047	197,784,156	-30,702,109	-15.5	0.8	0.8	19.0	23.6	

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Data for 1910 and 1900 not comparable. (See text.)

This table shows that in 1910 more than two-thirds of the farms of the country (68.6 per cent) were between 20 and 175 acres in size. The most numerous single group was that comprising farms of 100 to 174 acres, which constituted 23.8 per cent of the total number. Farms of 50 to 99 acres, and those of 20 to 49 acres, which comprised 22.6 per cent and 22.2 per cent, respectively, of the total number, were nearly as numerous.

The distribution of the total acreage of farms among the several size groups is of course radically different from the distribution of the number of farms. Farms of 175 to 499 acres, which in 1910 formed only 15.4 per cent of the whole number of farms, contained 30.2 per cent of the total farm acreage of the country, and constituted the most important group with respect to acreage. Farms of 100 to 174 acres ranked next in importance in this respect. These two groups together comprised somewhat over one-half (53.6 per cent) of the total acreage. Next to these groups in acreage were the farms of 1,000 acres and over, which are chiefly found in the West, and which comprised 19 per cent of the total acreage, but only 0.8 per cent of the total number. On the other hand, farms under 20 acres in size, although relatively numerous (representing 13.2 per cent of the total number), comprised only 1 per cent of the farm acreage of the country.

The only group in which the number of farms decreased absolutely between 1900 and 1910 is that consisting of places under 3 acres in size, which at both

censuses were few in number. The number of such places shown for 1910 is 56.4 per cent smaller than that shown for 1900, and there was a decrease in this group in every geographic division except the Mountain division. This decrease, however, is without question due chiefly, if not wholly, to changes in the census definition of what constitutes a farm, and no conclusion of value can be drawn from the data.

In both number and acreage, farms of the groups from 50 to 174 acres increased less rapidly between 1900 and 1910 than those of the groups from 3 to 49 acres or from 175 to 999 acres. Farms of 1,000 acres and over increased somewhat in number, but comprised a smaller acreage in 1910 than in 1900. Consequently the percentages showing the distribution of the number and acreage of farms among size groups for 1910 differ somewhat from those for 1900. It may be noted that in a general way the changes during the past decade with reference to the relative importance of farms of the different size groups are continuations of changes which have been going on at least since 1880 and possibly for a longer time.

Number, acreage, and value of farms of the principal size groups, by divisions: 1910 and 1900.—Table 23, on the following page, presents statistics for each geographic division, showing the number of farms, total and improved acreage, and value of land and buildings for 1910 and 1900, respectively, by size groups, together with the percentage of the several totals represented in each size group.

NUMBER, TOTAL AND IMPROVED ACREAGE, AND VALUE OF LAND AND BUILDINGS OF FARMS CLASSIFIED BY SIZE, WITH PERCENTAGES, BY DIVISIONS: 1910 AND 1900.

Table 23 DIVISION AND SIZE GROUP.	NUMBER OF FARMS.		ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.		PER CENT OF TOTAL.			
	1910	1900	1910	1900	1910	1900	1910	1900	Number of farms.	All land in farms.	Improved land in farms.	Value of land and buildings.
UNITED STATES												
Total.....	6,361,502	5,737,372	878,798,325	838,591,774	475,451,750	414,498,457	\$34,801,125,697	\$16,614,847,491	100.0	100.0	100.0	100.0
Under 20 acres.....	839,166	673,870	8,793,820	7,160,839	7,991,543	6,440,447	1,309,907,611	632,723,627	13.2	11.7	1.0	3.8
20 to 49 acres.....	1,414,376	1,257,496	45,378,449	41,538,128	36,596,032	33,000,734	2,485,471,119	1,321,062,997	22.2	21.9	5.2	5.0
50 to 99 acres.....	1,438,069	1,366,038	103,120,688	98,591,689	71,155,245	67,344,759	5,029,510,723	2,824,081,013	22.2	23.8	11.7	11.8
100 to 174 acres.....	1,516,288	1,422,252	205,481,682	192,680,321	128,534,538	118,390,738	9,405,319,855	4,712,920,906	34.8	24.8	23.4	23.9
175 to 499 acres.....	876,175	868,020	285,289,699	232,954,515	161,775,602	135,030,043	11,762,614,964	5,148,077,147	15.4	15.1	30.2	27.8
500 to 999 acres.....	125,295	102,526	63,855,487	67,804,116	40,817,118	29,474,842	2,483,160,122	947,737,740	2.0	1.8	8.5	7.1
1,000 acres and over.....	50,135	47,160	167,082,487	197,784,156	31,282,771	24,317,154	2,325,969,330	1,025,044,327	0.8	0.8	19.0	23.6
NEW ENGLAND.												
Total.....	188,802	191,888	19,714,931	20,548,999	7,254,904	8,134,403	718,544,808	528,267,748	100.0	100.0	100.0	100.0
Under 20 acres.....	34,304	28,018	371,557	276,284	231,403	200,479	93,749,802	57,980,200	18.2	14.6	1.3	3.2
20 to 49 acres.....	38,822	35,805	1,701,352	1,134,955	575,903	604,403	99,415,227	75,887,880	17.9	17.6	5.5	7.9
50 to 99 acres.....	45,932	49,389	3,210,561	3,400,774	1,427,597	1,569,867	143,027,415	112,410,638	24.5	25.7	16.3	16.8
100 to 174 acres.....	44,019	48,039	5,575,475	6,042,138	2,198,055	2,507,554	167,577,293	128,858,450	23.8	25.0	28.3	29.0
175 to 499 acres.....	28,008	30,007	7,062,543	7,522,491	2,334,708	2,755,789	168,134,552	126,367,890	14.8	15.6	35.8	32.2
500 to 999 acres.....	2,139	2,133	1,234,559	1,288,248	312,640	338,062	27,922,625	17,957,540	1.1	1.1	6.7	6.3
1,000 acres and over.....	578	497	1,122,884	824,369	174,538	137,649	16,647,894	8,805,150	0.3	0.3	5.7	4.0
MIDDLE ATLANTIC.												
Total.....	468,379	485,618	43,191,056	44,860,000	29,320,894	30,786,211	2,442,949,103	1,948,997,940	100.0	100.0	100.0	100.0
Under 20 acres.....	80,919	75,165	43,191,056	44,860,000	29,320,894	30,786,211	2,442,949,103	1,948,997,940	17.3	15.5	1.7	1.6
20 to 49 acres.....	78,375	84,340	2,596,184	2,821,455	2,014,730	2,226,595	287,713,829	226,543,290	16.7	17.4	6.0	5.9
50 to 99 acres.....	130,702	142,941	9,335,076	10,167,370	7,028,777	7,651,789	597,452,188	494,343,249	27.9	29.3	21.0	22.5
100 to 174 acres.....	129,501	139,501	15,710,409	16,457,261	11,230,257	11,835,314	757,538,229	624,647,040	26.4	26.7	36.4	36.7
175 to 499 acres.....	52,310	51,815	3,311,376	3,362,281	7,720,162	7,779,729	487,133,975	388,660,190	11.2	10.7	29.0	27.6
500 to 999 acres.....	1,848	1,907	1,154,723	1,181,884	494,032	476,042	46,416,557	35,403,970	0.4	0.4	2.7	1.5
1,000 acres and over.....	409	559	1,111,945	1,207,994	187,920	188,292	30,988,780	17,570,200	0.1	0.1	2.6	0.6
EAST NORTH CENTRAL.												
Total.....	1,123,489	1,135,825	117,929,148	116,340,761	88,947,228	86,670,271	8,873,991,594	4,912,597,440	100.0	100.0	100.0	100.0
Under 20 acres.....	108,263	100,071	1,092,307	988,368	893,205	864,666	240,935,704	135,930,189	9.6	8.8	0.8	0.8
20 to 49 acres.....	197,104	209,411	6,907,601	8,185,211	5,437,794	6,394,890	547,475,778	373,935,470	17.6	20.3	5.9	7.0
50 to 99 acres.....	340,940	350,291	25,448,406	26,211,781	19,692,117	19,964,780	1,776,191,397	1,076,060,430	30.3	30.8	21.6	22.5
100 to 174 acres.....	315,007	301,629	41,708,399	39,905,390	31,821,219	30,029,865	3,040,388,838	1,654,447,810	34.1	28.6	35.4	34.3
175 to 499 acres.....	155,585	146,901	9,305,562	9,115,424	28,505,559	26,554,255	2,985,416,467	1,590,324,270	13.8	12.9	32.4	31.0
500 to 999 acres.....	5,147	5,569	3,205,712	3,451,951	2,027,345	2,195,330	221,406,654	126,381,220	0.5	0.5	2.7	2.3
1,000 acres and over.....	703	951	1,406,045	1,502,680	570,189	665,995	62,176,558	36,518,060	0.1	0.1	1.2	0.6
WEST NORTH CENTRAL.												
Total.....	1,109,948	1,060,744	232,648,121	201,008,713	104,284,802	135,643,828	11,614,665,870	4,651,282,998	100.0	100.0	100.0	100.0
Under 20 acres.....	52,536	47,650	475,532	404,511	423,462	407,748	132,465,516	57,661,954	4.7	4.5	0.2	0.3
20 to 49 acres.....	91,971	110,718	3,206,053	3,904,477	2,500,290	3,047,189	250,463,450	146,534,830	8.3	10.4	1.4	2.0
50 to 99 acres.....	181,843	212,609	15,808,123	16,094,073	10,848,559	12,518,357	897,499,966	506,081,486	14.4	20.0	5.9	6.9
100 to 174 acres.....	308,669	334,794	53,137,842	51,225,754	39,734,322	38,156,400	3,121,921,068	1,870,979,308	35.3	33.4	22.8	25.3
175 to 499 acres.....	364,875	288,187	9,858,040	8,982,257	70,716,957	60,221,953	5,437,429,168	2,607,589,126	31.3	27.2	42.9	40.4
500 to 999 acres.....	55,179	30,166	37,138,135	24,471,401	25,210,827	14,258,439	2,337,317,448	372,885,530	5.0	3.4	16.0	12.2
1,000 acres and over.....	12,675	10,609	25,024,399	22,908,240	10,860,455	7,028,127	1,544,599,254	185,590,940	1.2	1.0	18.6	11.3
SOUTH ATLANTIC.												
Total.....	1,111,881	962,225	103,782,255	107,997,506	48,479,733	46,100,226	2,486,436,474	1,206,349,618	100.0	100.0	100.0	100.0
Under 20 acres.....	186,965	170,143	1,760,125	1,523,899	1,760,125	1,523,899	1,760,125	1,523,899	16.8	15.3	1.9	1.5
20 to 49 acres.....	354,207	365,623	11,035,210	8,509,856	8,821,385	6,686,078	365,777,254	136,900,190	31.9	27.6	10.6	8.2
50 to 99 acres.....	251,901	216,522	17,173,796	14,791,972	10,013,755	8,482,251	467,510,682	201,260,000	22.2	22.5	16.4	14.2
100 to 174 acres.....	181,386	181,290	22,907,296	22,874,837	10,855,265	10,744,477	534,032,343	279,877,870	16.6	18.8	22.1	21.9
175 to 499 acres.....	119,564	128,541	31,009,073	34,062,053	12,204,756	13,286,834	657,034,343	364,705,180	10.6	13.4	29.9	32.7
500 to 999 acres.....	14,555	17,191	9,454,383	11,082,044	2,879,471	3,382,119	172,377,094	92,727,594	1.3	1.8	9.1	10.6
1,000 acres and over.....	5,027	5,893	10,220,106	11,452,391	1,885,038	2,178,094	140,445,216	70,567,008	0.5	0.6	9.8	11.0
EAST SOUTH CENTRAL.												
Total.....	1,042,450	903,813	81,529,629	81,247,643	43,946,846	40,237,337	1,738,397,839	933,780,823	100.0	100.0	100.0	100.0
Under 20 acres.....	211,614	133,359	2,485,330	1,834,590	2,380,281	1,715,807	1,227,696,667	512,242,040	20.3	17.0	3.0	2.3
20 to 49 acres.....	356,256	280,010	10,670,111	8,842,608	8,931,163	7,199,044	300,677,928	140,013,630	33.6	31.0	13.1	10.9
50 to 99 acres.....	225,976	204,914	15,708,126	14,273,248	9,740,827	8,638,098	241,385,076	171,108,660	21.7	22.7	19.3	17.7
100 to 174 acres.....	157,414	159,531	20,261,553	20,700,779	10,281,319	9,837,663	377,318,696	210,285,903	15.1	17.7	24.5	23.4
175 to 499 acres.....	86,297	92,783	22,187,511	24,100,920	9,710,552	9,846,637	424,085,873	259,612,140	8.3	10.3	27.2	29.1
500 to 999 acres.....	8,396	9,777	5,421,938	6,173,881	1,800,628	1,941,233	100,346,667	61,645,550	0.8	1.1	6.7	6.2
1,000 acres and over.....	2,527	2,939	4,831,055	5,291,617	1,042,066	1,070,215	71,586,903	39,886,000	0.2	0.3	5.9	6.5
WEST SOUTH CENTRAL.												
Total.....	948,186	734,853	169,149,976	176,491,302	58,264,273	59,770,530	3,128,596,882	1,138,891,068	100.0	100.0	100.0	100.0
Under 20 acres.....	102,044	84,898	1,242,449	1,059,232	1,197,062	1,014,776	72,535,495	31,983,740	10.8	11.2	0.7	0.6
20 to 49 acres.....	251,444	218,481	7,507,214	6,953,734	6,966,847	6,003,500	254,640,834	118,319,540	26.7	28.9	4.8	4.0
50 to 99 acres.....	216,860	161,611	10,320,102	11,549,787	10,409,653	7,323,424	138,489,030	23,010,419	23.0	21.0	9.0	6.5
100 to 174 acres.....	222,794	178,015	30,702,647	24,869,710	16,991,457	11,900,820	786,638,672	250,220,768	24.3	23.6	18.2	14.1
175 to 499 acres.....	118,436	122,443	31,658,962	28,341,277	14,780,490	8,245,554	735,359,191	210,335,950	12.6	11.0	18.9	12.6
500 to 999 acres.....	18,232	15,047	12,188,175	9,927,387	3,630,037	2,324,192	229,842,248	75,937,760	1.9	2.0	7.2	5.6
1,000 acres and over.....	13,396	14,139	69,790,740	99,915,105	4,299,326	3,602,464	1,01,037,293	295,605,946	1.4	1.9	4.3	5.6
MOUNTAIN.												
Total.....	185,446	101,327	58,533,420	46,397,284	15,915,092	8,402,572	1,319,396,873	338,619,672	100.0	100.0	100.0	100.0
Under 20 acres.....	33,426	16,392	190,489	129,663	102,718	109,190	54,910,190	15,071,073	12.8	16.2	0.3	0.3
20 to 49 acres.....	19,383	12,685	642,802	422,912	497,568	306,586	87,355,953	21,245,087	10.6	12.5	1.1	0.9
50 to 99 acres.....	19,330	11,243	1,434,802	841,675	937,086	511,707	115,934,389	25,322,343	10.5	11.1	2.4	1.8
100 to 174 acres.....	64,783	33,963	3,976,088	5,217,740	3,495,891	2,014,774	282,364,704	70,214,205	35.3	33.5	16.8	11.2
175 to 499 acres.....	11,901	12,569	1,682,435	1,849,787	1,049,653	1,215,821	198,513,149	48,489,630	3.0	2.1	9.9	7.9
500 to 999 acres.....	4,843	4,932	5,910,658	5,339,684	2,036,857	1,072,124	140,170,868	38				

The three northeastern divisions of the country—the New England, Middle Atlantic, and East North Central—show in general somewhat similar conditions with respect to the size of farms. In each the farms of 50 to 99 acres constituted in 1910 the most numerous group and those of 100 to 174 acres the next most numerous. The group comprising farms of 100 to 174 acres is first in importance as respects acreage in two of these divisions and second in the other. The West North Central division, which has been more recently settled, differs considerably from the other three northern divisions. In this division the most numerous group is that comprising farms of 100 to 174 acres and the most important group from the standpoint of acreage is that comprising farms of 175 to 499 acres. In the South Atlantic and East South Central divisions conditions in regard to size of farms are approximately alike. In each the small farms of 20 to 49 acres are the most numerous, but the farms of 175 to 499 acres contain a larger proportion of the total acreage than any other group. In the West South Central, Mountain, and Pacific divisions, in which there are still many great stock ranches the farms of 1 000 acres and over are the most important in acreage. In the West South Central division, however, because of the presence of many small tenant farms in the cotton belt, the group comprising farms of 20 to 49 acres is more numerous than any other; in the Pacific division because of the many small fruit farms, the farms of less than 20 acres form the most numerous group; and in the Mountain division farms of 100 to 174 acres lead in number.

Comparing the percentages for 1910 in this table with those for 1900, it may be seen that the groups which stood first and second, respectively, in number and those which stood first and second in acreage were in almost every division the same at both censuses. Nevertheless there have been considerable changes in the relative importance of some of the groups. In all of the divisions except the West North Central the number of farms of 1 000 acres and over was either relatively less in 1910 than in 1900 or maintained the same proportion; and in all of the divisions except New England these large farms contained a smaller proportion of the total acreage of farm land at the later census than at the earlier. On the other hand in all except the West South Central and Mountain divisions, farms of less than 20 acres constituted a larger proportion of the total number in 1910 than in 1900 and in all except the East and West North Central and Mountain divisions—in which the proportion was the same at both censuses—such farms contained a larger proportion of the acreage in the later year than in the earlier. Other changes were less nearly uniform among the divisions. In the South Atlantic and East South Central divisions the small farms of less than 20 acres were of relatively greater importance in number

and acreage in 1910 than in 1900 on account of the continued breaking up of plantations into smaller farms, chiefly operated by tenants. In the West South Central and Mountain divisions the breaking up of many ranches of 1 000 acres and over has been accompanied by an increase in the relative importance, as measured by acreage, of all of the other size groups, and the same is true, for the most part, of the Pacific division.

Table 24 shows, by divisions, the percentage of increase in number and acreage for farms of the size groups shown in the preceding table.

Table 24

PER CENT OF INCREASE: 1900 TO 1910

DIVISION AND ITEM.	All farms.	Under 20 acres.	20 to 49 acres.	50 to 99 acres.	100 to 174 acres.	175 to 499 acres.	500 to 999 acres.	1,000 acres and over.
<b>United States:</b>								
Number of farms.....	10.9	24.5	12.5	5.3	6.6	12.7	22.2	8.3
Acreage of farm land.....	4.8	22.5	9.3	4.6	6.6	13.9	23.3	-15.5
<b>NEW ENGLAND:</b>								
Number of farms.....	-1.6	22.4	0.1	-7.0	-8.4	-6.7	0.3	16.3
Acreage of farm land.....	-4.1	14.9	-2.9	-7.2	-7.7	-6.1	2.8	36.2
<b>MIDDLE ATLANTIC:</b>								
Number of farms.....	-3.5	7.7	-7.1	-8.2	-4.4	1.0	-3.1	-14.1
Acreage of farm land.....	-3.7	4.1	-8.0	-7.6	-4.5	1.0	-2.3	-3.0
<b>EAST NORTH CENTRAL:</b>								
Number of farms.....	-1.1	8.2	-14.4	-2.7	4.6	5.9	-7.6	-19.8
Acreage of farm land.....	1.4	3.5	-15.6	-2.9	4.5	5.8	-7.1	6.4
<b>WEST NORTH CENTRAL:</b>								
Number of farms.....	4.6	10.3	-16.9	-14.5	3.9	20.4	52.5	21.4
Acreage of farm land.....	15.7	2.4	-19.1	-14.2	3.7	21.8	51.8	9.7
<b>SOUTH ATLANTIC:</b>								
Number of farms.....	15.6	27.0	33.3	16.3	(*)	-8.3	-15.3	-14.7
Acreage of farm land.....	-0.5	30.7	29.7	16.1	0.1	-9.0	-14.7	-10.8
<b>EAST SOUTH CENTRAL:</b>								
Number of farms.....	15.4	38.0	25.1	10.3	-1.3	-7.0	-14.1	-14.9
Acreage of farm land.....	0.3	35.5	20.7	10.1	-2.5	-7.9	-12.2	-8.7
<b>WEST SOUTH CENTRAL:</b>								
Number of farms.....	24.9	20.2	15.1	34.2	25.2	43.3	21.2	-5.3
Acreage of farm land.....	-4.2	17.3	15.1	31.9	25.5	44.0	22.8	-30.1
<b>MOUNTAIN:</b>								
Number of farms.....	81.0	43.1	52.8	71.9	90.7	137.4	72.0	38.8
Acreage of farm land.....	28.3	39.2	52.0	70.5	91.2	138.0	67.0	-7.6
<b>PACIFIC:</b>								
Number of farms.....	34.1	84.6	76.1	43.5	6.8	5.2	15.7	16.4
Acreage of farm land.....	8.3	71.3	76.1	40.5	3.5	3.5	16.4	4.8

\* A minus sign (—) denotes decrease.    † Less than one-tenth of 1 per cent.

Table 25, on the following page, shows, by geographic divisions, the percentage which improved land forms of all farm land in each size group, and the average value of land and buildings per farm and per acre.

As might be expected, small farms have, in general, a higher percentage of improved land than large farms. In the United States as a whole, in 1910, 90.9 per cent of the acreage of the farms under 20 acres in size consisted of improved land, while only 18.7 per cent of the acreage of farms of 1 000 acres and over was improved.

The differences among the several size groups with reference to the proportion of farm land improved naturally tend to bring about corresponding differences in the average value of all farm land per acre. Moreover, the largest farms are commonly in sections of the country not easily accessible to markets, where land values are relatively low. Furthermore, on the smaller farms buildings are in most cases of relatively greater importance than on the larger farms. Consequently it is not surprising that in the United States as a whole the average value of land and buildings per

acre in farms ranged in 1910 from \$148.96 for farms of less than 20 acres to \$13.92 for farms of 1,000 acres

and over, and that the average value per acre decreases uniformly as the size of the farms increases.

Table 25

DIVISION AND SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.				DIVISION AND SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
			Per farm.		Per acre.					Per farm.		Per acre.	
	1910	1900	1910	1900	1910	1900		1910	1900	1910	1900	1910	1900
UNITED STATES													
Total.....	54.4	49.4	\$5,471	\$2,898	\$39.60	\$19.81	Total.....	46.7	44.2	\$2,236	\$1,254	\$23.96	\$11.57
Under 20 acres.....	80.9	89.7	1,561	839	148.96	88.11	Under 20 acres.....	58.4	87.2	795	408	74.62	39.39
20 to 49 acres.....	86.6	79.4	1,757	1,052	54.77	31.88	20 to 49 acres.....	79.9	78.6	1,033	515	33.15	16.09
50 to 99 acres.....	69.0	68.3	3,427	2,067	48.77	28.64	50 to 99 acres.....	58.3	57.3	1,836	930	27.22	13.61
100 to 174 acres.....	52.7	61.4	6,203	3,314	45.77	24.46	100 to 174 acres.....	47.4	47.0	2,949	1,544	23.34	12.24
175 to 499 acres.....	61.0	58.2	12,028	5,831	44.34	22.10	175 to 499 acres.....	39.6	39.0	5,573	2,837	21.19	10.71
500 to 999 acres.....	48.8	43.4	19,819	8,244	29.68	13.97	500 to 999 acres.....	30.5	30.5	11,843	5,408	18.23	8.39
1,000 acres and over.....	18.7	12.3	46,375	21,735	13.92	5.18	1,000 acres and over.....	18.4	19.0	27,938	11,975	13.74	6.16
NEW ENGLAND.													
Total.....	36.8	39.6	3,866	2,753	36.45	25.71	Total.....	53.9	49.5	1,668	1,034	21.32	11.49
Under 20 acres.....	72.9	72.6	2,733	2,069	295.22	209.86	Under 20 acres.....	95.8	93.5	580	334	49.41	27.93
20 to 49 acres.....	52.3	53.3	2,939	2,245	90.27	66.89	20 to 49 acres.....	83.7	81.4	858	500	28.18	15.83
50 to 99 acres.....	41.5	45.4	3,114	2,276	44.55	32.49	50 to 99 acres.....	62.0	60.4	1,512	835	21.75	11.99
100 to 174 acres.....	39.4	41.5	3,557	2,682	39.06	21.33	100 to 174 acres.....	50.9	47.5	2,397	1,318	18.66	10.14
175 to 499 acres.....	33.1	36.6	6,063	4,211	28.81	16.80	175 to 499 acres.....	43.8	40.9	4,914	2,798	19.11	10.77
500 to 999 acres.....	23.0	27.5	13,087	8,419	11.13	13.94	500 to 999 acres.....	34.3	31.4	11,952	6,305	18.51	9.98
1,000 acres and over.....	15.5	16.7	32,263	17,717	16.61	10.68	1,000 acres and over.....	21.6	20.2	28,329	13,571	14.82	7.54
MIDDLE ATLANTIC.													
Total.....	67.9	68.6	5,216	4,013	56.56	43.45	Total.....	34.4	22.5	3,317	1,509	18.50	6.45
Under 20 acres.....	83.8	87.2	2,913	2,151	313.71	224.06	Under 20 acres.....	96.3	95.8	711	377	58.38	30.19
20 to 49 acres.....	77.6	78.9	3,671	2,686	110.82	80.29	20 to 49 acres.....	86.7	86.8	1,013	542	31.68	16.84
50 to 99 acres.....	75.3	75.7	4,571	3,474	64.00	48.92	50 to 99 acres.....	68.3	63.4	2,027	981	28.86	13.72
100 to 174 acres.....	71.5	71.9	6,121	4,823	48.22	37.96	100 to 174 acres.....	55.3	45.0	3,526	1,406	25.59	10.06
175 to 499 acres.....	61.6	61.2	9,312	7,501	38.87	31.44	175 to 499 acres.....	46.2	37.2	6,250	2,545	23.01	9.48
500 to 999 acres.....	42.8	40.3	25,117	18,565	40.29	29.96	500 to 999 acres.....	29.7	23.4	12,607	5,046	18.86	8.45
1,000 acres and over.....	16.9	15.6	66,674	31,431	27.87	14.54	1,000 acres and over.....	6.2	3.6	45,613	20,766	8.76	2.94
EAST NORTH CENTRAL.													
Total.....	75.4	74.5	7,899	4,325	75.25	42.23	Total.....	26.7	18.1	7,192	3,342	22.16	7.30
Under 20 acres.....	80.1	89.3	2,225	1,358	240.36	140.37	Under 20 acres.....	90.2	84.6	2,341	921	304.21	116.23
20 to 49 acres.....	78.7	78.1	2,777	1,623	79.26	45.48	20 to 49 acres.....	77.4	72.5	4,507	1,675	135.96	50.24
50 to 99 acres.....	77.4	76.2	5,210	3,072	69.80	41.05	50 to 99 acres.....	65.3	60.8	5,969	2,352	80.82	30.69
100 to 174 acres.....	75.3	75.2	9,633	5,485	72.90	41.66	100 to 174 acres.....	35.0	38.6	4,359	2,068	28.30	13.46
175 to 499 acres.....	74.5	73.5	19,188	10,274	68.05	41.79	175 to 499 acres.....	36.2	40.8	8,150	4,193	26.26	13.55
500 to 999 acres.....	63.2	63.6	43,017	22,694	69.07	36.61	500 to 999 acres.....	34.5	30.3	16,324	7,845	23.71	10.93
1,000 acres and over.....	40.6	44.3	81,490	38,400	44.22	24.30	1,000 acres and over.....	14.4	7.0	46,972	20,599	10.51	5.07
WEST NORTH CENTRAL.													
Total.....	70.6	67.5	10,464	4,385	49.92	23.14	Total.....	42.9	39.6	13,650	6,751	48.28	20.17
Under 20 acres.....	80.1	81.9	2,522	1,210	278.63	124.13	Under 20 acres.....	85.9	85.2	2,526	2,858	590.54	301.70
20 to 49 acres.....	78.0	76.9	2,723	1,323	78.12	36.96	20 to 49 acres.....	72.0	70.8	7,733	3,950	247.01	126.16
50 to 99 acres.....	78.6	77.8	4,935	2,380	64.99	31.45	50 to 99 acres.....	59.7	55.2	10,203	4,603	141.57	62.32
100 to 174 acres.....	74.8	74.5	8,468	3,964	58.75	26.76	100 to 174 acres.....	40.7	38.3	8,914	3,475	60.93	23.05
175 to 499 acres.....	76.8	73.5	15,675	8,966	49.45	24.45	175 to 499 acres.....	35.2	30.2	16,884	7,033	55.58	22.65
500 to 999 acres.....	62.5	58.3	22,297	10,305	33.13	15.24	500 to 999 acres.....	55.7	51.4	27,774	12,864	40.01	18.65
1,000 acres and over.....	43.4	40.8	42,299	17,867	21.76	8.31	1,000 acres and over.....	32.4	30.4	67,192	39,223	21.76	11.44

Size groups, by states: 1910 and 1900.—Table 26 shows, by geographic divisions, for each state, the number and acreage of farms in the several size groups in 1910 and 1900, respectively.

NUMBER, TOTAL AND IMPROVED ACREAGE, AND VALUE OF LAND AND BUILDINGS OF FARMS CLASSIFIED BY SIZE, BY STATES: 1910 AND 1900.

Table 26

STATE AND SIZE GROUP.	NUMBER OF FARMS.		ALL LAND IN FARMS (ACRES).		ACREAGE OF FARMS.		LAND AND BUILDINGS.		STATE AND SIZE GROUP.	NUMBER OF FARMS.		ALL LAND IN FARMS (ACRES).		ACREAGE OF FARMS.		LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900	1910	1900		1910	1900	1910	1900	1910	1900	1910	1900
<b>New England</b>																	
<b>MAINE.</b>																	
Total.....	60,016	59,299	6,296,839	6,299,946	2,360,657	\$159,619,626	Total.....	36,917	37,715	2,875,941	3,147,064	1,164,501	\$194,168,765				
Under 20 acres.....	7,113	5,307	67,517	66,657	49,008	11,570,427	Under 20 acres.....	10,606	8,889	96,041	84,038	69,869	39,272,556				
20 to 49 acres.....	9,492	9,267	317,627	314,397	154,346	15,302,117	20 to 49 acres.....	8,800	8,875	287,500	290,522	136,902	36,665,191				
50 to 99 acres.....	17,895	18,644	1,246,571	1,297,754	553,516	36,562,364	50 to 99 acres.....	7,981	8,910	554,699	618,783	252,447	40,939,114				
100 to 174 acres.....	16,633	17,191	2,078,196	2,127,338	838,328	50,555,750	100 to 174 acres.....	5,703	6,600	721,710	825,328	290,707	34,863,149				
175 to 499 acres.....	8,293	8,260	2,041,995	2,009,634	678,640	39,180,736	175 to 499 acres.....	3,323	3,967	840,139	997,933	278,531	32,098,128				
500 to 999 acres.....	401	533	1,284,838	1,306,709	61,014	4,164,935	500 to 999 acres.....	319	339	197,218	222,329	47,817	6,375,095				
1,000 acres and over.....	129	114	263,355	184,172	24,405	2,277,177	1,000 acres and over.....	93	75	178,625	120,287	68,228	3,955,524				
<b>NEW HAMPSHIRE.</b>																	
Total.....	27,653	29,324	3,249,458	3,666,864	929,185	\$5,916,961	Total.....	5,292	5,498	443,308	455,662	178,344	27,832,860				
Under 20 acres.....	4,585	3,967	42,367	40,227	154,314	15,102,241	Under 20 acres.....	1,577	1,412	123,887	111,578	9,873	5,169,435				
20 to 49 acres.....	4,509	4,765	146,013	163,050	68,056	9,187,967	20 to 49 acres.....	1,144	1,169	36,603	38,550	22,097	5,209,903				
50 to 99 acres.....	6,248	7,123	434,835	503,049	164,514	14,413,621	50 to 99 acres.....	1,204	1,256	87,794	87,093	41,493	6,140,626				
100 to 174 acres.....	6,247	7,430	787,462	935,580	255,361	19,065,747	100 to 174 acres.....	945	1,049	117,994	130,689	47,500	4,789,185				
175 to 499 acres.....	4,411	5,333	1,221,606	1,399,101	314,777	24,252,550	175 to 499 acres.....	487	530	121,822	136,387	42,914	5,056,297				
500 to 999 acres.....	513	510	322,557	308,766	58,667	6,197,466	500 to 999 acres.....	51	45	36,875	28,610	10,577	1,101,300				
1,000 acres and over.....	167	164	224,357	289,739	37,226	4,577,666	1,000 acres and over.....	24	17	36,733	22,895	3,890	366,930				
<b>VERMONT.</b>																	
Total.....	32,709	33,104	4,663,577	4,724,440	1,633,965	112,558,275	Total.....	26,815	26,948	2,185,788	2,312,603	988,252	138,319,221				
Under 20 acres.....	4,578	3,285	40,250	32,276	29,952	7,692,142	Under 20 acres.....	6,635	5,126	58,797	51,662	42,447	21,940,957				
20 to 49 acres.....	3,481	3,511	112,129	120,740	58,062	7,038,230	20 to 49 acres.....	6,306	6,218	204,701	204,106	115,940	25,912,631				
50 to 99 acres.....	5,916	6,513	424,012	468,227	182,638	13,057,680	50 to 99 acres.....	6,034	6,943	402,650	455,908	252,989	31,914,010				
100 to 174 acres.....	9,492	10,215	1,228,117	1,328,066	419,120	23,253,559	100 to 174 acres.....	4,999	5,944	632,836	686,967	285,839	39,041,903				
175 to 499 acres.....	6,516	8,943	2,187,113	2,280,010	757,888	43,794,392	175 to 499 acres.....	2,013	2,954	649,405	729,126	261,558	32,685,080				
500 to 999 acres.....	607	536	321,848	222,903	95,949	6,144,000	500 to 999 acres.....	188	177	117,222	111,867	21,022	1,642,738				
1,000 acres and over.....	125	101	290,107	172,218	29,365	5,173,616	1,000 acres and over.....	40	26	59,707	35,058	11,354	1,833,281				

NUMBER, TOTAL AND IMPROVED ACREAGE, AND VALUE OF LAND AND BUILDINGS OF FARMS CLASSIFIED BY  
SIZE, BY STATES: 1910 AND 1900—Continued.

**Table 26—Contd.**

Table 26—Contd.		NUMBER OF FARMS.		ALL LAND IN FARMS (ACRES).		IMPROVED ACREAGE OF FARMS.		VALUE OF LAND AND BUILDINGS.		STATE AND SIZE GROUP.		NUMBER OF FARMS.		ALL LAND IN FARMS (ACRES).		IMPROVED ACREAGE OF FARMS.		VALUE OF LAND AND BUILDINGS.	
STATE AND SIZE GROUP.		1910	1900	1910	1900	1910	1900	1910	1900	STATE AND SIZE GROUP.		1910	1900	1910	1900	1910	1900	1910	1900
<b>Middle Atlantic</b>																			
<b>NEW YORK.</b>																			
Total.....	215,597	226,730	22,630,367	22,648,100	18,444,639	18,147,425				<b>NORTH CAROLINA.</b>		74,390	43,332	28,426,650	15,542,690	30,455,072	\$822,656,744		
Under 20 acres.....	10,388	22,543	3,075,962	3,075,962	3,797,685	108,635,211				<b>Under 20 acres.....</b>		224	791	1,601	7,711	1,224	344,566		
20 to 49 acres.....	31,047	33,129	1,022,991	1,180,411	801,480	212,015,019				<b>20 to 49 acres.....</b>		450	555	16,087	18,963	10,718	739,953		
50 to 99 acres.....	6,641	63,783	4,068,589	4,531,108	3,033,725	204,218,051				<b>50 to 99 acres.....</b>		1,207	716	94,199	39,640	53,633	2,539,341		
100 to 174 acres.....	31,033	30,846	7,894,307	8,157,512	5,540,335	304,162,067				<b>100 to 174 acres.....</b>		25,043	19,471	3,646,948	2,382,021	2,113,308	83,425,352		
175 to 499 acres.....	61,031	63,063	7,533,234	7,243,784	4,746,402	275,785,871				<b>175 to 499 acres.....</b>		34,393	18,339	1,020,916	634,547	9,063,580	354,079,590		
500 to 999 acres.....	1,104	1,109	688,948	694,023	27,445,232					<b>500 to 999 acres.....</b>		12,602	5,114	8,783,530	3,361,491	6,675,379	271,500,660		
1,000 acres and over.....	243	248	584,807	517,051	117,654	17,667,078				<b>1,000 acres and over.....</b>		2,416	1,346	3,889,694	2,340,027	2,465,281	109,815,881		
<b>NEW JERSEY.</b>																			
Total.....	33,487	34,650	2,573,857	2,840,906	1,803,396	217,134,519				<b>SOUTH CAROLINA.</b>		77,644	52,622	26,016,892	19,070,616	15,827,308	1,005,080,801		
Under 20 acres.....	9,073	8,585	1,442,541	1,743,332	147,420	31,003,285				<b>Under 20 acres.....</b>		808	807	6,612	5,089	5,063	1,808,650		
20 to 49 acres.....	7,607	7,632	243,808	249,071	150,500	33,700,754				<b>20 to 49 acres.....</b>		1,121	967	39,475	36,346	30,001	3,061,278		
50 to 99 acres.....	8,194	8,882	585,093	638,281	458,015	51,373,689				<b>50 to 99 acres.....</b>		2,406	2,214	183,302	108,922	134,340	140,437,025		
100 to 174 acres.....	7,207	7,383	911,364	991,720	688,575	59,041,017				<b>100 to 174 acres.....</b>		28,306	16,144	4,458,038	2,382,021	2,113,308	140,337,025		
175 to 499 acres.....	2,225	2,513	522,377	590,433	378,582	27,445,232				<b>175 to 499 acres.....</b>		33,041	23,375	10,819,794	8,019,437	9,064,882	354,079,590		
500 to 999 acres.....	112	110	70,426	67,963	30,988	5,129,555				<b>500 to 999 acres.....</b>		9,038	7,174	6,588,127	5,005,021	3,866,801	239,012,732		
1,000 acres and over.....	59	73	160,339	229,140	25,964	416,550				<b>1,000 acres and over.....</b>		2,174	2,041	3,926,736	3,433,788	1,992,251	90,874,817		
<b>PENNSYLVANIA.</b>																			
Total.....																			



NUMBER, TOTAL AND IMPROVED ACREAGE, AND VALUE OF LAND AND BUILDINGS OF FARMS CLASSIFIED BY SIZE, BY STATES: 1910 AND 1900—Continued.

Table 26—Contd.	STATE AND SIZE GROUP.	NUMBER OF FARMS.		ALL LAND IN FARMS (ACRES).		IMPROVED ACREAGE OF FARMS.		VALUE OF LAND AND BUILDINGS.		STATE AND SIZE GROUP.		NUMBER OF FARMS.		ALL LAND IN FARMS (ACRES).		IMPROVED ACREAGE OF FARMS.		VALUE OF LAND AND BUILDINGS.			
		1910		1900		1910		1910				1910		1900		1910		1910			
		1910	1900	1910	1900	1910	1900	1910	1900			1910	1900	1910	1900	1910	1900	1910	1900		
<b>South Atlantic—Continued.</b>																					
<b>GEORGIA.</b>																					
Total.....		201,027	224,691	26,933	413	26,392	557	12,298	517	\$479,204	332	20,214	13,370	13,545	603	3,640	309	\$251,625	930		
Under 20 acres.....		29,624	19,336	248	103	232	685	327	212	19,929	322	755	653	4,282	3,644	1	3	1,917	013		
20 to 49 acres.....		117,332	73,461	3,700	281	2,421	384	3,818	057	66,117	97	966	499	33,662	16,581	21	399	3,462	310		
50 to 99 acres.....		68,510	52,251	4,553	882	3,472	677	2,968	547	102,927	993	1,290	563	96,064	43,476	55	645	6,799	281		
100 to 174 acres.....		42,275	41,661	5,223	132	5,150	210	2,367	863	92,772	819	10,552	5,613	1,648,834	882,023	614	349	43,134	560		
175 to 499 acres.....		27,710	31,439	7,412	506	8,369	107	2,888	329	102,831	020	8,339	3,397	2,068,526	1,137,435	923	664	64,032	439		
500 to 999 acres.....		3,559	4,718	2,604	830	3,074	445	305	659	32,471	115	2,353	1,250	1,654,257	990,121	509	033	38,615	276		
1,000 acres and over.....		1,321	1,838	3,101	872	3,580	540	432	340	22,154	085	1,499	1,282	7,439,348	8,841,481	1,422	317	85,645	051		
<b>FLORIDA.</b>																					
Total.....		50,016	40,814	5,253	538	4,953	801	1,805	408	118,145	989	30,807	17,471	5,283,604	3,204,700	2,778	740	245,065	825		
Under 20 acres.....		9,084	6,364	85	797	60	699	69	247	20,000	594	2,008	594	10,786	5,511	14	265	14,967	205		
20 to 49 acres.....		17,169	13,646	570	960	467	002	391	233	22,124	761	2,048	1,478	144,087	54,770	111	568	19,438	414		
50 to 99 acres.....		9,999	7,884	724	563	681	301	361	794	19,623	599	5,836	2,378	1,708,591	938,576	977	778	73,742	412		
100 to 174 acres.....		8,178	9,400	1,123	163	1,120	791	380	200	20,391	462	11,891	8,968	1,793,750	1,386,070	792	797	69,712	591		
175 to 499 acres.....		4,545	4,103	1,214	621	1,097	346	388	993	21,854	842	8,339	3,397	2,068,526	1,137,435	923	664	64,032	439		
500 to 999 acres.....		670	609	445	978	407	684	107	619	8,139	751	2,353	1,250	1,654,257	990,121	509	033	38,615	276		
1,000 acres and over.....		371	278	1,088	454	628	806	106	305	10,902	532	1,499	1,282	7,439,348	8,841,481	1,422	317	85,645	051		
<b>East South Central.</b>																					
<b>KENTUCKY.</b>																					
Total.....		229,183	234,067	22,189	127	21,979	422	14,334	471	635,459	372	10,987	6,095	8,543,010	8,124,536	1,256	160	97,915	277		
Under 20 acres.....		58,237	42,904	1,835	460	1,655	404	1,455	945	30,723	015	402	502	1,116	1,111	451		389	589		
20 to 49 acres.....		58,537	51,851	1,854	214	1,658	283	1,455	951	68,341	744	338	75	12,610	3,119	8,941		794	290		
50 to 99 acres.....		63,778	60,435	4,556	297	4,161	328	1,714	258	119,994	284	645	257	49,985	21,745	33,007		2,310	865		
100 to 174 acres.....		50,134	48,564	6,282	399	6,077	857	4,117	357	156,477	945	3,816	2,201	585,182	345,033	174	978	12,457	188		
175 to 499 acres.....		25,479	26,888	2,404	389	2,404	389	1,827	959	119,994	284	4,344	2,226	328,981	199,057	253	570	37,509	589		
500 to 999 acres.....		2,181	2,470	1,370	115	1,513	808	688	727	40,015	029	3,629	1,420	1,166,263	498,993	200	228	22,662	822		
1,000 acres and over.....		441	558	828	188	985	680	240	219	19,839,078		984	723	709,831	500,490	189	064	13,119	697		
<b>TENNESSEE.</b>																					
Total.....		246,012	224,623	20,941	657	20,342	058	10,890	844	480,522	587	46,170	24,700	13,332,113	9,474,588	4,302	191	458,531	861		
Under 20 acres.....		47,341	36,542	547	322	430	110	601	007	31,306	673	5,070	2,873	40,432	22,529	37	338	20,630	311		
20 to 49 acres.....		72,212	61,412	2,243	371	1,937	492	1,800	574	74,455	941	3,882	2,122	126,269	72,404	99	671	28,470	967		
50 to 99 acres.....		60,301	56,525	4,147	868	3,845	990	2,581	448	104,016	536	5,836	2,378	1,708,591	938,576	977	778	73,742	412		
100 to 174 acres.....		44,545	42,476	5,256	026	5,371	391	2,002	232	113,199	160	10,159	5,968	1,708,591	938,576	977	778	73,742	412		
175 to 499 acres.....		21,430	24,274	5,724	057	6,216	230	2,619	931	120,220	588	8,339	3,397	2,068,526	1,137,435	923	664	64,032	439		
500 to 999 acres.....		1,878	2,068	1,180	022	1,285	374	423	371	23,045	459	2,353	1,250	1,654,257	990,121	509	033	38,615	276		
1,000 acres and over.....		481	566	937	718	1,164	536	162	663	13,432	310	1,499	1,282	7,439,348	8,841,481	1,422	317	85,645	051		
<b>ALABAMA.</b>																					
Total.....		262,991	231,220	20,732	312	20,685	427	9,633	581	288,253	591	35,676	12,311	11,276	021	5,130	578	1,467	191		
Under 20 acres.....		41,588	33,640	477	218	362	820	461	606	17,732	506	6,885	5,057	55,226	41,867	46	776	5,884	194		
20 to 49 acres.....		106,841	89,784	3,244	559	2,979	797	2,863	670	65,174	986	11,891	8,968	1,793,750	1,386,070	792	797	69,712	591		
50 to 99 acres.....		55,448	47,745	5,802	276	3,908	528	2,296	469	104,016	536	5,836	2,378	1,708,591	938,576	977	778	73,742	412		
100 to 174 acres.....		35,439	37,111	4,674	380	4,962	792	1,827	959	119,994	284	10,159	5,968	1,708,591	938,576	977	778	73,742	412		
175 to 499 acres.....		20,676	22,983	5,257	792	5,891	271	1,602	265	55,450	822	8,339	3,397	2,068,526	1,137,435	923	664	64,032	439		
500 to 999 acres.....		2,276	2,788	1,497	299	1,808	499	374	410	16,116	822	2,353	1,250	1,654,257	990,121	509	033	38,615	276		
1,000 acres and over.....		822	856	1,668	067	1,710	138	308	593	15,574	389	1,499	1,282	7,439,348	8,841,481	1,422	317	85,645	051		
<b>MISSISSIPPI.</b>																					
Total.....		274,392	262,991	18,557	337	18,240	376	9,005	310	334,162	289	46,170	24,700	13,332,113	9,474,588	4,302	191	458,531	861		
Under 20 acres.....		66,943	42,974	874	394	576	020	863	325	36,834	417	5,070	2,873	40,432	22,529	37	338	20,630	311		
20 to 49 acres.....		112,668	88,934	3,289	960	2,667	004	2,811	168	92,685	257	3,882	2,122	126,269	72,404	99	671	28,470	967		
50 to 99 acres.....		44,445	39,949	3,112	022	2,806	402	1,605	452	55,825	671	5,836	2,378	1,708,591	938,576	977	778	73,742	412		
100 to 174 acres.....		30,172	31,980	4,001	220	4,267	219	1,827	959	119,994	284	10,159	5,968	1,708,591	938,576	977	778	73,742	412		
175 to 499 acres.....		17,115	18,430	4,971	801	4,953	1,412	5,440	661	55,825	671	8,339	3,397	2,068,526	1,137,435	923	664	64,032	439		
500 to 999 acres.....		2,061	2,461	1,365	482	1,566	195	574	020	19,965	266	2,353	1,250	1,654,257	990,121	509	033	38,615	276		
1,000 acres and over.....		780	839	1,397	082	1,431	342	329	262	22,211	126	1,499	1,282	7,439,348	8,841,481	1,422	317	85,645	051		
<b>West South Central.</b>																					
<b>ARKANSAS.</b>																					
Total.....		214,078	178,091	17,416	075	16,636	718	8,070	254	309,166	813	2,089	2,184	2,714	757	2,565	647	752	117		
Under 20 acres.....		38,259	25,665	476	339	341	530	1,164	860	11,464	860	271	265	1,874	1,976	1,585	601	713	78		
20 to 49 acres.....		74,983	55,352	2,443	264	1,806	094	1,944	165	70,334	960	320	231	10,428	7,580	6,937	1,023	280	57		
50 to 99 acres.....		45,373	38,938	3,299	148	2,857	527	1,799	792	63,280	020	411	217	31,455	16,013	16,478	1,073	878	20		
100 to 174 acres.....		39,333	42,637	5,065	528	5,915	487	1,993	878	66,823	373	5,836	2,378	1,708,591	938,576	977	778	73,742	412		
175 to 499 acres.....		17,115	18,430	4,971	801	4,953	1,412	5,440	661	55,825	671	8,339	3,397	2,068,526	1,137,435	923	664	64,032	439		
500 to 999 acres.....		1,163	1,239	763	281	811	373	228	306	14,164	389	248	262	172,159	179,984	79	122	6,841	919		
1,000 acres and over.....		398	416	821	923	748	776	187	123	15,785	432	1,499	1,282	7,439,348	8,841,481	1,422	317	85,645	051		
<b>LOUISIANA.</b>																					
Total.....		120,346	115,969	10,499	481	10,599	127	5,276	016	237,544	450	56,192	33,022	11,712	255	8,499	267	6,733	311		
Under 20 acres.....		22,256	25,732	335	230	322	025	455	303	17,800	570	40,192	3,022	6,280	28	47	66	47	66		
20 to 49 acres.....		40,238	18,179	1,418	628	1,272	079	824	543	32,567	718	19,252	4,240	328,883	144,567	160	236	61	406		
50 to 99 acres.....		13,681	15,633	1,817	211	2,150	489	789	553	30,213	981	7,105	4,387	523,048	332,077	218	786	52	667		
100 to 174 acres.....		8,406	9,015	2,744	598	2,422	116	968	320	39,491	013	13,854	11,249	2,082,532	1,705,002	700	073	247	073		



## CHAPTER 11.

### LIVE STOCK ON FARMS AND ELSEWHERE.

**Introduction.**—This chapter presents in condensed form the main results of the enumeration of live stock in the United States made as of April 15, 1910, giving the statistics by geographic divisions and by states.

The census of agriculture deals in general only with farms, but in the case of domestic animals it includes also those not on farms (mainly in cities and villages), although no attempt has been made to collect statistics of poultry or bees other than on farms. This chapter presents first the statistics of live stock on farms, and later, in more condensed form, the statistics of domestic animals not on farms, and concludes with the combined totals for domestic animals on farms and elsewhere.

#### ALL LIVE STOCK ON FARMS.

Table 7, page 312, presents statistics of the value of live stock on farms at the last two censuses by geographic divisions and states. Data relating to domestic animals not on farms will be found on page 337, and a combination of the figures for all animals both on farms and elsewhere on page 342.

The total value of all live stock on farms in the United States on April 15, 1910, was \$4,925,000,000. Of this total, \$4,760,000,000, or 96.6 per cent, represented the value of domestic animals. During the decade the value of live stock on farms increased nearly \$1,850,000,000, or 60.1 per cent. During the same period the total value of farm property increased 100.5 per cent, the rate of increase in the principal constituent element, the value of land, being 118.1 per cent, or nearly twice as great as for live stock. The increase in the value of live stock above noted was shared by every geographic division. Much the largest absolute increases were in the West North Central and the East North Central divisions, though in percentage of increase the Pacific division ranked highest, closely followed by the South Atlantic.

Table 1 in the next column gives statistics as to the value of live stock on farms for certain larger sections of the country. The North, as the term is used in this chapter, includes the New England, Middle Atlantic, East North Central, and West North Central divisions; the South includes the South Atlantic, East South Central, and West South Central; and the West, the Mountain and Pacific divisions.

The North shows a greater absolute increase in the value of all live stock than the South and the West

The term "live stock" as used in the censuses of 1910 and 1900 comprises the common farm animals (cattle, horses, mules, asses and burros, swine, sheep, and goats), together with poultry and bees. It is obvious that in the consideration of live stock as a whole, no combination of the numbers of the different classes into one total would have any significance. No comparison can be made except on the basis of value. It should be noted, however, that the increase in the aggregate value of live stock from 1900 to 1910 is due chiefly to the increase in the average value per head of the live stock reported, as there has been no great increase in number in any important class, while some classes show a decrease.

combined, but the percentage of increase is somewhat lower in that section than in either of the others.

**Table 1**

VALUE OF LIVE STOCK ON FARMS.

SECTION.	VALUE OF LIVE STOCK ON FARMS.			
	Total. <sup>1</sup>	Domestic animals.	Poultry.	Bees.
The North:				
1910.....	\$2,975,094,377	\$2,863,849,890	\$106,311,212	\$4,693,160
1900.....	1,897,439,200	1,835,336,173	57,123,391	4,876,407
Per ct. of increase..	56.8	56.0	86.1	0.3
The South:				
1910.....	\$1,325,405,837	\$1,284,298,714	\$37,415,336	\$3,689,547
1900.....	810,822,035	782,407,960	24,222,562	4,178,033
Per ct. of increase <sup>2</sup> ..	63.5	64.1	54.5	-11.7
The West:				
1910.....	\$624,673,396	\$611,911,489	\$10,936,672	\$1,790,908
1900.....	367,216,468	361,453,453	4,461,865	1,123,647
Per ct. of increase..	70.1	69.3	145.1	59.4
East of the Mississippi:				
1910.....	\$2,158,965,039	\$2,065,594,011	\$87,589,549	\$5,855,199
1900.....	1,332,779,097	1,275,186,006	51,136,240	6,392,366
Per ct. of increase <sup>2</sup> ..	62.0	62.0	71.3	-8.4
West of the Mississippi:				
1910.....	\$2,766,218,571	\$2,694,556,082	\$87,073,671	\$4,518,416
1900.....	1,742,698,606	1,704,010,980	34,671,578	3,783,721
Per ct. of increase..	58.7	58.1	53.5	19.4

<sup>1</sup> Totals include a small amount for the value of special classes of animals (buffaloes, deer, etc.), not included under "domestic animals."

<sup>2</sup> A minus sign (—) denotes decrease.

The next statement shows by percentages the distribution of the United States totals given in Table 7 among the geographic divisions and sections of the country. To aid in interpreting these figures the distribution of the total land in farms and of the total improved land is also shown.

The distribution of the value of live stock corresponds in general more closely to the distribution of improved land than to that of all land in farms, the only conspicuous exception being in the Mountain division. The West North Central, East North Central, and West South Central divisions are the most important from the standpoint of value of live stock.

The North reported in 1910 three-fifths of the total value of all live stock on farms in the United States, the South somewhat over one-fourth, and the West one-eighth.

Table 2

DIVISION OR SECTION.	PER CENT OF TOTAL FOR THE UNITED STATES.											
	All land in farms.		Im-proved land in farms.		Value of all live stock.		Value of domestic animals.		Value of poultry.		Value of bees.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
United States.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New England.....	2.2	2.5	1.5	2.0	2.0	2.4	1.9	2.4	3.4	1.9		
Middle Atlantic.....	4.9	5.4	6.1	7.4	7.1	8.0	6.9	7.9	11.5	11.2		
East North Central.....	13.4	13.9	18.6	20.9	19.8	19.7	19.7	19.5	25.3	17.4		
West North Central.....	26.5	24.0	34.3	32.7	31.5	31.6	31.6	31.8	28.6	16.7		
South Atlantic.....	11.8	12.4	10.1	11.1	7.4	6.3	7.4	6.2	8.8	15.2		
East South Central.....	9.3	9.7	9.2	9.7	7.5	6.9	7.5	6.8	7.7	10.8		
West South Central.....	19.3	21.1	12.2	9.6	12.0	13.1	12.1	13.2	7.7	8.6		
Mountain.....	6.8	5.5	3.3	2.0	7.9	7.9	8.1	8.1	3.0	7.6		
Pacific.....	5.8	5.7	4.6	4.5	4.8	4.0	4.8	4.0	4.1	9.7		
The North.....	47.1	45.6	60.6	63.0	60.4	61.7	60.2	61.6	68.7	47.2		
The South.....	40.3	43.2	31.5	30.4	26.9	26.4	27.0	26.3	24.2	35.6		
The West.....	12.6	11.2	7.9	6.6	12.7	11.9	12.9	12.1	7.1	17.3		
East of the Mississippi.....	41.7	43.8	45.6	51.1	43.8	43.3	43.4	42.8	56.6	56.4		
West of the Mississippi.....	58.3	56.2	54.4	48.9	56.2	56.7	56.6	57.2	43.4	43.6		

Inasmuch as in each division the value of domestic animals constitutes the greater part of the value of all live stock, its distribution naturally corresponds closely to that of the total. The distribution of the value of poultry is somewhat different and that of the value of bees decidedly different. The five divisions east of the Mississippi River each reported in 1910 a much larger proportion of the value of the poultry on farms than they did of the value of domestic animals on farms, while the opposite is true of the four divisions west of the Mississippi.

#### DOMESTIC ANIMALS ON FARMS.

In comparing the aggregate number and value of the several classes of domestic animals as reported at the censuses of 1910 and 1900, due consideration must be given to the fact that the enumeration of 1900 was as of June 1, while that of 1910 was as of April 15. Had the census of 1910 been taken as of June 1, the number of animals—especially of cattle, swine, and sheep—would have been materially greater than reported, for the reason that a very large number of domestic animals of all kinds are born during the six weeks from April 15 to June 1. As the value per head of these animals would be relatively low, however, an enumeration at the later date would not have had the effect of increasing the total value of animals reported in anything like the same degree; in other words, the average value per head would have been lower than that based upon the figures reported for April 15.

Table 4, on the opposite page, summarizes, for the United States as a whole, the principal facts with regard to the several classes of domestic animals on farms.

The following table shows the average value of live stock per farm and per acre of land in farms:

Table 3

DIVISION.	AVERAGE SIZE OF FARMS (ACRES).		VALUE OF LIVE STOCK PER FARM.		VALUE OF LIVE STOCK PER ACRE OF FARM LAND.	
	1910	1900	1910	1900	1910	1900
	1910	1900	1910	1900	1910	1900
United States.....	138.1	146.2	\$774	\$536	\$5.60	\$3.67
New England.....	104.4	107.1	519	390	4.97	3.64
Middle Atlantic.....	92.2	92.4	745	506	8.08	5.48
East North Central.....	165.0	102.4	809	532	8.28	5.20
West North Central.....	209.6	189.5	1,398	917	6.67	4.84
South Atlantic.....	93.3	108.4	330	202	3.53	1.86
East South Central.....	78.2	89.9	354	236	4.53	2.63
West South Central.....	179.3	233.8	625	534	3.49	2.28
Mountain.....	324.5	457.9	2,119	2,406	6.53	5.26
Pacific.....	270.3	334.8	1,242	871	4.60	2.60

The average value of live stock per farm for the United States as a whole was \$774 in 1910. The average per farm was highest in the Mountain, West North Central, and Pacific divisions, which are also divisions in which the average size of farms considerably exceeds the average for the United States. In all but one division the average value of live stock per farm was greater in 1910 than in 1900. Largely because of the great decrease in the average size of farms in the Mountain division, however, the average value per farm in that division decreased.

The value of live stock per acre of farm land in the United States as reported in 1910 was \$5.60. The highest average per acre was in the East North Central division, and the next highest in the Middle Atlantic division. In the three southern divisions the value of live stock per acre is comparatively low. Between 1900 and 1910 the value of live stock per acre increased materially in each geographic division.

While there was during the decade 1900-1910 a great increase in the total value of domestic animals, this was due chiefly to the increase in average value per head. The returns show an apparent decrease in the number of cattle, swine, and sheep, and only a comparatively slight increase in the number of horses. Had both censuses been taken as of June 1, there would probably have been much less decrease in the number of cattle and of sheep, a moderate increase in the number of swine, and a somewhat greater increase in the number of horses and of mules than is shown in Table 4.

Horses, mules, and asses and burros together contributed more than one-half (55.1 per cent) of the value of domestic animals on farms in 1910, while cattle, which contributed almost one-half (49.5 per cent) of the total in 1900, contributed less than one-third (31.5 per cent) in 1910.

It is noteworthy that a smaller proportion of all farmers reported horses in 1910 than in 1900, while a decidedly larger proportion reported mules. Swine

were reported by a smaller percentage of all farmers in 1910 than in 1900, and sheep by not only a smaller

percentage, but a smaller absolute number. The proportion reporting cattle, however, increased slightly.

Table 4

	All domestic animals.	Cattle.	HORSES, MULES, AND ASSES AND BURROS.				Swine.	Sheep.	Goats.
			Total.	Horses.	Mules.	Asses and burros.			
Number of animals (April 15, 1910)		61,803,866	24,148,580	19,833,113	4,209,769	105,698	58,185,676	52,447,861	2,915,125
(June 1, 1900)		67,719,410	21,625,890	18,267,020	3,264,615	94,165	62,808,641	61,503,713	1,870,599
Increase 1900-1910		-5,915,544	2,522,780	1,566,093	945,154	11,533	-4,682,365	-9,055,852	1,044,526
Per cent.		-8.7	11.7	8.6	29.0	12.2	-7.4	-14.7	55.8
Value of animals									
1910	\$1,760,060,093	\$1,499,525,607	\$2,622,180,170	\$2,083,588,195	\$325,391,853	\$13,200,112	\$399,338,208	\$232,841,555	\$6,176,423
1900	\$2,979,197,586	\$1,475,204,633	\$1,098,546,454	\$896,313,217	\$196,222,053	\$5,811,184	\$231,978,031	\$170,203,119	\$3,295,349
Increase 1900-1910	\$1,780,862,507	\$24,318,974	\$1,523,633,716	\$1,187,074,978	\$329,169,810	\$7,388,928	\$167,360,277	\$62,638,466	\$2,911,074
Per cent.	59.8	1.6	138.7	132.4	167.8	127.1	72.1	36.8	89.1
Per cent of total value of domestic animals									
1910	100.0	31.5	55.1	43.8	11.0	0.8	8.4	4.9	0.1
1900	100.0	49.5	36.9	30.1	6.6	0.2	7.8	5.7	0.1
Average value per head									
1910	\$28.26	\$24.26	\$108.59	\$105.06	\$124.80	\$124.89	\$6.86	\$4.44	\$2.12
1900	\$21.78	\$21.78	\$50.80	\$49.08	\$60.11	\$60.11	\$3.69	\$2.77	\$1.75
Number of farms reporting									
1910	6,034,783	5,284,916		4,692,814	1,869,005	43,927	4,351,751	610,894	82,755
1900	5,498,417	4,730,580		4,330,628	1,480,652	35,584	4,335,393	763,518	77,515
Per cent of all farms									
1910	94.9	83.1		73.8	29.4	0.7	68.4	9.6	1.4
1900	95.8	82.4		79.0	25.8	0.6	75.6	13.3	1.3

\* A minus sign (-) denotes decrease.

The following statement shows the percentage which the number of each kind of animals in each geographic division or section of the country represents of the total for the United States:

Table 5

DIVISION OR SECTION.	PER CENT OF TOTAL NUMBER FOR THE UNITED STATES.									
	Cattle.				Swine.			Sheep.		
	Total.	Horses.	Mules.	Asses and burros.	Total.	Horses.	Mules.	Total.	Horses.	Mules.
United States...	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New England.....	2.2	1.5	1.8	(1)	0.1	0.7	0.8	0.1	0.1	0.1
Middle Atlantic.....	6.8	5.3	6.2	1.2	0.6	3.1	3.5	0.3	0.3	0.3
East North Central.....	15.9	19.3	22.2	6.2	5.1	24.9	18.2	1.2	1.2	1.2
West North Central.....	28.6	31.2	34.3	17.0	21.1	36.6	9.7	3.9	3.9	3.9
South Atlantic.....	7.8	7.7	5.6	17.8	3.2	10.2	4.8	7.2	7.2	7.2
East South Central.....	6.4	9.0	5.8	23.8	14.9	9.3	4.8	6.8	6.8	6.8
West South Central.....	17.3	15.2	11.8	30.6	28.2	12.1	4.2	43.8	43.8	43.8
Mountain.....	9.8	6.2	7.2	1.2	23.7	3.1	45.4	25.3	25.3	25.3
Pacific.....	5.2	4.6	5.1	2.2	3.1	2.0	10.7	11.4	11.4	11.4
The North.....	53.5	57.3	64.4	24.5	27.0	65.2	32.2	5.5	5.5	5.5
The South.....	31.6	31.9	23.2	72.2	46.2	31.7	13.7	57.8	57.8	57.8
The West.....	15.0	10.8	12.3	3.3	26.8	3.1	54.1	36.7	36.7	36.7
East of the Mississippi.....	39.1	42.8	41.6	49.1	24.0	48.2	32.1	15.6	15.6	15.6
West of the Mississippi.....	60.9	57.2	58.4	50.9	76.0	51.8	67.9	84.4	84.4	84.4

\* Less than one-tenth of 1 per cent.

The West North Central division has the largest proportion of any division of the total number in the case of cattle, of horses, mules, and asses and burros combined, and of swine, the Mountain division much the largest proportion of the sheep, and the

West South Central division much the largest proportion of the goats. The North has more than half of the total number of cattle and nearly two-thirds of the horses and the swine; but the South has a larger proportion of the mules, asses and burros, and goats than the North or the West; while the West has more than half of the sheep of the country. The territory west of the Mississippi River contains a larger number of each kind of animals than the territory east of the river.

Table 6 shows, for 1910 and 1900, the 10 states leading in the total value of live stock on farms and in the number of the several classes or groups of domestic animals, respectively, the states being arranged in the order of their rank.

The wide distribution of most classes of live stock is indicated by the fact that the 10 states which lead in the total value of live stock together report less than one-half of the total for the United States. Texas has been at the last two censuses the leading state with respect to the number of all cattle and the number of horses, mules, and asses and burros considered together. At both censuses New York has led with respect to the number of dairy cows, and Iowa with respect to the number of swine. Wyoming had the largest number of sheep and goats, taken together, in 1910, but Montana had the greatest number in 1900.

Table 6

Rank.	STATES LEADING IN VALUE OF ALL LIVE STOCK.				STATES LEADING IN NUMBER OF ANIMALS ON FARMS.									
	All cattle.		Dairy cows.		Horses, mules, and asses and burros.		Swine.		Sheep and goats.					
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
1	Iowa.....	Iowa.....	Texas.....	Texas.....	New York.....	New York.....	Texas.....	Texas.....	Iowa.....	Iowa.....	Wyoming.....	Montana.....	Montana.....	Montana.....
2	Texas.....	Texas.....	Iowa.....	Iowa.....	Wisconsin.....	Iowa.....	Illinois.....	Illinois.....	Illinois.....	Illinois.....	Montana.....	New Mexico.....	New Mexico.....	New Mexico.....
3	Illinois.....	Illinois.....	Kansas.....	Kansas.....	Iowa.....	Illinois.....	Iowa.....	Iowa.....	Missouri.....	Missouri.....	Ohio.....	Wyoming.....	Wyoming.....	Wyoming.....
4	Missouri.....	Kansas.....	Nebraska.....	Oklahoma.....	Minnesota.....	Wisconsin.....	Missouri.....	Missouri.....	Indiana.....	Nebraska.....	New Mexico.....	New Mexico.....	New Mexico.....	New Mexico.....
5	Kansas.....	Missouri.....	Nebraska.....	Nebraska.....	Illinois.....	Pennsylvania.....	Kansas.....	Kansas.....	Nebraska.....	Nebraska.....	Utah.....	Utah.....	Utah.....	Utah.....
6	Nebraska.....	Nebraska.....	Missouri.....	Illinois.....	Texas.....	Texas.....	Ohio.....	Ohio.....	Ohio.....	Kansas.....	Texas.....	Texas.....	Texas.....	Texas.....
7	Ohio.....	Ohio.....	Illinois.....	Missouri.....	Pennsylvania.....	Ohio.....	Oklahoma.....	Kansas.....	Ohio.....	Kansas.....	Oregon.....	Oregon.....	Oregon.....	Oregon.....
8	New York.....	New York.....	New York.....	New York.....	Ohio.....	Missouri.....	Indiana.....	Texas.....	Texas.....	Texas.....	California.....	California.....	California.....	California.....
9	Indiana.....	Indiana.....	Minnesota.....	Wisconsin.....	Missouri.....	Minnesota.....	Minnesota.....	Oklahoma.....	Wisconsin.....	Wisconsin.....	Michigan.....	Michigan.....	Michigan.....	Michigan.....
10	Minnesota.....	Pennsylvania.....	California.....	Ohio.....	Michigan.....	Kansas.....	Minnesota.....	Kentucky.....	Wisconsin.....	Tennessee.....	Missouri.....	Missouri.....	Missouri.....	Texas.....

## LIVE STOCK ON FARMS—VALUE OF THE SEVERAL CLASSES, BY DIVISIONS AND STATES: 1910 AND 1900.

[A minus sign (—) denotes decrease.]

Table 7 DIVISION OR STATE.	ALL LIVE STOCK. <sup>1</sup>			DOMESTIC ANIMALS.			POULTRY.			BEES.		
	1910	1900	Percent of increase.	1910	1900	Percent of increase.	1910	1900	Percent of increase.	1910	1900	Percent of increase.
<b>United States</b> ...	<b>\$4,925,173,610</b>	<b>\$3,075,477,703</b>	<b>60.1</b>	<b>\$4,760,060,093</b>	<b>\$2,979,197,586</b>	<b>59.8</b>	<b>\$154,663,220</b>	<b>\$85,807,818</b>	<b>80.2</b>	<b>\$10,373,615</b>	<b>\$10,178,087</b>	<b>1.9</b>
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	97,806,833	74,826,332	30.8	92,462,323	70,994,088	30.2	5,238,461	3,611,668	43.0	195,959	206,151	-4.9
Middle Atlantic.....	349,159,535	245,635,528	42.1	336,213,413	234,366,768	40.9	17,775,385	10,095,094	76.1	1,166,587	1,164,531	0.2
East North Central.....	976,329,922	694,633,707	61.5	935,456,253	581,889,463	60.8	39,070,908	20,819,906	87.7	1,809,931	1,897,163	-5.1
West North Central.....	1,551,708,097	972,343,643	59.6	1,505,717,901	948,086,154	58.8	44,226,368	22,596,723	95.7	1,729,683	1,698,512	7.5
South Atlantic.....	306,534,152	104,362,808	88.6	351,328,058	184,152,273	90.8	13,031,507	8,545,899	59.5	1,574,577	1,664,636	-5.4
East South Central.....	309,034,607	213,320,732	73.0	356,043,964	203,784,314	74.7	11,873,198	8,063,673	47.2	1,117,185	1,439,835	-23.5
West South Central.....	589,537,078	404,138,495	46.3	576,926,692	394,471,373	46.3	11,910,631	7,612,990	56.5	997,825	1,033,562	-5.3
Mountain.....	388,746,520	243,836,888	59.4	383,272,141	241,842,845	58.5	4,156,963	1,362,014	241.9	784,656	492,539	59.2
Pacific.....	235,926,876	123,379,580	91.2	228,639,348	119,610,608	91.1	6,279,709	3,099,851	102.6	1,006,852	631,108	39.5
<b>NEW ENGLAND:</b>												
Maine.....	25,161,839	17,106,034	47.1	23,989,561	16,298,422	47.2	1,131,921	756,153	49.7	40,357	51,459	-21.6
New Hampshire.....	11,910,478	10,554,646	12.8	11,237,764	10,062,877	11.7	649,121	467,104	39.0	23,363	24,665	-4.3
Vermont.....	22,642,766	17,841,317	26.9	21,990,630	17,373,169	26.6	667,787	421,195	44.3	44,349	46,953	-5.5
Massachusetts.....	20,741,366	15,798,046	31.3	19,208,712	14,730,169	30.4	1,492,961	1,018,119	46.6	39,683	35,751	11.0
Rhode Island.....	3,276,472	2,593,659	26.3	2,902,316	2,281,817	27.2	308,018	205,947	20.6	6,138	6,795	-9.7
Connecticut.....	14,163,902	10,932,212	29.6	13,133,340	10,247,634	28.2	988,658	644,650	53.5	41,839	40,528	3.2
<b>MIDDLE ATLANTIC:</b>												
New York.....	183,090,844	125,583,715	45.8	174,560,658	120,673,101	44.7	7,879,358	4,310,755	82.8	646,848	593,784	8.9
New Jersey.....	24,588,639	17,612,620	39.6	22,325,469	16,209,548	37.2	2,221,610	1,300,833	70.8	41,560	39,219	6.0
Pennsylvania.....	141,480,052	102,439,183	38.1	133,327,286	97,424,119	36.9	7,674,387	4,483,486	71.2	478,179	531,578	-10.0
<b>EAST NORTH CENTRAL:</b>												
Ohio.....	197,332,112	125,954,616	56.7	187,523,324	120,466,134	55.7	9,332,672	5,085,921	87.4	275,726	402,561	-31.5
Indiana.....	173,860,101	109,550,761	58.7	165,867,178	105,048,528	57.9	7,762,015	4,222,409	83.8	230,478	278,864	-17.4
Illinois.....	308,804,431	193,758,037	59.7	296,619,153	186,856,020	58.7	11,696,650	6,415,033	82.3	487,733	486,164	0.3
Michigan.....	137,803,793	79,042,644	74.3	131,746,348	75,997,051	73.4	5,610,958	2,635,829	108.9	446,464	352,469	26.7
Wisconsin.....	158,529,485	96,327,649	64.6	153,700,250	93,521,430	64.3	4,468,703	2,420,714	85.4	360,530	377,105	-4.4
<b>WEST NORTH CENTRAL:</b>												
Minnesota.....	161,641,146	89,063,097	81.5	156,771,555	86,620,643	81.0	4,646,960	2,274,649	104.3	221,781	167,280	32.6
Iowa.....	393,003,196	278,820,096	40.9	380,201,586	271,844,034	39.9	12,209,881	6,535,464	87.7	517,329	443,923	16.5
Missouri.....	288,839,108	160,540,094	78.0	273,366,662	155,263,363	77.2	11,870,972	5,720,359	107.5	584,549	508,217	15.0
North Dakota.....	108,249,866	62,430,491	75.1	106,761,317	61,931,659	154.5	1,485,463	477,358	211.2	3,086	1,474	109.4
South Dakota.....	127,229,200	65,173,432	95.2	124,841,010	64,287,578	94.2	2,356,465	856,966	175.0	31,650	10,088	213.7
Nebraska.....	222,222,004	145,349,587	52.9	217,849,050	142,700,629	52.6	4,219,158	2,374,930	77.7	152,676	199,563	-23.5
Kansas.....	253,523,577	190,956,936	32.8	245,926,421	186,317,248	32.0	7,377,469	4,356,997	69.3	218,612	277,967	-21.4
<b>SOUTH ATLANTIC:</b>												
Delaware.....	6,817,123	4,111,054	65.8	6,243,368	3,733,333	67.2	560,146	337,475	56.7	13,609	20,244	-32.8
Maryland.....	32,570,134	20,855,877	56.2	30,649,961	19,636,844	56.1	1,855,570	1,158,020	60.5	61,663	61,013	1.0
District of Columbia.....	152,840	125,826	22.0	145,572	122,019	19.3	6,477	3,108	108.4	790	199	297.0
Virginia.....	74,891,438	42,026,737	78.2	71,192,843	39,831,532	78.7	3,395,962	1,866,765	80.0	302,623	308,417	-1.9
West Virginia.....	43,336,073	20,571,259	41.8	41,318,436	29,231,832	41.3	1,628,706	963,805	69.0	388,937	375,622	3.5
North Carolina.....	62,649,984	30,106,173	108.1	60,050,731	28,242,147	112.6	2,212,570	1,434,158	54.3	386,683	429,868	-10.0
South Carolina.....	45,131,380	20,199,859	123.4	43,790,143	19,167,229	128.5	1,206,615	889,953	35.6	134,622	142,677	-5.6
Georgia.....	80,393,993	35,200,507	128.4	78,118,098	33,409,683	133.2	2,088,653	1,458,055	43.3	187,242	242,769	-22.9
Florida.....	20,591,187	11,166,016	84.4	19,818,905	10,687,632	85.4	673,814	394,557	70.8	98,468	83,827	17.5
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	117,486,662	73,739,106	59.3	112,605,412	70,488,187	59.8	4,461,871	2,723,221	63.8	419,379	527,098	-20.4
Tennessee.....	110,706,078	60,818,005	80.6	106,608,122	58,043,895	83.7	3,757,337	2,275,864	65.1	340,619	486,536	-30.0
Alabama.....	65,594,834	36,165,791	81.7	63,574,674	34,840,832	84.8	1,807,239	1,049,269	28.2	212,921	287,598	-26.0
Mississippi.....	75,247,033	42,607,222	76.4	73,255,756	40,343,300	79.4	1,846,751	1,055,119	11.6	144,226	158,603	-9.1
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	74,058,292	37,483,771	97.6	71,794,486	35,739,425	100.9	2,063,432	1,540,006	34.0	200,049	204,340	-2.1
Louisiana.....	44,099,485	28,609,560	54.8	43,314,683	27,757,301	56.0	1,326,614	1,057,889	25.4	58,188	54,316	7.1
Oklahoma.....	152,432,792	96,208,263	58.4	148,652,983	94,746,713	56.9	3,713,943	2,416,127	162.3	64,261	24,423	41.5
Texas.....	318,646,569	240,576,955	32.5	313,164,540	236,227,934	32.6	4,806,642	3,598,908	33.6	675,827	749,483	-9.9
<b>MOUNTAIN:</b>												
Montana.....	85,663,187	52,161,833	64.2	84,999,659	51,724,113	64.3	628,436	296,806	111.7	32,112	8,139	294.5
Idaho.....	49,775,309	21,657,974	129.8	49,076,971	21,389,583	129.4	598,190	203,127	194.5	100,148	64,994	54.1
Wyoming.....	65,005,510	39,145,877	67.6	65,384,559	39,080,158	67.3	194,078	60,397	221.3	20,493	5,322	285.1
Colorado.....	70,161,344	49,954,311	40.5	68,840,485	49,359,781	39.5	1,012,251	393,219	157.4	308,008	195,096	58.2
New Mexico.....	43,494,679	31,727,400	37.1	43,191,913	31,644,179	36.5	256,466	62,419	310.9	46,300	20,502	122.6
Arizona.....	26,050,870	15,545,487	67.6	24,376,530	15,375,286	58.5	1,545,966	103,298	1,396.7	104,374	66,603	56.7
Utah.....	28,781,691	21,474,241	34.0	28,330,215	21,175,867	33.8	327,908	186,922	75.4	123,568	111,452	10.9
Nevada.....	19,213,930	12,169,565	57.9	19,071,809	12,093,608	57.7	93,668	55,826	67.8	49,453	20,131	140.7
<b>PACIFIC:</b>												
Washington.....	48,865,110	22,159,207	120.5	47,370,775	21,437,528	121.0	1,367,440	614,838	122.4	126,895	106,841	18.8
Oregon.....	59,461,828	33,917,048	75.3	58,243,921	33,172,342	75.6	1,067,743	562,524	83.3	150,164	160,382	-6.4
California.....	127,599,938	67,303,325	89.6	123,024,652	65,000,738	89.3	3,844,526	1,902,489	102.1	729,793	363,885	100.6

<sup>1</sup> Totals include a small amount for the value of special classes of animals (buffaloes, deer, etc.) not included under "domestic animals." <sup>2</sup> Includes Indian Territory.

## CATTLE ON FARMS.

United States as a whole.—Comparisons between the censuses of 1910 and 1900 with reference to the statistics of cattle are rendered difficult, not only by the change in the date of enumeration, already mentioned, but by changes in the definitions of the several classes of cattle which seemed necessary in view of the change in the date of enumeration.<sup>1</sup>

The tabular statement below shows the exact designations of the various classes as they appeared upon the schedules for the two censuses, and the number reported in each class. The age limits, expressed in months, which correspond to the dates specified in 1910, and the limits, expressed in date of birth, which correspond to the ages specified in 1900, are also stated. For purposes of comparison it is necessary to combine all steers and bulls at both censuses.

Table 8 1910 (APRIL 15).			1900 (JUNE 1).			CLASSES FOR COMPARISON.				
Class as defined in schedule.	Corresponding age limits.	Number.	Class as defined in schedule.	Corresponding limits of date of birth.	Number.	Designation in comparative tables.	Number.		Nominal increase. <sup>1</sup>	
							1910	1900	Number.	Per cent.
<b>Total.....</b>		<b>61,803,866</b>	<b>Total.....</b>		<b>67,719,410</b>	<b>Total.....</b>	<b>61,803,868</b>	<b>67,719,410</b>	<b>-5,915,544</b>	<b>-8.7</b>
Cows and heifers kept for milk born before Jan. 1, 1909.	Over 15½ months.	20,625,432	Cows kept for milk 2 years old and over.	Before June 1, 1898.	17,135,633	Dairy cows.....	20,625,432	17,135,633	3,489,799	20.4
Cows and heifers not kept for milk born before Jan. 1, 1909.	Over 15½ months.	12,023,682	Cows and heifers not kept for milk 2 years old and over.	Before June 1, 1898.	11,559,194	Other cows.....	12,023,682	11,559,194	464,488	4.0
Heifers born in 1909.....	3½ to 15½ months.	7,295,880	Heifers 1 and under 2 years.	June 1, 1898, to June 1, 1899.	7,174,483	Heifers.....	7,295,880	7,174,483	121,397	1.7
Steers and bulls born before Jan. 1, 1909.	Over 15½ months.	7,598,258	Steers 1 year and over.	Before June 1, 1899.	1,315,132	Steers and bulls.	13,048,547	16,534,518	-3,485,971	-21.1
Steers and bulls born in 1909.	3½ to 15½ months.	5,450,289	Steers 1 and under 2 years.	June 1, 1898, to June 1, 1899.	8,266,273	Calves.....	7,806,539	15,315,582	-7,509,043	-49.0
Calves born after Jan. 1, 1910.	Under 3½ months.	7,806,539	Calves under 1 year.	June 1, 1899, to June 1, 1900.	6,953,113					

<sup>1</sup> A minus sign (—) denotes decrease.

With respect to the total number of cattle, the comparability of the returns is affected only by the change in the date of enumeration from June 1 at the Twelfth Census to April 15 at the Thirteenth Census. The period of six weeks between April 15 and June 1 is, however, one in which an exceedingly large number of calves are born. There were at least as many cows to produce calves in 1910 as in 1900 (probably somewhat more), so that presumably had the enumeration of 1910 been made as of June 1 there would have been at least as many calves less than 1 year old as there were in 1900, namely, 15,316,000. Much the greater part of these would have consisted of calves born between January 1 and June 1, 1910, as many more calves are born during the first five months of the year than during the last seven months, and, moreover, of those born in the later months of the year a much larger proportion would be slaughtered by June 1. It is reasonable to suppose, therefore, that had the

enumeration of 1910 been made as of June 1, there would have been twelve or thirteen million calves reported as born during 1910, or five or six million more than were actually reported on April 15 as born during that year (7,807,000). On the other hand, a certain number—probably one or two million—of the older cattle would have been slaughtered or otherwise eliminated between April 15 and June 1, so that the net addition to the total number of cattle on June 1 would have been perhaps four or five million.

Instead, therefore, of a decrease in the total number of cattle from 67,719,000 on June 1, 1900, to 61,804,000 on April 15, 1910 (a decrease of 5,916,000, or 8.7 per cent), there would probably have been a decrease of not more than three million, and possibly not over one million, had the enumeration of 1910 been made as of June 1. Even a comparatively small decrease in the number of cattle, however, is significant when considered in connection with the increase of 21 per cent in population during the decade.

The number of dairy cows reported in 1910 was 20,625,000, and the number reported in 1900 was 17,136,000, so that there was a nominal increase of 20.4 per cent. The number of dairy cows, however, as reported at the census of 1910, includes all born prior to January 1, 1909, or, in other words, all over 15½ months old, while the class in 1900 included only those 2 years of age or over. It would be necessary, in order to make the 1910 figures exactly comparable with the 1900 figures, first, to subtract from the number of cows reported on April 15, 1910, the number of those cows which were born between June 1, 1908, and January 1, 1909, since these would have been counted as heif-

<sup>1</sup> At the census of 1900 the ages of cattle, as well as of other domestic animals, were stated in years—for example, less than 1 year old, 1 to 2 years, 2 years and over. This method of reporting probably gave reasonably accurate results when the date of enumeration was June 1, but had it been employed when the date of enumeration was April 15 the results would have been unsatisfactory. That date is in the very middle of the period when the greater number of animals are born. Farmers of course do not keep accurate records of the ages of their animals, and many would have found it impossible to state on April 15, 1910, which animals were under or over 1 year or 2 years of age. Moreover, a classification which would divide a group of animals born during the same spring and put some in one class and some in another would obviously be unsatisfactory. It was therefore considered necessary at the census of 1910 to base the classification of age upon calendar years, calling for all animals born after, during, or before the year 1909, respectively. This involved radical changes in the age limits of some of the groups, as compared with those employed in 1900.

ers if the age classification had been the same, as at the census of 1900; and, second, to subtract also the number of such cows slaughtered or otherwise eliminated between April 15 and June 1, 1910. Neither of these deductions would be large, and it is certain that, after making all necessary allowances, there was a very considerable increase in the number of dairy cows.

Cows and heifers not kept for milk increased nominally by 4 per cent during the decade, but in the absence of any change in the date of enumeration or the method of classification, some little decrease would possibly have appeared in this group.

The number of animals classed as steers and bulls declined from 16,535,000 in 1900 to 13,049,000 in 1910, or 21.1 per cent, and had there been no change in the date of enumeration or method of classification the decline would have been even greater. The number of heifers at the two censuses is approximately comparable, since in each case it includes the animals born during a 12-month period. This class shows very little change in numbers between the two censuses.

Taken as a whole, the census returns show that the dairy industry is increasing in importance, while the business of raising cattle for slaughter is declining.

Table 9 shows, for 1910 and 1900, the value of the principal classes of cattle, as well as the number of farms reporting each class in 1910.

There was a very considerable increase in the total value of dairy cows, but a decrease in the value of all the other classes shown in the table.

Table 9	All cattle (including calves).	Dairy cows.	Other cows.	Heifers.	Steers and bulls.
1910—Number .....	1 61,803,866	20,625,432	12,023,682	7,295,880	13,049,547
Value .....	\$1,499,523,407	\$706,236,307	\$269,140,193	\$103,194,026	\$347,901,174
Average value .....	24.26	\$34.24	\$22.39	\$14.14	\$26.66
Farms report'g .....	5,284,916	5,140,869	1,444,773	2,374,507	.....
Per cent of all farms .....	83.1	80.8	22.7	37.3	.....
1900—Number .....	67,719,410	17,135,633	11,559,194	7,174,483	16,534,518
Value .....	\$1,475,204,433	\$508,616,591	\$271,302,683	\$121,528,076	\$436,407,373
Average value .....	\$21.75	\$29.68	\$23.47	\$16.94	\$26.40

<sup>1</sup> Includes 1,033,780 unclassified cattle, valued at \$21,631,774.

**Divisions and states.**—Table 14 (pages 316 and 317) shows, for each geographic division and each state, the number and value of the several classes of cattle on farms at the last two censuses. Table 10 below shows the percentage distribution of each class among the divisions and sections, and also the average number of all cattle (excluding calves) and of dairy cows per 1,000 acres of land in farms and of improved farm land. The distribution of calves is not shown, because the difference in climate so affects the relative number of calves born before April 15 in the different divisions that such a distribution would not represent normal conditions.

Table 10

DIVISION OR SECTION.	PER CENT OF TOTAL NUMBER IN THE UNITED STATES.																AVERAGE NUMBER PER 1,000 ACRES OF ALL LAND IN FARMS.				AVERAGE NUMBER PER 1,000 ACRES OF IMPROVED LAND IN FARMS.			
	All cattle.		All cattle (excluding calves).		Dairy cows.		Other cows.		Heifers.		Steers and bulls.		All cattle (excluding calves).		Dairy cows.		All cattle (excluding calves).		Dairy cows.		All cattle (excluding calves).		Dairy cows.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
United States .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	61	63	23	20	113	126	43	41	116	110	110	110
New England .....	2.2	2.4	2.2	2.5	4.1	5.2	0.8	0.6	1.9	2.9	0.7	0.9	59	64	43	43	161	162	116	116	116	110	110	110
Middle Atlantic .....	6.8	7.0	6.5	7.2	12.6	15.2	2.1	1.3	5.8	8.1	2.0	2.6	82	81	60	58	101	102	112	112	89	85	85	85
East North Central .....	15.9	15.6	15.5	15.1	23.4	23.1	7.0	4.5	17.5	16.4	10.9	13.5	71	68	41	34	94	91	144	144	144	144	144	144
West North Central .....	28.6	29.7	28.4	29.4	25.8	26.4	23.8	23.9	30.1	29.9	37.6	36.2	66	77	23	23	93	114	32	32	33	33	33	33
South Atlantic .....	7.8	6.5	7.9	6.7	8.8	8.1	7.6	5.6	7.5	6.0	6.7	6.2	41	34	17	13	88	76	37	37	39	39	39	39
East South Central .....	6.4	5.4	6.4	5.2	7.9	7.4	4.2	2.3	7.3	5.2	6.0	5.0	42	34	20	16	79	68	37	37	31	31	31	31
West South Central .....	17.3	21.0	17.5	21.2	10.9	9.5	25.8	37.6	15.9	18.8	19.4	22.7	56	63	13	9	162	279	39	41	41	41	41	41
Mountain .....	9.8	8.7	10.4	9.1	2.5	1.9	21.6	19.5	9.2	8.8	11.6	9.4	95	103	9	7	354	567	32	39	39	39	39	39
Pacific .....	5.2	3.8	5.2	3.7	4.0	3.1	7.1	4.7	4.8	3.8	5.2	3.5	55	41	16	11	127	103	38	38	29	29	29	29
The North .....	53.5	54.6	52.6	54.2	65.9	70.0	37.7	30.3	55.3	57.4	51.1	53.1	69	74	33	31	98	109	47	46	46	46	46	46
The South .....	31.6	32.9	31.8	33.0	27.6	25.0	37.6	45.5	30.7	30.0	32.1	34.0	48	48	16	12	114	137	38	34	34	34	34	34
The West .....	15.0	12.5	15.6	12.8	6.5	5.1	28.7	24.2	14.0	12.6	16.8	12.9	76	71	12	9	222	247	35	32	32	32	32	32
East of the Mississippi .....	39.1	36.9	38.5	36.6	56.8	59.0	21.7	14.3	40.0	38.7	26.2	28.2	57	52	32	28	95	91	54	48	48	48	48	48
West of the Mississippi .....	60.9	63.1	61.5	63.4	43.2	41.0	78.3	85.7	60.0	61.3	73.8	71.8	65	71	17	15	128	164	34	35	35	35	35	35

The West North Central division ranked first in number of all cattle (excluding calves) in 1910, with 28.4 per cent of the total number, followed by the West South Central, with 17.5 per cent, and the East North Central, with 15.5 per cent.

The distribution of dairy cows was somewhat different from that of the other classes of cattle. The West North Central division ranked first, reporting 25.8 per cent of the total number in 1910, but was very closely followed by the East North Central. The Middle Atlantic and West South Central divisions ranked third and fourth.

In the North were found 52.6 per cent of the total number of cattle (excluding calves) in 1910, and 65.9

per cent of the dairy cows; in the South, 31.8 per cent and 27.6 per cent, respectively; and in the West, 15.6 per cent of the total number of cattle (excluding calves), but only 6.5 per cent of the dairy cows.

The average number of all cattle (excluding calves) per 1,000 acres of land in farms was highest in the Mountain division, 95, the Middle Atlantic division following closely, with 82, while the South Atlantic division shows the lowest average, 41. This average is exaggerated in the Mountain division, where considerable tracts used for grazing are not reported as in farms. The divisions ranked very differently, however, with respect to the average number of dairy cows per 1,000 acres.

The following statement, based on Table 14, shows the increase or decrease in the number of each class of cattle between June 1, 1900, and April 15, 1910. The figures of the two censuses for all cattle (excluding

calves) are somewhat more nearly comparable than those for all cattle, but are not exactly comparable, the figures for 1910 being relatively somewhat too high. (see below).

Table 11

INCREASE IN NUMBER, JUNE 1, 1900, TO APRIL 15, 1910.<sup>1</sup>

DIVISION OR SECTION.	All cattle.		All cattle (excluding calves).		Dairy cows.		Other cows.		Heifers.		Calves.		Steers and bulls.	
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
United States.....	5,915,544	-8.7	1,593,493	3.0	3,489,798	20.4	464,488	4.0	121,397	1.7	7,509,643	-49.0	-3,485,971	-21.1
New England.....	-270,065	-16.8	-148,016	-11.2	-51,780	-5.8	34,940	52.4	-69,396	-33.2	-122,049	-42.1	-61,810	-41.9
Middle Atlantic.....	-500,099	-10.6	-234,450	-6.2	-5,135	-0.2	97,357	62.7	-164,090	-28.1	-266,229	-27.5	-162,631	-38.5
East North Central.....	715,217	-6.8	482,170	6.1	867,046	21.9	317,991	61.2	60,303	8.4	1,195,887	-45.2	-802,168	-36.0
West North Central.....	-2,441,385	-12.2	-96,683	-0.6	799,803	17.7	99,197	3.6	48,477	2.3	-2,344,702	-50.2	-1,079,305	-18.0
South Atlantic.....	407,571	9.2	773,811	22.2	427,435	30.9	298,026	41.7	112,657	26.0	-366,280	-38.9	-163,661	-15.9
East South Central.....	274,005	7.5	730,249	26.7	363,779	28.8	242,740	92.1	160,718	43.2	-456,249	-48.6	-47,420	-5.7
West South Central.....	-3,481,130	-24.5	-1,645,548	-14.8	614,599	37.6	-1,345,669	-28.6	-189,165	-14.0	-1,835,582	-59.0	-1,224,413	-32.6
Mountain.....	144,826	2.4	865,778	18.2	184,862	56.1	343,352	15.3	40,198	6.4	-720,952	-62.5	-42,751	-2.8
Pacific.....	664,550	26.2	866,208	44.7	289,191	53.9	366,581	56.2	82,547	30.5	-201,658	-33.4	98,188	16.8
The North.....	-3,925,366	-10.6	3,001	(?)	1,609,933	13.4	549,455	15.7	-85,618	-2.1	-3,928,367	-45.8	-2,105,914	-24.0
The South.....	-2,799,554	-12.6	-141,488	-0.8	1,465,813	32.8	-734,903	-14.0	84,270	3.9	-2,658,066	-53.3	-1,435,494	-25.5
The West.....	809,376	9.6	1,731,986	25.9	474,053	54.7	649,936	23.2	122,745	13.6	-922,610	-52.5	55,437	2.6
East of the Mississippi.....	-802,405	-3.2	1,607,744	8.4	1,601,344	15.8	961,029	58.3	139,280	5.0	-2,406,149	-41.6	-1,237,690	-26.6
West of the Mississippi.....	-5,110,139	-12.0	-10,245	(?)	1,888,455	26.9	-496,536	-5.0	-17,883	-0.4	-5,102,894	-53.5	-2,248,281	-29.9

<sup>1</sup> A minus sign (-) denotes decrease.<sup>2</sup> Less than one-tenth of 1 per cent.

The total number of cattle (excluding calves) increased in the East North Central, South Atlantic, East South Central, Mountain, and Pacific divisions, but decreased in the other four divisions.

Table 12

AVERAGE VALUE PER HEAD.

DIVISION.	All cattle.		All cattle (excluding calves).		Dairy cows.		Other cows.		Heifers.		Calves.		Steers and bulls.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
United States:	\$24.26	\$26.81	\$34.24	\$22.39	\$14.14	\$8.66	\$26.66	\$8.98	\$26.66	\$8.98	\$26.66	\$8.98	\$26.66	\$8.98
1910.....	24.26	26.81	34.24	22.39	14.14	8.66	26.66	8.98	26.66	8.98	26.66	8.98	26.66	8.98
1900.....	21.78	25.53	29.68	23.47	18.94	8.98	26.66	8.98	26.66	8.98	26.66	8.98	26.66	8.98
New England:	31.60	35.29	39.60	23.37	15.03	5.98	40.02	27.72	31.60	35.29	39.60	23.37	15.03	5.98
1910.....	24.21	28.04	31.52	23.63	14.82	6.82	27.72	31.60	35.29	39.60	23.37	15.03	5.98	40.02
1900.....	32.77	37.96	43.25	25.53	16.83	6.66	31.25	23.87	28.28	32.15	24.80	15.97	6.74	22.74
Middle Atlantic:	27.70	31.28	37.12	26.66	15.78	7.70	28.11	23.23	28.21	31.35	29.41	18.28	8.39	27.62
1910.....	25.48	28.32	33.25	26.81	14.94	6.32	29.82	25.30	29.69	31.64	29.68	19.97	10.78	31.71
1900.....	18.50	20.22	26.39	13.32	10.31	5.74	22.16	14.97	17.52	21.97	11.42	10.62	5.51	18.23
South Atlantic:	19.13	21.02	26.97	15.60	10.06	5.51	19.74	16.97	20.58	24.19	17.70	12.70	6.47	19.53
1910.....	18.96	20.65	26.30	18.61	11.70	6.43	22.12	17.68	20.20	23.03	19.96	13.95	8.71	21.48
1900.....	24.13	25.35	30.60	23.89	16.36	8.30	27.41	22.56	25.35	35.77	24.72	18.51	11.04	26.83
Mountain:	25.76	28.44	39.81	25.17	15.66	7.06	26.43	22.54	26.87	35.22	25.73	18.01	8.66	24.36
1910.....	25.76	28.44	39.81	25.17	15.66	7.06	26.43	22.54	26.87	35.22	25.73	18.01	8.66	24.36
1900.....	22.54	26.87	35.22	25.73	18.01	8.66	24.36	22.54	26.87	35.22	25.73	18.01	8.66	24.36

Table 13

ALL CATTLE (EXCLUDING CALVES).

DAIRY COWS.

DIVISION.	ALL CATTLE (EXCLUDING CALVES).				DAIRY COWS.			
	1910	1900	1890	1880	1910	1900	1890	1880
United States.....	53,997,327	52,403,828	57,648,792	39,675,533	20,625,432	17,135,633	16,511,950	12,443,120
New England.....	1,168,328	1,316,544	1,411,852	1,503,452	841,698	893,478	822,001	746,656
Middle Atlantic.....	3,530,662	3,765,072	4,049,872	4,295,844	2,597,652	2,662,788	2,529,600	2,444,089
East North Central.....	8,369,644	7,887,474	9,033,132	7,629,040	4,829,527	3,902,481	3,752,237	2,990,852
West North Central.....	15,325,303	15,421,986	15,568,301	18,205,181	5,327,606	4,458,762	2,411,229	2,411,229
South Atlantic.....	4,264,112	3,490,301	3,890,107	3,951,728	1,810,754	1,383,319	1,369,466	1,280,761
East South Central.....	3,469,270	2,730,021	3,822,184	3,095,993	1,628,061	1,264,381	1,312,074	1,145,403
West South Central.....	9,447,815	11,093,363	11,077,962	16,619,740	2,249,553	1,634,954	1,517,583	1,002,037
Mountain.....	5,627,878	4,762,100	6,811,182	7,265,312	514,496	329,604	218,680	124,844
Pacific.....	2,808,175	1,936,967	2,384,200	1,611,243	826,115	556,924	502,078	297,249

<sup>1</sup> Includes estimated number of cattle on public ranges.

## CATTLE ON FARMS—NUMBER AND VALUE, BY AGE AND

[See text with reference to date of enumeration and change in classification.]

Table 11	DIVISION OR STATE.	ALL CATTLE.				DAIRY COWS.				OTHER COWS.			
		Number.		Value.		Number.		Value.		Number.		Value.	
		1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
1	United States	61,803,866	67,719,410	\$1,499,523,807	\$1,475,204,633	20,625,432	17,135,633	\$706,236,307	\$608,816,501	12,023,682	11,559,194	\$289,160,193	\$271,302,682
2	GEORGIC DIV.												
3	New England	1,336,550	1,606,615	42,240,849	38,901,949	841,688	893,478	33,333,262	28,162,946	101,559	66,619	2,373,332	1,573,973
4	Middle Atlantic	4,252,521	4,733,220	138,685,253	112,997,472	2,597,652	2,602,788	112,338,529	83,676,301	252,577	155,250	6,447,422	3,849,692
5	E. North Central	9,819,097	10,332,314	271,944,120	244,710,351	4,829,527	3,962,481	179,274,884	124,214,431	837,880	519,889	22,341,550	15,291,227
6	W. North Central	17,647,714	20,089,099	1,449,654,307	508,193,536	5,327,606	4,527,803	177,116,333	143,239,750	2,865,372	2,766,175	76,808,285	82,092,750
7	South Atlantic	1,483,321	4,431,750	189,539,532	66,321,262	1,810,754	1,383,319	47,779,085	30,336,379	910,106	642,080	12,122,883	7,329,861
8	E. South Central	1,942,326	3,068,521	1,557,401,279	62,253,299	1,628,051	1,264,282	43,297,866	30,576,691	306,234	263,494	7,807,542	4,664,610
9	W. South Central	10,721,012	14,262,142	1,203,239,500	251,117,313	2,249,553	1,634,964	59,165,583	37,611,230	3,103,235	4,348,904	57,740,079	86,821,688
10	Mountain	1,600,725	5,915,899	1,146,269,549	133,449,400	514,466	329,604	20,418,519	11,790,181	2,594,190	2,550,838	61,970,884	55,634,378
11	Pacific	3,204,400	2,539,580	1,82,549,218	57,260,051	826,115	536,924	32,888,226	18,908,592	852,529	545,945	21,458,196	14,044,503
12	NEW ENGLAND:												
13	Maine	256,523	338,847	7,784,384	7,585,545	156,819	173,592	5,874,228	5,000,048	17,975	12,483	393,765	272,017
14	New Hampshire	167,831	226,792	5,240,122	5,546,630	101,278	115,036	3,916,441	3,615,534	16,175	13,102	372,250	319,086
15	Vermont	430,314	501,940	11,528,892	10,528,795	265,483	270,194	9,527,660	7,740,908	27,612	21,715	586,806	472,574
16	Massachusetts	252,416	285,944	9,348,076	8,130,917	171,936	184,562	7,815,701	6,546,954	20,100	9,946	512,881	262,090
17	Rhode Island	34,148	36,034	1,309,088	1,165,797	23,329	23,600	1,089,074	937,137	2,524	1,379	66,703	38,003
18	Connecticut	195,318	217,058	6,730,287	5,944,265	122,853	126,434	5,110,158	4,262,545	17,173	7,994	441,487	209,903
19	MIDDLE ATLANTIC:												
20	New York	2,423,003	2,506,389	83,062,242	62,735,174	1,509,594	1,501,608	68,110,608	48,694,512	138,461	98,466	3,739,506	2,393,248
21	New Jersey	222,999	239,984	8,393,117	7,199,107	154,418	157,407	7,141,572	5,840,228	14,896	7,977	423,250	235,183
22	Pennsylvania	1,586,519	1,806,847	47,229,894	43,063,191	933,640	943,773	36,106,349	21,141,561	29,480	22,807	2,884,666	1,221,261
23	E. NORTH CENTRAL:												
24	Ohio	1,837,607	2,053,313	51,403,341	46,560,246	905,125	813,239	33,963,472	24,725,382	142,261	87,040	3,671,000	2,347,072
25	Indiana	1,363,016	1,684,478	39,110,492	40,964,524	633,591	574,276	23,898,428	18,285,504	133,709	88,619	3,720,123	2,777,104
26	Illinois	2,440,577	3,104,010	73,454,745	82,170,907	1,050,223	1,007,664	41,189,997	34,279,218	281,957	228,931	5,436,327	7,238,385
27	Michigan	1,497,823	1,376,408	40,500,318	28,165,256	707,683	563,905	29,312,252	17,281,805	106,801	46,205	2,579,623	1,197,893
28	Wisconsin	2,680,074	2,314,105	67,475,224	46,849,418	1,473,865	998,397	50,910,735	29,642,522	173,152	69,694	3,934,437	1,730,773
29	W. NORTH CENTRAL:												
30	Minnesota	2,347,435	1,871,325	50,306,372	36,248,958	1,085,388	753,632	33,276,653	21,513,337	218,948	68,565	4,616,179	1,689,694
31	Iowa	4,448,006	5,367,630	118,864,139	142,518,902	1,400,792	1,423,648	48,651,418	46,349,012	614,930	461,031	17,715,974	14,315,225
32	Missouri	2,561,482	2,978,589	73,883,664	75,656,807	856,430	765,360	30,620,097	23,514,794	306,681	324,198	8,692,733	9,252,117
33	North Dakota	743,762	637,434	17,711,368	15,810,637	259,173	125,033	8,738,468	4,078,546	119,510	108,146	3,262,904	3,425,103
34	South Dakota	1,535,276	1,546,800	36,257,234	37,847,933	369,764	270,634	11,502,951	8,400,518	341,959	270,285	9,232,917	7,991,874
35	Nebraska	2,932,350	3,176,243	73,074,057	82,469,498	613,952	512,544	20,029,378	17,192,110	705,191	674,025	18,885,179	20,552,720
36	Kansas	3,079,403	4,401,078	180,557,443	117,640,801	736,107	676,456	29,227,388	22,191,123	153,153	859,925	14,708,399	24,866,027
37	SOUTH ATLANTIC:												
38	Delaware	54,986	54,180	1,648,333	1,340,885	35,708	32,591	1,315,266	993,972	3,497	1,866	78,956	46,527
39	Maryland	287,751	292,616	7,969,526	6,853,121	166,859	147,284	5,580,210	4,339,777	18,816	9,490	413,661	218,441
40	Dist. of Columbia	982	1,462	75,305	54,471	857	1,251	68,535	50,399	.....	38	.....	950
41	Virginia	1,859,067	825,512	21,124,071	16,838,847	356,284	281,876	10,285,422	6,641,677	87,697	40,735	1,789,833	808,745
42	West Virginia	620,288	639,782	15,860,764	14,058,127	239,539	205,601	7,563,400	5,694,302	63,740	36,870	1,544,213	896,279
43	North Carolina	1,804,861	624,518	12,550,054	7,667,950	308,914	233,178	7,839,055	4,426,709	106,553	61,082	1,455,062	675,729
44	South Carolina	1,389,882	342,898	7,088,259	4,334,714	180,842	126,684	4,719,950	2,541,723	65,319	42,235	954,236	528,133
45	Georgia	1,080,316	899,491	14,060,938	8,828,498	405,710	276,024	8,386,700	4,658,971	245,303	164,052	2,496,331	1,470,135
46	Florida	1,845,188	751,261	19,262,262	6,344,349	116,041	78,830	2,020,547	1,048,849	319,181	285,712	3,390,621	2,684,922
47	E. SOUTH CENTRAL:												
48	Kentucky	1,000,937	1,063,248	25,971,571	24,987,741	409,834	364,025	13,726,018	10,518,031	101,232	51,745	2,289,579	1,359,424
49	Tennessee	1,966,929	912,183	20,690,718	15,401,051	397,104	321,676	11,999,755	8,137,474	119,718	49,560	2,097,049	961,527
50	Alabama	1,932,428	799,734	13,469,626	9,793,556	391,536	279,283	8,569,538	5,512,940	146,354	76,560	1,691,238	997,111
51	Mississippi	1,012,632	873,356	15,269,364	12,070,921	429,387	299,318	9,066,555	6,408,246	138,930	85,629	1,819,676	1,346,548
52	W. SOUTH CENTRAL:												
53	Arkansas	1,028,071	894,335	11,660,666	11,885,627	425,793	312,577	9,522,368	6,349,801	146,199	79,557	2,077,157	1,284,763
54	Louisiana	1,804,795	670,295	11,565,354	8,580,996	279,097	184,815	5,912,779	3,607,033	155,550	124,769	2,650,249	1,928,824
55	Oklahoma	1,953,560	73,209,116	43,187,601	6,421,786	530,796	276,539	16,072,968	7,699,609	304,165	174,098	6,489,690	16,946,775
56	Texas	1,934,586	9,428,106	132,985,879	163,228,904	1,013,867	861,023	27,657,528	19,935,327	2,469,321	3,368,880	46,522,983	66,661,626
57	MOUNTAIN:												
58	Montana	1,943,147	968,387	27,474,122	25,362,016	77,327	45,036	3,407,090	1,886,580	372,798	311,513	11,259,752	9,270,977
59	Idaho	1,453,807	363,534	11,330,639	8,389,954	86,299	51,929	3,434,134	1,797,122	148,907	100,606	3,713,295	2,765,853
60	Wyoming	1,767,427	687,284	22,697,387	19,393,191	32,669	18,272	1,387,273	720,693	307,189	244,859	9,410,305	7,931,927
61	Colorado	1,127,737	1,433,318	31,017,303	35,532,738	144,734	100,116	5,961,316	3,797,997	403,884	483,039	11,083,972	13,807,743
62	New Mexico	1,081,663	901,859	20,409,965	17,977,931	51,451	16,775	1,706,201	510,048	579,601	502,865	10,924,867	9,804,924
63	Arizona	1,824,929	742,635	14,624,708	11,367,466	28,862	17,965	1,273,076	577,693	384,091	357,719	6,742,626	5,901,964
64	Utah	1,412,334	343,690	18,948,702	7,152,844	75,810	65,905	2,586,544	2,037,367	185,174	96,849	4,017,265	2,352,533
65	Nevada	1,449,051	385,192	19,766,723	8,271,260	17,084	13,606	662,885	462,681	210,546	153,388	4,818,802	3,749,667
66	PACIFIC:												
67	Washington	4,022,120	394,923	12,193,465	9,440,028	186,233	107,232	7,988,133	4,076,189	58,140	58,395	1,530,758	1,722,503
68	Oregon	1,725,255	700,303	17,570,685	15,164,897	172,550	122,447	6,302,765	4,093,333	217,480	183,100	5,129,426	4,559,107
69	California	2,077,025	1,444,624	52,785,008	32,655,146	367,332	307,245	18,597,328	10,739,070	576,909	304,450	14,798,012	7,762,893

1 Includes unclassified animals.



# LIVE STOCK ON FARMS AND ELSEWHERE.

317

## SEX GROUPS, BY DIVISIONS AND STATES: 1910 AND 1900.

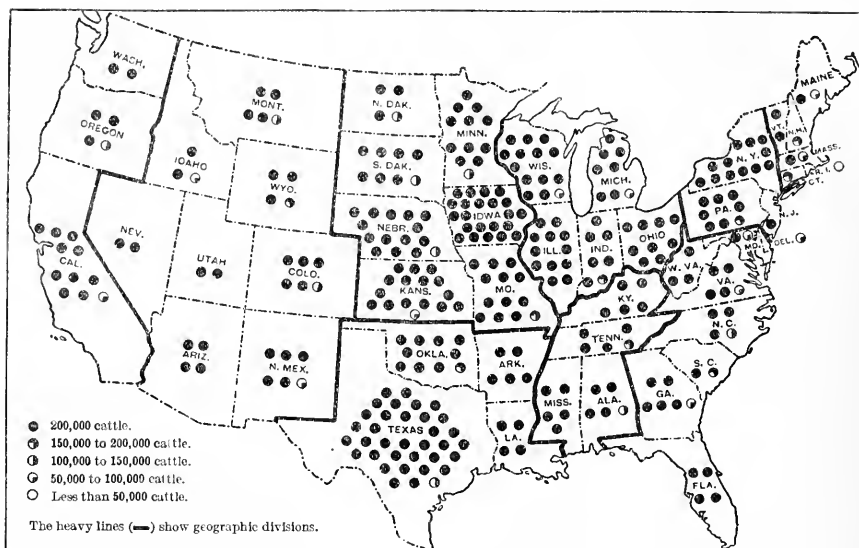
[See text with reference to date of enumeration and change in classification.]

Table 14—Continued.		YEARLING HEIFERS.				CALVES.				STEERS AND BULLS.			
DIVISION OR STATE.		Number.		Value.		Number.		Value.		Number.		Value.	
		1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
1	<b>United States.....</b>	7,295,880	7,174,483	\$103,194,026	\$121,528,076	7,806,539	15,315,582	\$52,000,133	\$177,290,001	13,048,547	16,534,518	\$347,901,174	\$438,467,373
<b>GEOGRAPHIC DIVISIONS:</b>													
2	New England.....	139,492	208,838	3,065,920	3,664,829	168,022	290,071	1,005,314	1,979,325	85,779	147,589	3,433,021	4,090,676
3	Middle Atlantic.....	420,046	584,076	7,069,138	9,327,584	701,919	968,148	4,676,025	6,526,958	290,327	422,958	8,134,119	9,616,937
4	East North Central.....	1,279,030	1,179,729	20,183,222	21,567,308	1,449,453	2,644,840	10,143,006	22,178,540	1,423,207	2,225,375	10,001,458	61,458,845
5	West North Central.....	2,193,979	2,145,962	32,779,162	42,836,754	2,322,411	4,667,113	15,965,540	50,322,843	4,903,201	5,982,566	146,300,766	189,701,439
6	South Atlantic.....	545,897	433,240	5,626,360	4,600,635	575,200	941,449	3,363,304	5,183,657	808,001	1,031,662	19,236,128	18,810,739
7	East South Central.....	532,815	372,097	5,358,607	4,726,549	482,256	938,500	2,654,890	6,071,611	782,728	830,148	15,438,820	16,213,598
8	West South Central.....	1,160,124	1,340,229	13,567,986	18,819,545	1,273,197	3,108,779	8,183,618	27,068,181	2,335,963	3,760,276	56,065,225	80,756,669
9	Mountain.....	670,920	630,722	10,975,173	11,672,879	432,847	1,133,799	3,593,978	12,736,954	1,568,185	1,550,936	41,337,910	41,615,008
10	Pacific.....	333,577	271,030	5,558,428	4,831,693	401,225	602,883	2,834,458	5,221,732	681,256	583,068	18,008,773	14,203,561
<b>NEW ENGLAND:</b>													
11	Maine.....	27,346	45,877	356,897	621,354	31,901	61,794	229,739	411,104	22,482	45,161	896,815	1,221,022
12	New Hampshire.....	17,932	29,574	266,545	462,468	18,603	40,434	123,908	305,895	13,843	28,646	560,973	843,827
13	Vermont.....	45,921	68,664	626,515	889,081	67,573	101,584	326,718	566,130	23,725	39,783	761,193	859,802
14	Massachusetts.....	24,587	34,452	430,164	587,080	25,571	43,621	167,200	357,542	10,222	13,363	432,630	377,251
15	Rhode Island.....	2,939	3,815	51,315	73,276	3,773	5,338	23,441	45,537	1,583	1,842	78,555	71,844
16	Connecticut.....	29,767	26,476	344,484	461,570	20,601	37,300	134,308	233,317	13,924	18,854	699,850	716,930
<b>MIDDLE ATLANTIC:</b>													
17	New York.....	234,728	335,844	4,186,454	5,151,703	438,329	507,140	2,785,121	3,114,954	161,891	153,331	3,240,553	3,350,757
18	New Jersey.....	17,625	23,609	334,080	470,484	27,934	39,685	217,613	349,937	8,126	11,366	276,602	363,275
19	Pennsylvania.....	167,693	224,623	2,548,694	3,705,295	255,656	421,323	1,673,291	3,032,067	150,310	258,321	4,616,964	5,962,905
<b>EAST NORTH CENTRAL:</b>													
20	Ohio.....	235,392	217,571	3,784,857	3,950,411	255,682	494,584	1,919,714	4,186,575	299,147	435,879	8,064,298	11,341,806
21	Indiana.....	190,545	193,193	3,119,858	3,640,138	184,153	428,109	1,525,445	4,197,097	231,018	410,281	6,846,638	12,044,081
22	Illinois.....	306,969	332,472	5,346,726	6,735,360	324,079	723,322	2,476,013	7,195,897	477,349	811,621	16,005,670	26,722,047
23	Michigan.....	205,000	161,174	3,034,174	2,685,813	236,050	375,482	1,544,581	2,900,467	182,889	229,642	4,029,648	4,509,274
24	Wisconsin.....	351,124	285,319	4,897,597	4,526,586	449,489	623,343	2,677,251	4,107,904	232,804	337,952	5,035,204	6,841,033
<b>WEST NORTH CENTRAL:</b>													
25	Minnesota.....	323,948	211,162	3,842,647	3,299,365	373,537	565,994	1,952,261	4,254,414	345,614	271,972	6,618,632	5,491,658
26	Iowa.....	564,219	592,076	8,714,358	12,242,609	569,003	1,290,279	3,836,951	14,413,585	1,263,062	1,600,596	39,945,438	55,198,471
27	Missouri.....	306,951	312,749	5,198,467	6,040,589	296,475	633,317	2,508,087	6,943,267	794,945	942,939	25,864,100	29,906,040
28	North Dakota.....	104,203	69,338	1,550,721	1,379,518	100,683	156,420	875,807	1,540,116	130,193	198,027	3,299,498	5,367,354
29	South Dakota.....	194,580	167,607	2,845,771	3,347,421	205,507	343,141	1,332,322	3,782,871	410,255	465,133	11,014,703	14,324,049
30	Nebraska.....	303,661	345,275	5,536,493	7,413,817	364,958	754,500	2,439,504	8,757,661	880,439	889,899	26,357,920	28,533,180
31	Kansas.....	336,417	447,295	5,080,525	9,112,935	382,248	923,462	2,640,408	10,650,929	1,048,673	1,583,940	33,110,415	50,839,787
<b>SOUTH ATLANTIC:</b>													
32	Delaware.....	5,260	5,753	83,928	91,933	7,153	9,363	72,031	83,940	3,398	4,987	96,152	124,513
33	Maryland.....	27,226	28,890	407,692	465,742	39,064	55,465	335,659	453,971	35,776	51,477	1,132,304	1,345,190
34	District of Columbia.....	50	76	1,742	1,357	52	69	1,366	605	23	28	3,662	1,160
35	Virginia.....	94,709	71,952	1,232,807	1,029,057	83,926	162,033	633,193	1,273,728	233,804	268,896	7,075,166	7,085,640
36	West Virginia.....	75,303	60,268	1,123,158	980,655	59,318	134,107	422,136	1,102,228	181,988	202,936	5,307,837	5,874,063
37	North Carolina.....	88,187	68,732	775,949	561,321	89,066	142,686	398,094	549,444	107,646	118,840	2,074,684	1,454,347
38	South Carolina.....	31,928	33,879	454,482	291,705	48,291	87,734	225,657	361,454	42,461	52,366	721,644	611,699
39	Georgia.....	126,554	93,585	893,207	680,467	153,886	211,579	661,368	770,968	140,928	154,251	1,529,790	1,248,017
40	Florida.....	76,480	70,445	651,425	458,458	94,253	138,393	554,400	586,919	121,907	177,881	1,394,869	1,565,201
<b>EAST SOUTH CENTRAL:</b>													
41	Kentucky.....	125,791	104,661	1,853,397	1,880,432	102,493	250,502	812,882	2,480,227	261,587	312,115	7,289,713	8,749,627
42	Tennessee.....	132,649	94,224	1,536,217	1,243,158	114,187	266,000	698,481	1,006,949	231,542	210,723	4,329,771	3,451,943
43	Alabama.....	131,179	83,027	873,968	703,459	115,487	213,397	454,175	826,805	141,092	147,457	1,806,707	1,753,241
44	Mississippi.....	143,196	89,985	1,095,493	899,800	150,089	238,601	689,352	1,157,630	148,507	159,823	2,027,629	2,288,697
<b>WEST SOUTH CENTRAL:</b>													
45	Arkansas.....	137,849	103,555	1,211,494	1,064,074	109,240	254,473	822,170	1,418,961	146,128	144,373	1,787,440	1,768,028
46	Louisiana.....	102,995	66,076	877,642	620,250	120,461	199,825	622,673	817,872	103,433	124,810	1,330,514	1,667,317
47	Oklahoma.....	202,337	224,703	2,650,755	2,361,837	261,194	536,220	1,690,424	2,530,544	619,676	1,396,896	15,236,066	23,811,601
48	Texas.....	716,943	594,835	8,828,065	13,473,384	722,302	2,148,261	5,048,951	19,528,804	1,606,626	2,094,197	37,741,205	43,569,763
<b>MOUNTAIN:</b>													
49	Montana.....	100,784	97,899	1,965,734	2,002,199	82,626	187,533	793,113	1,229,419	260,700	326,406	8,401,168	9,972,341
50	Idaho.....	53,727	40,393	851,588	762,889	49,289	56,398	373,546	883,908	55,379	84,203	2,210,896	2,180,182
51	Wyoming.....	83,896	67,888	1,658,749	1,549,469	45,987	126,770	472,620	1,788,934	254,330	229,495	8,567,899	7,402,793
52	Colorado.....	114,815	151,627	2,054,943	3,156,858	86,201	269,154	710,688	3,130,465	355,242	429,382	10,643,645	11,639,675
53	New Mexico.....	121,018	114,045	1,682,450	1,766,334	49,381	188,762	387,193	1,989,648	191,387	169,412	4,068,904	3,857,877
54	Arizona.....	93,113	73,437	1,287,024	961,818	57,887	155,181	406,341	1,133,178	178,129	158,333	3,537,651	2,792,813
55	Utah.....	50,126	40,461	685,500	681,040	33,042	78,940	235,357	729,551	61,135	61,335	1,263,860	1,352,033
56	Nevada.....	53,411	44,967	789,125	792,272	28,434	51,061	215,110	851,851	121,683	92,170	2,824,427	2,416,789
<b>PACIFIC:</b>													
57	Washington.....	51,995	44,113	844,490	805,325	57,188	105,130	421,618	889,058	44,831	80,053	1,266,846	1,946,963
58	Oregon.....	83,102	78,028	1,245,353	1,350,105	76,238	168,323	529,317	1,536,473	150,713	147,805	3,391,260	3,595,879
59	California.....	218,480	148,289	3,448,565	2,696,263	267,799	329,430	1,883,523	2,796,201	485,712	355,210	12,830,672	8,660,719

\* Includes Indian Territory.

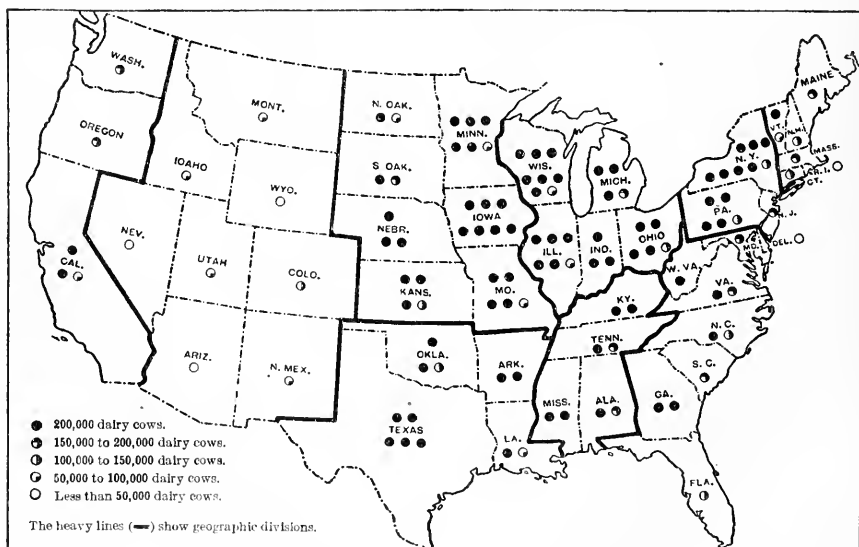
## ALL CATTLE ON FARMS.

NUMBER, BY STATES: APRIL 15, 1910.



## DAIRY COWS ON FARMS.

NUMBER, BY STATES: APRIL 15, 1910.



## HORSES, MULES, AND ASSES AND BURROS ON FARMS.

United States as a whole.—The draft animals on farms in the United States consist mainly of horses and mules, comparatively few oxen being used. The age classification of horses and mules used in 1910 differed from that employed in 1900 in the same way as in the case of cattle, and the change in the date of enumeration also affects the returns. The data are,

however, somewhat more nearly comparable than those for cattle, because a much larger proportion of horses and mules are of mature age.

The following statement shows the definitions of the classes at each census and the number reported for the United States as a whole in each class, and also the totals for asses and burros:

Table 15 1910 (APRIL 15).			1900 (JUNE 1).			NOMINAL INCREASE. <sup>1</sup>	
Class as defined in schedule.	Corresponding age limits.	Number.	Class as defined in schedule.	Corresponding limits of date of birth.	Number.	Number.	Per cent.
<b>Horses, mules, and asses and burros.</b>		<b>24, 148, 580</b>	<b>Horses, mules, and asses and burros.</b>		<b>21, 625, 800</b>	<b>2, 522, 780</b>	<b>11. 7</b>
All horses.....		19, 833, 113	All horses.....		18, 267, 020	1, 566, 093	8. 6
Born before Jan. 1, 1909.....	Over 15½ months	17, 430, 418	Horses 2 years old and over.....	Before June 1, 1898.....	15, 505, 966	1, 924, 452	12. 4
Colts born in 1909.....	3½ to 15½ months.	1, 731, 982	Horses 1 and under 2 years.....	June 1, 1898, to June 1, 1899.....	1, 446, 225	285, 757	19. 8
Colts born after Jan. 1, 1910.....	Under 3½ months.	612, 775	Colts under 1 year.....	After June 1, 1899.....	1, 314, 829	-702, 054	-53. 4
All mules.....		4, 209, 719	All mules.....		3, 264, 615	945, 154	29. 0
Born before Jan. 1, 1909.....	Over 15½ months.	3, 787, 316	Mules 2 years old and over.....	Before June 1, 1898.....	2, 753, 486	1, 033, 830	37. 5
Colts born in 1909.....	3½ to 15½ months.	313, 196	Mules 1 and under 2 years.....	June 1, 1898, to June 1, 1899.....	279, 501	33, 685	12. 1
Colts born after Jan. 1, 1910.....	Under 3½ months.	109, 257	Colts under 1 year.....	After June 1, 1899.....	231, 628	-122, 371	-52. 8
Asses and burros (all ages).....		105, 698	Asses and burros (all ages).....		94, 165	11, 533	12. 2

<sup>1</sup> A minus sign (—) denotes decrease.

The total number of horses reported as on farms on April 15, 1910, was 19,833,000, as compared with 18,267,000 on June 1, 1900, an increase of 1,566,000, or 8.6 per cent. The numbers of mules at the same dates were 4,210,000 and 3,265,000, respectively, showing an increase of 945,000, or 29 per cent. Had the enumeration of 1910 been made as of June 1, however, the increase in both classes would have been somewhat greater on account of the addition of colts born between April 15 and June 1. The number of horse colts under 1 year of age reported on June 1, 1900, was 1,315,000. Assuming that the rate of increase during the decade in the number of young colts was about the same as the rate for yearlings (about 20 per cent, which, it should be noted, is a greater relative increase than that in older horses) there would have been on June 1, 1910, nearly 1,600,000 horse colts under 1 year of age. Of these, however, a comparatively small number would have been born between June 1, 1909, and January 1, 1910, and would already be included in the returns for the class of "colts born in 1909." After deducting these there would have remained on June 1, 1910, perhaps between twelve and fourteen hundred thousand colts born after January 1, 1910, or from six to eight hundred thousand more than were reported on April 15, 1910 (613,000). Since a certain number of older horses living on April 15, 1910, would have died before June 1, the addition to the total number of horses of all ages which would have resulted from an enumeration on June 1 would have been perhaps 200,000 less than this addition to the number of colts. Similar calculations in the case of mules indicate the probability that had the enumeration of

1910 been taken as of June 1, there would have been in the neighborhood of 100,000 more mules than were reported for April 15.

With respect to animals of the oldest age group, which may be roughly designated as "mature horses" and "mature mules," the fact that the minimum age limit for the group in 1910 (15½ months) was lower than in 1900 (2 years) results in throwing some animals into this group at the later census which would have been classed as "yearlings" in 1900. Even after deducting these, however, and allowing for animals dying between April 15 and June 1, the increase in mature animals during the decade would doubtless be nearly as great as indicated by the figures of the above table. The actual increase would probably be in the neighborhood of 10 or 11 per cent for mature horses and at least 30 per cent for mature mules.

There should be fairly close comparability with respect to the older group of colts, which may for convenience be roughly designated by the term "yearlings." The returns for this group at each census represent animals born during a period of 12 months. A considerable increase occurred during the decade in this group in the case of both horses and mules.

The number of horses reported in 1910 was about four and three-fourths times as great as the number of mules, whereas in 1900 there were about five and one-half times as many horses as mules.

Table 16 shows statistics with regard to the value of horses, mules, and asses and burros in the United States as a whole, and the number and percentage of farms reporting these animals.

Table 16

	All horses, mules, and asses and burros.	Horses.	Mules.	Asses and burros.
1910.—Number	24,148,580	19,833,113	4,209,769	105,698
Value	\$2,622,190,170	\$2,083,588,195	\$525,391,863	\$13,200,112
Average value	\$108.59	\$105.06	\$124.80	\$124.89
Farms reporting	834,300	4,692,814	1,869,005	43,927
Per cent of all farms		73.8	29.4	0.7
1900.—Number	21,625,900	18,267,020	3,264,615	94,165
Value	\$1,008,546,454	\$896,513,217	\$196,222,653	\$5,811,184
Average value	\$84.30	\$89.08	\$60.11	\$61.71
Farms reporting		4,530,628	1,480,652	33,584
Per cent of all farms		79.0	25.8	0.6

This table shows a remarkable increase in the total value, which in turn is due primarily to the great increase in value per head. The combined value of horses, mules, and asses and burros in 1910 was 138.6 per cent greater than the value in 1900.

**Divisions and states.**—Table 21 (pages 322 and 323) shows, for each geographic division and state, the number and value of horses, mules, and asses and burros on farms, by classes. Table 17 shows certain percentages and averages, by divisions and sections.

Table 17

DIVISION OR SECTION	PER CENT OF TOTAL NUMBER IN THE UNITED STATES.																				OF HORSES, MULES, AND ASSES AND BURROS.					
	All horses, mules, and asses and burros.				All horses.		Mature horses. <sup>1</sup>		Yearling horses. <sup>1</sup>		Horse colts. <sup>1</sup>		All mules.		Mature mules. <sup>1</sup>		Yearling mules. <sup>1</sup>		Mule colts. <sup>1</sup>		All asses and burros.		Per 1,000 acres of all land in farms.		Per 1,000 acres of improved land.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
United States.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New England.....	1.5	1.8	1.8	2.1	2.0	2.4	0.6	0.9	0.2	0.6	(2)	(2)	(2)	(2)	(2)	(2)	0.1	0.1	0.2	18	19	49	48			
Middle Atlantic.....	5.3	6.3	6.2	7.2	6.7	7.7	3.4	4.8	1.8	3.8	1.2	1.4	1.3	1.5	0.5	1.5	0.2	0.6	0.6	1.0	30	30	44	44		
East North Central.....	19.3	20.1	22.2	22.6	22.5	22.7	21.5	22.0	18.6	21.3	6.2	6.6	5.8	6.2	9.8	8.0	10.0	10.1	5.1	4.6	40	37	52	50		
West North Central.....	31.2	28.8	34.3	31.0	33.8	30.6	38.4	33.3	37.1	33.7	17.0	16.4	14.9	13.8	36.4	27.9	34.3	32.4	21.1	16.5	32	31	46	46		
South Atlantic.....	7.7	7.5	5.6	5.9	5.8	6.2	4.4	4.2	4.6	4.3	17.8	17.0	19.4	19.1	3.3	7.4	2.5	4.0	3.2	2.4	18	16	38	35		
East South Central.....	9.0	9.5	5.8	6.5	5.8	6.7	5.4	4.9	6.9	5.8	23.8	26.1	31.6	26.3	18.7	25.0	18.5	24.9	14.9	18.8	27	25	49	51		
West South Central.....	15.2	14.8	11.8	12.3	11.8	12.2	11.1	11.8	15.1	13.1	30.6	28.8	31.0	29.6	26.2	25.1	29.3	23.4	28.2	33.7	22	18	63	80		
Mountain.....	6.2	6.4	7.2	7.3	6.7	6.1	9.6	12.2	8.5	11.9	1.2	0.8	1.0	0.7	2.4	1.3	1.7	1.7	23.7	29.8	25	30	94	164		
Pacific.....	4.6	4.9	5.1	5.2	5.0	5.2	5.7	5.7	7.2	5.4	2.2	2.9	2.1	2.9	2.7	2.8	3.5	2.8	3.1	2.9	22	22	51	56		
The North.....	57.3	56.9	64.4	62.9	64.9	63.4	63.8	61.2	57.7	59.5	24.5	24.5	22.0	21.5	46.7	38.5	44.5	43.1	27.0	22.3	33	32	48	47		
The South.....	31.9	31.8	23.2	24.6	23.4	23.1	20.9	20.9	26.6	23.2	72.2	71.8	74.8	74.9	28.8	57.4	59.3	52.3	46.2	45.0	22	19	51	55		
The West.....	10.8	11.2	12.3	12.5	11.7	11.6	15.3	17.9	15.7	17.3	3.3	3.7	3.2	3.6	5.1	4.1	5.2	4.6	26.8	32.7	24	26	69	90		
East of the Mississippi River.....	42.8	45.2	41.6	44.2	42.7	45.6	35.2	36.8	32.0	35.8	49.1	51.1	51.0	53.0	32.3	41.8	41.2	39.7	24.0	27.0	28	27	47	46		
West of the Mississippi River.....	57.2	54.8	58.5	55.8	57.3	54.4	64.8	65.2	68.0	64.2	50.9	48.9	49.0	47.0	67.7	58.2	68.8	60.3	76.0	73.0	27	25	53	59		

<sup>1</sup> For definition of these terms at the two censuses, see page 319.

<sup>2</sup> Less than one-tenth of 1 per cent.

Of the total number of horses, mules, and asses and burros, considered together, in 1910, 31.2 per cent were reported from the West North Central division, 19.3 per cent from the East North Central, and 15.2 per cent from the West South Central, these three divisions together containing about two-thirds of the entire number. The North reported 57.3 per cent of the total, the South 31.9 per cent, and the West 10.8 per cent.

The geographic distribution of horses is quite different from that of mules. Although the use of mules is rapidly increasing in the North, it is in the South that they have been found particularly useful. In the North there were more than twelve times as many horses as mules in 1910, but in the South only about one and one-half times as many.

There is a wide difference among the several geographic divisions in the extent to which the breeding of horses and mules is carried on, as is shown by the differences between the distribution of "mature" animals and that of "yearlings" and "colts," and still more clearly by a comparison of the ratios which the numbers of "colts" or "yearlings" reported from the several divisions bear to the numbers of mature animals reported from the same divisions. At the census of 1910, the number of yearling horses (that is, those born during the year 1909) was equal in New England to only 2.9 per cent of the number of mature horses and in the Middle Atlantic division to only 5 per cent,

whereas in the West North Central division the ratio was 11.3 per cent, in the Pacific division 11.4 per cent, and in the Mountain division 14.2 per cent.

The average number of horses, mules, and asses and burros combined, in 1910, to each 1,000 acres of land in farms in the country as a whole was 27, and the average number to each 1,000 acres of improved land was 50. The East North Central division shows the largest number (40) per 1,000 acres of all land in farms, and the New England and South Atlantic divisions stand lowest, with 18 in each case. The number per 1,000 acres of improved land ranged from 94 in the Mountain division to 38 in the South Atlantic.

Table 18 shows, by divisions and sections, the increase or decrease from 1900 to 1910 in the number of horses, mules, and asses and burros. Separate data for colts are not given as they have little significance, but the totals include colts.

In the number of horses, mules, and asses and burros combined an increase took place between June 1, 1900, and April 15, 1910, in all the geographic divisions except the New England and Middle Atlantic divisions. Much the greatest increase, both absolute and relative, was in the West North Central division, but there was also a very conspicuous increase (mainly in mules) in the West South Central division. The number of mules increased in every geographic division except the Pacific.

Table 18

DIVISION OR SECTION.	INCREASE IN NUMBER, JUNE 1, 1900, TO APRIL 15, 1910. <sup>1</sup>															
	All horses, mules and asses and burros.				Horses.								Mules.			
					All horses.				Mature horses. <sup>2</sup>				Yearlings. <sup>2</sup>			
					Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.
<b>United States.....</b>	<b>2,522,780</b>	<b>11.7</b>	<b>1,596,093</b>	<b>8.0</b>	<b>1,924,452</b>	<b>12.4</b>	<b>246,767</b>	<b>19.8</b>	<b>945,154</b>	<b>29.0</b>	<b>1,032,830</b>	<b>37.6</b>	<b>33,685</b>	<b>12.1</b>	<b>11,533</b>	<b>12.2</b>
New England.....	20,640	-7.9	30,941	-8.0	21,219	-5.8	-3,329	-25.0	334	23.9	590	55.0	-50	-48.5	-33	-18.3
Middle Atlantic.....	-77,873	-5.7	-83,757	-6.4	-33,218	-2.8	-11,400	-16.4	6,156	13.3	9,974	24.5	-2,579	-62.8	-272	-28.4
East North Central.....	323,989	7.6	278,968	6.8	392,044	11.1	53,823	16.9	43,865	20.4	47,999	28.3	8,288	36.9	1,116	25.9
West North Central.....	1,309,853	21.0	1,122,364	19.8	1,152,761	24.3	181,220	37.4	180,815	33.8	185,153	48.8	33,723	40.6	6,074	42.8
South Atlantic.....	253,317	14.4	40,117	3.7	52,890	5.5	16,530	25.5	194,128	35.0	211,055	40.2	-10,370	-50.5	1,072	46.6
East South Central.....	109,741	5.3	-41,440	-3.5	-29,720	-2.9	22,291	31.7	153,153	18.0	211,652	27.9	-11,059	-15.9	-1,972	-11.1
West South Central.....	465,302	14.6	110,306	4.9	162,394	8.6	21,106	12.4	347,591	37.0	357,665	43.9	12,055	17.2	7,406	33.1
Mountain.....	121,630	8.8	102,481	7.7	173,708	17.5	-10,204	-5.8	22,128	82.5	30,626	10.8	3,724	10.0	-3,079	-11.0
Pacific.....	68,541	6.2	57,856	7.1	74,722	9.4	16,720	20.2	-3,036	-3.2	-883	-1.1	563	7.2	621	23.1
The North.....	1,525,340	12.4	1,286,674	11.2	1,490,368	15.2	220,314	24.9	231,190	29.0	243,716	41.3	38,782	36.0	7,485	35.6
The South.....	810,360	11.8	1,086,962	2.4	181,564	4.8	58,927	19.5	694,872	29.6	770,372	37.3	-8,374	-5.8	6,500	15.4
The West.....	187,091	7.7	170,437	7.5	248,550	13.9	6,516	2.5	19,092	15.7	19,742	19.8	4,287	37.2	-2,438	-8.0
East of the Mississippi River.....	500,534	5.7	162,967	2.0	340,777	5.1	76,915	14.5	397,686	33.0	471,270	32.5	-15,770	-13.5	-89	-0.3
West of the Mississippi River.....	1,962,246	16.6	1,403,126	13.8	1,563,675	18.6	208,842	22.8	547,468	34.3	562,560	43.5	49,465	30.4	11,622	16.9

<sup>1</sup> A minus sign (-) denotes decrease.<sup>2</sup> For definition of these classes at the two censuses, see page 319.

The following table shows the average value per head of the various classes in 1910 and 1900. In comparing the averages for the two censuses the differences in classification should be kept in mind.

Table 19

DIVISION.	Horses. <sup>1</sup>				Mules. <sup>1</sup>				All asses and burros.
	All horses.	Ma- ture horses.	Year- lings.	Colts.	All mules.	Ma- ture mules.	Year- lings.	Colts.	
<b>United States:</b>	<b>\$105.06</b>	<b>\$112.36</b>	<b>\$58.82</b>	<b>\$33.68</b>	<b>\$124.80</b>	<b>\$131.49</b>	<b>\$73.04</b>	<b>\$41.51</b>	<b>\$124.89</b>
1910.....	105.06	112.36	58.82	33.68	124.80	131.49	73.04	41.51	124.89
1900.....	49.08	53.03	33.40	19.70	60.11	64.74	42.06	26.78	61.71
New England:									
1910.....	124.19	126.09	69.01	49.35	163.64	167.01	87.26	43.46	87.23
1900.....	69.59	70.94	56.76	32.42	67.17	75.47	54.22	32.61	33.04
Middle Atlantic:									
1910.....	130.21	133.93	72.69	43.92	146.81	149.02	85.45	41.43	126.97
1900.....	73.48	76.23	56.35	31.96	75.46	78.43	58.49	33.12	34.61
E. North Central:									
1910.....	111.17	117.71	65.68	34.57	121.05	131.66	75.11	38.93	176.69
1900.....	56.97	59.71	42.66	24.08	57.91	63.56	44.48	29.69	85.84
W. North Central:									
1910.....	110.91	119.56	61.13	33.24	126.47	141.61	79.20	42.48	221.90
1900.....	50.30	54.67	34.54	20.84	56.17	64.71	42.14	28.16	118.83
South Atlantic:									
1910.....	109.22	114.80	62.18	34.29	143.87	145.26	71.98	38.44	140.59
1900.....	55.93	58.83	40.74	23.42	62.62	69.89	50.87	29.93	93.97
E. South Central:									
1910.....	108.10	108.57	68.94	48.59	124.63	129.35	76.78	47.94	149.22
1900.....	53.13	55.32	45.71	30.15	64.12	68.04	46.09	29.13	85.54
W. South Central:									
1910.....	77.74	82.96	45.14	31.15	112.99	118.60	62.11	38.16	105.56
1900.....	30.43	33.07	19.09	12.69	54.81	58.74	34.82	21.56	61.95
Mountain:									
1910.....	75.91	88.27	40.58	25.67	106.78	118.70	60.85	34.04	26.39
1900.....	23.43	27.33	14.90	8.31	37.33	42.84	29.23	18.74	8.19
Pacific:									
1910.....	99.85	108.73	63.47	31.51	130.33	140.93	71.93	38.18	175.22
1900.....	36.77	40.49	21.14	13.20	53.39	57.61	37.28	20.79	76.37

<sup>1</sup> For definition of the subclasses at the two censuses, see page 319.

In the United States as a whole the average value of all horses per head in 1910 was \$105.06, as compared with \$124.80 per head for mules. The average value of "mature horses" increased from \$53.03 per head in 1900 to \$112.36 in 1910, and that of "mature mules" increased from \$64.74 to \$131.49. Even in the case of "yearlings" and "colts" the average value was much higher at the later census than at the earlier, notwithstanding the fact that the average age of the animals classed in these groups was lower. Increase in average values appeared in all of the geographic divisions for all of the age groups.

The average value of "mature horses" ranged in 1910 from \$82.96 in the West South Central division to \$133.93 in the Middle Atlantic, and that of "mature mules" from \$118.60 in the West South Central division to \$167.01 in New England.

Table 20 presents a comparison of the number of horses, mules, and asses and burros for the last four censuses. Horse and mule colts are excluded in order to make the figures more nearly comparable, but they are still not precisely comparable, the figures for 1910 being relatively too large because of the lower age limit of the colts excluded. There was a rapid increase in the combined number from 1880 to 1890, but only a comparatively moderate increase during the last two decades.

Table 20

DIVISION.	HORSES, MULES, AND ASSES AND BURROS (EXCLUDING HORSE AND MULE COLTS).				HORSES (EXCLUDING COLTS).				MULES AND ASSES AND BURROS (EXCLUDING MULE COLTS).			
	1910	1900	1890	1880	1910	1900	1890	1880	1910	1900	1890	1880
<b>United States.....</b>	<b>23,426,548</b>	<b>20,079,443</b>	<b>17,581,318</b>	<b>12,170,296</b>	<b>10,220,338</b>	<b>16,852,181</b>	<b>16,266,244</b>	<b>10,357,488</b>	<b>4,206,210</b>	<b>3,127,152</b>	<b>2,315,074</b>	<b>1,812,808</b>
New England.....	355,575	379,708	370,106	325,922	334,804	378,352	368,849	324,065	1,953	1,450	1,267	1,496
Middle Atlantic.....	1,271,362	1,308,857	1,412,441	1,268,138	1,218,425	1,363,043	1,370,015	1,239,885	52,937	45,814	42,426	37,253
East North Central.....	4,541,623	4,038,353	4,108,809	3,278,968	4,287,097	3,841,820	3,912,858	3,072,210	233,926	196,523	195,951	206,758
West North Central.....	7,267,431	5,704,263	5,122,177	2,727,962	6,566,754	5,228,536	5,228,536	4,161,000	2,394,821	700,677	475,127	461,711
South Atlantic.....	1,832,861	1,562,694	1,288,151	1,148,181	1,082,963	1,014,543	890,738	801,229	749,598	548,141	417,303	345,944
East South Central.....	2,101,765	1,920,573	1,636,298	1,405,536	1,102,457	1,109,886	989,435	864,026	999,308	810,687	646,842	549,510
West South Central.....	3,540,460	2,972,969	1,921,647	1,352,570	2,256,357	2,065,983	1,472,506	1,056,367	1,284,103	906,977	449,141	296,203
Mountain.....	1,447,067	1,219,247	1,848,385	224,039	1,374,904	1,168,354	1,809,671	205,299	72,163	50,593	38,714	18,880
Pacific.....	1,058,312	972,698	1,862,794	439,458	976,977	881,664	1,801,126	407,665	91,353	91,654	61,638	31,773

<sup>1</sup> Includes estimated number of horses on public ranges.

## HORSES, MULES, AND ASSES AND BURROS ON FARMS—NUMBER AND VALUE OF HORSES AND

[See text with reference to date of enumeration and change in classification.]

Table 21	DIVISION OR STATE.	ALL HORSES, MULES, AND ASSES AND BURROS.				ALL HORSES.			
		Number.		Value.		Number.		Value.	
		1910	1900	1910	1900	1910	1900	1910	1900
1	<b>United States.....</b>	<b>24,148,680</b>	<b>21,628,800</b>	<b>\$2,622,180,170</b>	<b>\$1,988,646,454</b>	<b>19,833,113</b>	<b>18,267,020</b>	<b>\$2,083,688,196</b>	<b>\$896,513,217</b>
	<b>GEOGRAPHIC DIVISIONS:</b>								
2	New England.....	356,631	387,271	44,353,827	26,939,945	354,755	385,066	44,058,070	26,840,293
3	Middle Atlantic.....	1,282,787	1,360,660	167,083,827	100,033,054	1,229,086	1,313,443	160,111,903	96,509,032
4	East North Central.....	4,666,291	4,342,302	521,653,254	243,575,108	4,401,442	4,122,454	489,290,485	230,724,365
5	West North Central.....	7,532,378	6,222,505	848,994,801	317,214,620	7,794,192	5,671,808	753,512,291	285,306,526
6	South Atlantic.....	1,863,817	1,628,500	229,632,663	98,157,231	1,111,187	1,071,070	121,359,125	59,905,816
7	East South Central.....	2,164,134	2,064,333	245,527,291	119,072,930	1,144,599	1,186,609	118,071,299	63,019,031
8	West South Central.....	3,665,167	3,199,865	331,109,901	129,065,695	2,349,029	2,238,724	182,618,200	128,207
9	Mountain.....	1,501,023	1,379,493	118,493,632	32,268,440	1,427,057	1,324,576	112,606,228	31,036,960
10	Pacific.....	1,116,352	1,050,811	114,520,214	40,319,431	1,021,166	953,210	101,961,188	35,046,487
	<b>NEW ENGLAND:</b>								
11	Maine.....	107,964	106,700	14,440,930	7,079,288	107,574	106,299	14,304,756	7,058,989
12	New Hampshire.....	46,454	54,990	5,297,663	3,848,307	46,229	54,866	5,266,389	3,840,670
13	Vermont.....	81,232	85,887	8,646,935	5,342,359	80,781	85,531	8,591,337	5,319,597
14	Massachusetts.....	64,572	75,383	8,717,159	5,848,851	64,283	75,034	8,671,997	5,826,457
15	Rhode Island.....	9,621	11,433	1,435,962	983,993	9,547	11,390	1,424,177	980,948
16	Connecticut.....	46,798	52,878	5,815,178	3,837,147	46,341	52,576	5,739,400	3,813,632
	<b>MIDDLE ATLANTIC:</b>								
17	New York.....	595,344	632,089	80,732,061	48,215,212	591,008	628,438	80,043,302	47,977,931
18	New Jersey.....	93,016	98,955	12,639,560	7,988,706	88,922	94,024	12,012,512	7,582,274
19	Pennsylvania.....	594,427	629,616	74,522,966	43,879,076	549,756	590,981	68,055,489	40,948,827
	<b>EAST NORTH CENTRAL:</b>								
20	Ohio.....	933,562	895,226	101,748,029	51,119,437	910,224	878,205	98,910,638	50,159,245
21	Indiana.....	897,458	819,440	97,087,699	44,475,215	813,644	751,715	87,118,468	40,641,988
22	Illinois.....	1,603,583	1,477,392	182,071,929	77,341,758	1,452,887	1,350,219	163,363,400	69,698,100
23	Michigan.....	613,966	589,570	71,830,231	36,070,225	610,033	586,559	71,312,474	35,908,557
24	Wisconsin.....	617,722	560,674	68,915,366	34,568,473	614,654	555,756	68,585,505	34,316,475
	<b>WEST NORTH CENTRAL:</b>								
25	Minnesota.....	759,178	704,969	89,824,452	42,753,099	753,184	696,469	89,068,872	42,255,044
26	Iowa.....	1,549,364	1,450,152	183,831,154	81,453,166	1,492,226	1,392,573	177,999,124	77,720,577
27	Missouri.....	1,428,964	1,259,333	160,409,138	58,685,989	1,073,387	967,067	113,976,563	42,094,514
28	North Dakota.....	658,427	306,924	84,633,655	23,218,108	650,599	359,948	83,461,739	22,728,511
29	South Dakota.....	682,119	487,767	75,183,223	20,450,317	669,362	480,708	73,442,978	20,085,687
30	Nebraska.....	1,093,901	851,174	113,626,618	39,951,575	1,008,378	795,318	110,804,967	36,663,359
31	Kansas.....	1,360,425	1,102,186	139,426,561	50,604,426	1,147,056	979,095	112,758,108	43,758,334
	<b>SOUTH ATLANTIC:</b>								
32	Delaware.....	39,018	34,482	4,219,899	2,113,871	33,065	29,722	3,451,791	1,767,625
33	Maryland.....	178,206	166,574	19,860,498	10,774,026	155,438	148,994	16,787,467	9,352,694
34	District of Columbia.....	617	935	60,886	63,412	564	854	55,026	57,362
35	Virginia.....	391,229	346,408	42,574,780	18,320,400	330,424	298,522	34,857,610	15,326,040
36	West Virginia.....	191,808	196,658	19,948,697	11,116,918	179,991	183,188	18,583,381	10,376,550
37	North Carolina.....	341,879	295,588	42,260,375	17,542,369	166,151	159,153	18,428,134	8,795,611
38	South Carolina.....	238,719	196,035	34,040,450	13,284,779	79,847	78,419	10,147,178	4,846,093
39	Georgia.....	416,180	335,247	58,249,853	21,562,900	120,067	127,407	14,193,839	7,092,228
40	Florida.....	69,101	56,573	8,411,225	3,368,556	45,640	42,811	4,854,699	2,290,139
	<b>EAST SOUTH CENTRAL:</b>								
41	Kentucky.....	672,754	647,621	72,046,486	36,113,305	443,034	451,697	44,796,120	24,548,542
42	Tennessee.....	633,553	614,897	75,495,920	36,885,709	349,709	352,388	39,320,044	19,681,517
43	Alabama.....	384,054	346,532	45,372,248	21,145,589	135,636	152,643	13,651,284	7,906,121
44	Mississippi.....	473,773	445,343	52,612,637	25,228,267	216,220	229,311	20,303,851	10,882,851
	<b>WEST SOUTH CENTRAL:</b>								
45	Arkansas.....	480,014	431,070	50,749,974	20,376,384	254,716	253,590	23,152,209	10,164,495
46	Louisiana.....	313,371	339,025	27,484,883	17,313,284	181,286	194,372	11,789,695	6,624,617
47	Oklahoma.....	1,005,748	2,636,648	93,151,190	22,788,578	742,959	2,521,330	163,651,661	16,830,012
48	Texas.....	1,866,034	1,703,122	189,723,854	60,487,449	1,170,068	1,209,432	84,024,635	34,497,083
	<b>MOUNTAIN:</b>								
49	Montana.....	320,290	332,829	27,616,223	7,907,421	315,956	329,972	27,115,764	7,788,672
50	Idaho.....	202,155	172,275	20,413,716	4,294,618	197,772	170,120	19,822,433	4,123,543
51	Wyoming.....	158,348	137,184	12,703,100	3,286,842	156,062	135,543	12,426,838	3,225,196
52	Colorado.....	312,007	248,843	29,318,193	7,686,283	294,035	236,546	27,382,926	7,308,726
53	New Mexico.....	206,314	152,366	9,494,358	2,468,129	179,525	131,153	7,868,314	2,220,469
54	Arizona.....	110,645	133,765	4,682,267	1,857,006	199,578	125,063	4,309,726	1,701,905
55	Utah.....	119,113	118,888	10,225,578	3,470,718	115,676	115,884	9,999,835	3,396,313
56	Nevada.....	72,151	83,343	4,040,197	1,386,823	68,433	80,256	3,770,402	1,272,336
	<b>PACIFIC:</b>								
57	Washington.....	292,930	246,835	31,539,551	8,705,100	280,572	243,985	29,680,849	8,560,544
58	Oregon.....	265,183	265,683	26,517,708	8,011,732	287,932	287,932	25,181,143	8,651,060
59	California.....	541,239	508,203	56,462,955	22,602,509	468,886	421,236	47,099,196	17,844,963

1 Includes unclassified animals.

2 Includes Indian Territory.

## LIVE STOCK ON FARMS AND ELSEWHERE.

323

MULES, BY AGE GROUPS, AND OF ASSES AND BURROS, BY DIVISIONS AND STATES: 1910 AND 1900.

[See text with reference to date of enumeration and change in classification.]

	MATURE HORSES.				YEARLING HORSES.				HORSE COLTS.			
	Number.		Value.		Number.		Value.		Number.		Value.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
	17,430,418	15,505,965	\$1,958,554,817	\$822,317,707	1,731,982	1,446,225	\$101,883,685	\$48,238,639	612,775	1,314,829	\$20,635,831	\$25,896,871
1												
2	343,826	365,045	43,322,612	25,840,181	9,978	13,307	688,532	742,021	951	7,344	46,932	238,091
3	1,60,154	1,193,372	155,380,823	90,970,287	58,271	69,671	4,235,865	3,927,904	11,261	50,400	494,615	1,610,841
4	3,915,956	3,523,912	460,941,612	210,406,428	371,741	317,918	24,416,182	13,561,186	113,745	280,424	3,932,601	6,756,751
5	5,896,776	4,744,015	705,002,548	259,332,434	484,321	40,695,232	16,736,828	227,438	443,272	7,559,473	9,237,064	
6	1,006,489	953,599	115,636,163	56,098,624	60,944	4,755,035	2,482,859	28,224	56,527	967,927	1,324,033	
7	1,009,795	1,039,515	109,635,147	57,565,865	92,662	70,371	6,388,491	3,216,928	42,142	76,133	2,047,661	2,296,238
8	2,067,662	1,895,268	170,709,873	62,673,946	191,821	170,715	8,658,033	3,259,662	92,672	172,741	2,886,634	2,191,659
9	1,166,007	992,209	102,922,196	27,114,567	165,941	176,145	6,734,082	2,624,805	52,153	156,222	1,307,304	1,297,588
10	873,753	799,031	95,008,843	32,355,375	99,353	82,633	5,312,216	1,746,506	44,189	71,546	1,392,594	944,606
11	103,505	99,510	14,076,531	6,778,904	3,705	3,955	270,476	201,548	364	2,834	17,749	78,537
12	45,073	52,621	5,192,538	3,726,007	1,081	1,543	70,269	90,816	75	702	3,582	23,847
13	77,043	79,190	8,381,854	5,072,032	3,513	3,852	200,625	181,727	225	2,489	8,878	65,838
14	63,161	71,937	8,576,453	5,619,159	948	86,054	160,121	174	709	9,490	47,177	
15	9,434	11,120	1,411,234	962,429	93	179	10,833	13,779	20	91	2,110	4,740
16	45,610	50,667	5,684,062	3,701,650	638	1,480	50,275	94,030	93	429	5,123	17,952
17	562,310	578,378	78,032,682	45,556,014	25,083	30,033	1,851,349	1,771,023	3,615	20,027	159,371	650,894
18	86,032	89,144	11,725,055	7,188,643	2,207	3,054	201,762	240,380	683	1,826	85,665	153,251
19	511,812	525,850	65,623,086	38,225,630	30,981	36,384	2,182,754	1,916,501	6,963	28,547	249,649	806,696
20	814,507	755,449	93,373,221	45,725,947	73,520	67,332	4,787,578	3,037,402	22,197	55,324	749,839	1,395,996
21	714,091	644,469	81,433,050	36,968,203	71,863	64,714	4,714,861	2,365,668	27,690	52,426	970,557	1,308,117
22	1,264,202	1,126,857	152,396,336	62,604,632	138,447	115,377	9,210,361	4,575,418	50,238	107,967	1,756,700	2,518,050
23	560,936	517,135	68,278,456	33,450,482	41,474	38,406	2,775,456	1,711,541	7,623	31,018	258,562	746,534
24	562,220	479,884	65,460,549	31,657,164	46,437	41,983	2,927,926	1,871,157	5,997	33,889	197,030	788,154
25	675,509	599,566	84,779,112	39,252,715	63,069	51,399	3,840,249	2,631,557	14,606	45,504	449,511	970,772
26	1,289,973	1,134,457	165,638,084	69,370,107	159,679	138,589	10,873,651	5,359,392	42,574	124,527	1,487,389	2,991,078
27	932,209	845,646	105,564,793	38,747,179	103,615	63,214	6,820,643	2,670,506	37,503	58,177	1,591,127	1,727,129
28	564,313	299,192	78,762,790	21,054,068	61,671	32,131	3,873,395	1,127,100	24,615	28,625	825,554	546,743
29	571,800	380,985	68,768,279	18,015,647	69,966	52,659	3,759,940	1,309,292	23,723	47,124	667,466	700,748
30	870,111	655,460	96,141,203	33,061,792	100,804	73,082	5,547,013	2,316,583	37,009	66,776	1,088,946	1,284,984
31	992,801	828,709	105,328,287	39,830,326	106,937	78,447	5,980,341	2,462,388	47,318	72,539	1,449,480	1,465,610
32	29,632	26,229	3,285,872	1,641,088	2,311	1,963	133,763	84,427	1,122	1,590	32,126	42,110
33	137,278	130,114	15,886,073	8,666,416	12,318	9,938	728,072	455,204	5,842	8,942	178,322	231,074
34	563	814	54,970	55,297	24	24	1,475	1,475	1	16	56	590
35	288,859	258,974	32,552,971	14,104,107	29,972	20,291	1,891,589	780,009	11,593	19,267	413,050	441,858
36	159,557	160,278	17,419,881	9,610,189	16,973	12,963	1,047,242	501,504	3,461	11,947	116,258	264,857
37	155,949	147,419	17,845,638	8,430,054	6,834	5,927	459,952	233,882	3,368	5,807	122,544	131,675
38	76,971	72,530	9,971,960	4,615,538	2,134	3,188	146,949	161,587	742	2,701	28,269	66,778
39	114,665	118,854	13,880,577	6,802,754	3,918	4,525	253,141	189,539	1,484	4,028	60,121	99,935
40	43,015	38,387	4,738,221	2,172,751	2,014	2,185	99,297	75,232	611	2,259	17,181	42,156
41	387,795	400,283	41,190,070	22,057,785	38,089	24,927	2,737,998	1,428,700	17,150	26,487	808,052	1,062,057
42	300,327	305,426	35,981,004	18,024,501	32,698	23,109	2,467,838	993,396	16,684	23,553	871,202	663,620
43	125,264	130,073	13,110,385	7,403,511	7,347	7,843	425,172	299,118	3,025	8,724	115,727	208,492
44	196,409	197,733	19,333,688	10,020,068	14,528	14,489	757,483	405,714	5,283	17,089	192,680	367,009
45	228,479	222,596	21,878,918	9,403,085	17,382	14,179	939,768	381,735	8,855	16,815	333,523	299,075
46	164,604	168,786	11,296,815	6,184,115	11,210	12,076	368,064	274,190	5,472	13,510	124,796	166,312
47	643,418	426,708	59,223,145	15,222,452	64,996	47,635	3,295,586	1,960,188	34,111	46,987	1,110,190	2,636,372
48	1,021,161	1,077,178	78,310,995	31,773,694	98,233	96,825	4,054,595	1,623,489	44,234	95,429	1,315,125	1,099,900
49	251,134	245,284	24,411,464	6,584,595	41,491	44,850	1,785,979	539,334	11,717	39,808	256,478	364,743
50	162,711	131,076	18,185,360	3,708,771	22,449	20,832	1,166,362	728,326	8,450	18,212	269,486	136,246
51	127,275	99,077	11,259,690	2,783,644	20,638	19,754	840,676	297,109	5,078	16,712	137,177	144,443
52	254,581	185,541	25,655,549	6,487,282	29,601	27,369	1,419,805	530,164	9,388	23,645	271,777	291,280
53	145,151	97,937	7,128,138	1,943,884	17,500	16,550	369,739	177,458	4,468	16,666	63,713	99,127
54	74,788	83,804	3,681,406	1,466,417	11,276	22,283	256,106	152,878	5,775	18,976	79,422	82,610
55	94,290	90,974	9,149,915	3,026,122	14,070	13,515	660,117	247,348	4,541	11,303	102,091	122,843
56	56,077	58,516	3,450,674	1,113,852	8,916	11,001	235,298	102,188	2,736	10,778	58,160	56,236
57	241,624	191,314	27,839,750	7,794,016	27,272	30,312	1,498,683	502,760	11,071	22,359	325,941	233,658
58	229,545	234,112	23,393,536	7,903,406	30,154	27,682	1,424,342	480,133	10,081	26,138	299,005	267,021
59	402,584	373,605	43,770,557	16,657,953	41,927	24,639	2,389,191	763,613	23,067	23,049	767,648	423,427

## ABSTRACT OF THE CENSUS—AGRICULTURE.

## HORSES, MULES, AND ASSES AND BURROS ON FARMS—NUMBER AND VALUE OF HORSES AND MULES,

[See text with reference to date of enumeration and change in classification.]

Table 21—Continued.		ALL MULES.				MATURE MULES.			
DIVISION OR STATE.		Number.		Value.		Number.		Value.	
		1910	1900	1910	1900	1910	1900	1910	1900
1	United States.....	4,209,769	3,244,616	\$525,391,863	\$196,222,053	3,787,318	2,753,458	\$497,982,330	\$178,264,738
GEOGRAPHIC DIVISIONS:									
2	New England.....	1,729	1,395	282,928	93,704	1,663	1,073	277,738	80,977
3	Middle Atlantic.....	52,416	46,260	7,696,310	3,490,899	50,723	40,749	7,558,858	3,195,748
4	East North Central.....	239,423	215,538	31,404,071	12,480,773	217,775	169,776	28,671,206	10,790,212
5	West North Central.....	715,932	555,117	90,544,355	20,056,974	564,315	379,162	79,913,033	24,534,007
6	South Atlantic.....	749,257	555,129	107,799,330	38,035,487	736,343	525,288	106,961,436	36,711,925
7	East South Central.....	1,003,804	850,651	125,108,538	54,539,582	924,878	723,226	119,631,758	49,644,973
8	West South Central.....	1,286,378	938,797	145,350,358	51,455,760	1,172,265	814,600	139,030,282	47,849,727
9	Mountain.....	48,957	26,829	5,227,444	1,001,561	39,700	19,075	4,712,502	817,144
10	Pacific.....	91,873	94,909	11,978,529	5,067,343	79,684	80,537	11,225,517	4,640,025
NEW ENGLAND:									
11	Maine.....	358	353	72,446	19,530	342	240	71,431	15,885
12	New Hampshire.....	195	97	29,681	6,072	185	72	28,836	5,210
13	Vermont.....	429	331	53,540	21,847	405	280	51,615	19,902
14	Massachusetts.....	268	298	43,385	20,685	259	214	42,905	16,945
15	Rhode Island.....	63	38	11,155	2,835	63	36	11,155	2,770
16	Connecticut.....	416	278	72,721	22,735	409	231	71,796	20,265
MIDDLE ATLANTIC:									
17	New York.....	4,052	3,313	650,497	229,172	3,840	2,330	633,272	213,550
18	New Jersey.....	4,041	4,888	621,774	354,037	3,960	4,499	616,389	330,370
19	Pennsylvania.....	44,323	38,059	6,424,039	2,907,690	42,923	33,311	6,309,197	2,651,528
EAST NORTH CENTRAL:									
20	Ohio.....	22,850	16,771	2,775,831	941,211	20,904	13,986	2,656,354	834,442
21	Indiana.....	82,168	66,717	9,678,014	3,717,083	69,493	52,232	8,849,742	3,176,375
22	Illinois.....	147,833	124,944	18,140,335	7,420,511	121,450	97,646	16,396,322	6,433,775
23	Michigan.....	3,700	2,916	493,825	158,475	3,329	2,379	469,927	141,619
24	Wisconsin.....	2,872	4,490	316,066	243,493	2,569	3,533	299,031	294,001
WEST NORTH CENTRAL:									
25	Minnesota.....	5,775	8,339	732,723	486,580	5,213	6,804	697,451	422,878
26	Iowa.....	65,524	55,747	7,551,818	3,586,761	46,485	42,452	6,877,871	3,045,575
27	Missouri.....	342,700	283,519	43,438,702	15,482,282	265,601	194,964	37,683,467	12,401,991
28	North Dakota.....	7,695	6,880	1,149,001	476,366	7,164	5,962	1,112,691	439,514
29	South Dakota.....	12,424	6,804	1,668,617	346,609	10,495	5,143	1,537,901	290,856
30	Nebraska.....	83,405	55,124	10,374,076	3,171,460	67,185	42,552	9,353,668	2,695,229
31	Kansas.....	208,409	118,704	25,629,418	6,507,916	162,172	81,565	22,649,984	5,238,054
SOUTH ATLANTIC:									
32	Delaware.....	5,935	4,745	764,133	345,401	5,676	4,349	748,326	322,621
33	Maryland.....	22,667	17,511	3,043,581	1,394,522	21,498	15,970	2,967,983	1,312,922
34	District of Columbia.....	53	81	5,860	6,050	53	81	5,860	6,050
35	Virginia.....	60,702	47,474	7,595,516	2,941,765	56,016	40,399	7,337,186	2,665,146
36	West Virginia.....	11,717	11,354	1,339,760	725,134	10,800	9,791	1,278,071	650,692
37	North Carolina.....	174,711	135,610	23,699,687	8,677,298	171,135	126,934	33,472,903	8,338,970
38	South Carolina.....	155,471	117,369	23,820,361	8,415,523	154,806	113,768	23,787,489	8,209,379
39	Georgia.....	295,348	207,321	43,974,611	14,454,822	293,231	200,811	43,831,032	14,148,187
40	Florida.....	23,333	13,664	3,545,821	1,074,972	23,128	13,185	3,532,316	1,049,558
EAST SOUTH CENTRAL:									
41	Kentucky.....	223,043	190,665	26,402,000	11,106,553	195,675	149,010	24,372,211	9,571,244
42	Tennessee.....	278,855	253,657	35,100,810	16,200,550	240,282	200,302	32,459,724	14,191,731
43	Alabama.....	247,146	192,070	31,577,217	13,104,642	242,285	173,522	31,285,918	12,579,746
44	Mississippi.....	255,760	214,259	32,028,421	14,128,807	246,636	194,392	31,483,905	13,302,252
WEST SOUTH CENTRAL:									
45	Arkansas.....	222,200	175,001	27,128,027	9,989,704	206,452	155,359	26,198,831	9,346,438
46	Louisiana.....	131,654	143,970	15,624,962	10,636,982	128,667	135,420	15,485,703	10,290,267
47	Oklahoma.....	267,066	112,635	28,618,224	5,707,455	210,990	190,164	26,428,433	5,026,026
48	Texas.....	678,658	507,281	73,979,145	25,121,619	617,156	433,657	70,917,315	23,186,896
MOUNTAIN:									
49	Montana.....	4,174	2,729	445,278	102,741	3,021	1,749	330,307	77,914
50	Idaho.....	4,036	1,793	481,301	70,542	2,993	1,309	411,147	57,679
51	Wyoming.....	2,045	1,227	248,572	51,009	1,675	779	226,432	38,428
52	Colorado.....	14,739	6,784	1,798,535	325,547	11,602	5,017	1,600,500	269,944
53	New Mexico.....	14,937	5,311	1,465,012	183,132	13,175	4,118	1,376,570	159,785
54	Arizona.....	3,963	4,077	399,449	123,539	3,507	3,080	379,905	102,882
55	Utah.....	2,277	2,116	157,497	58,850	1,564	1,278	125,278	42,796
56	Nevada.....	2,786	2,792	233,800	85,601	2,163	1,745	207,363	67,716
PACIFIC:									
57	Washington.....	12,185	2,690	1,776,297	138,185	9,949	1,927	1,628,923	114,524
58	Oregon.....	9,927	7,446	1,185,788	318,249	7,708	5,341	1,044,573	267,354
59	California.....	69,761	84,773	9,016,444	1,610,909	61,997	73,269	8,552,021	4,258,147

\* Includes Indian Territory.



## LIVE STOCK ON FARMS AND ELSEWHERE.

325

BY AGE GROUPS, AND OF ASSES AND BURROS, BY DIVISIONS AND STATES: 1910 AND 1900—Continued.

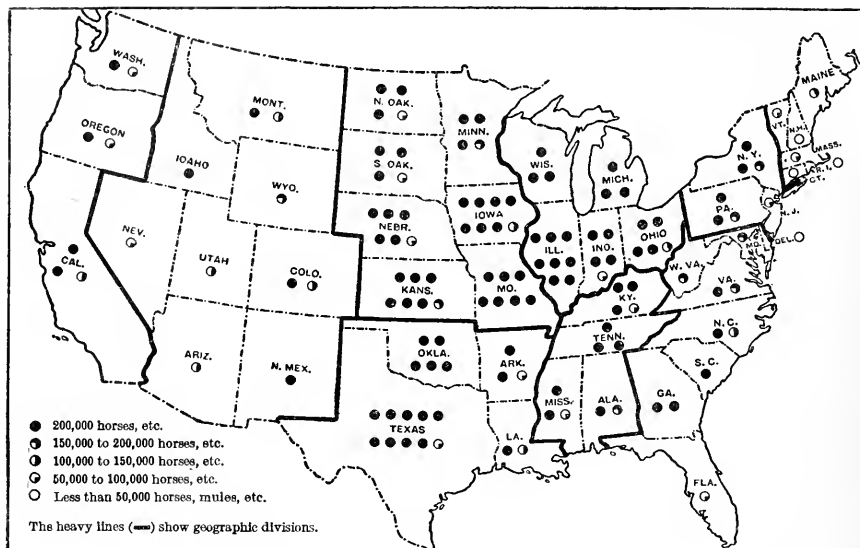
[See text with reference to date of enumeration and change in classification.]

	YEARLING MULES.				MULE COLTS.				ALL ASSES AND BURROS.			
	Number.		Value.		Number.		Value.		Number.		Value.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
1	313,195	278,501	\$22,874,502	\$11,765,416	109,257	231,628	\$4,538,031	\$8,201,899	106,898	84,165	\$12,209,112	\$5,811,184
2	53	103	4,625	5,585	13	219	565	7,142	147	180	12,823	5,948
3	1,529	4,108	130,657	240,269	164	1,403	6,795	54,582	685	957	86,974	33,123
4	30,725	22,437	2,307,669	997,986	10,923	23,325	425,196	692,575	5,426	4,310	958,698	369,970
5	114,108	80,985	9,037,902	3,412,773	37,509	74,970	1,563,420	2,110,194	22,254	18,580	4,938,155	1,851,320
6	10,182	20,552	732,886	1,045,582	2,732	9,289	105,008	277,980	3,373	2,301	474,208	216,228
7	58,099	69,758	4,507,036	3,214,847	20,227	57,067	969,744	1,679,732	15,731	17,703	2,347,454	1,514,347
8	82,078	70,023	5,098,086	2,438,377	32,035	84,164	1,222,020	1,167,656	29,760	22,354	3,141,343	1,384,728
9	7,454	3,730	453,560	109,017	1,803	4,024	61,382	75,400	25,009	28,088	650,960	229,919
10	8,368	7,805	602,111	290,980	3,851	6,567	150,901	136,338	3,313	2,692	580,497	203,601
11	11	21	745	970	5	92	270	2,675	22	48	3,728	769
12	7	13	725	630	3	12	120	232	30	27	1,593	1,565
13	23	13	1,865	630	1	38	60	1,315	22	25	2,038	915
14	5	27	365	1,480	4	57	115	2,260	21	51	1,777	1,709
15		2		65					11	5	630	210
16	7	27	925	1,810		20		600	41	24	3,057	780
17	191	182	16,345	9,160	21	192	880	6,162	284	338	38,262	8,109
18	61	322	4,600	20,823	20	67	725	2,844	53	43	5,274	2,455
19	1,277	3,604	109,652	210,286	123	1,144	5,190	45,876	348	576	43,438	22,550
20	1,601	1,321	107,501	60,244	345	1,464	11,976	46,525	488	250	61,560	18,981
21	9,388	7,320	694,021	324,353	3,287	7,165	133,821	216,355	1,646	1,008	291,217	116,144
22	19,181	13,194	1,467,711	585,666	7,202	13,804	276,302	401,070	2,863	2,629	568,194	223,147
23	309	188	21,641	7,856	62	249	2,257	9,000	233	95	22,932	3,193
24	246	414	16,195	19,867	27	543	840	19,625	196	428	13,795	8,505
25	444	813	31,077	39,020	118	722	4,196	24,682	219	161	22,857	11,475
26	7,557	6,807	612,601	333,630	1,482	6,488	61,346	207,356	1,614	1,832	280,212	150,768
27	57,760	47,111	4,836,869	1,939,879	19,349	41,424	918,366	1,140,502	12,877	8,777	3,063,873	1,111,893
28	421	510	31,780	25,237	110	408	4,530	11,615	133	96	22,915	13,231
29	1,563	743	116,940	30,180	366	918	13,776	24,573	333	195	71,628	19,021
30	12,467	6,671	885,960	293,366	3,763	6,201	134,458	182,875	2,118	782	447,638	116,756
31	33,906	18,330	2,822,685	751,271	12,331	18,809	456,749	818,591	4,960	3,787	1,039,038	428,176
32	173	289	12,750	17,930	86	107	3,057	5,450	18	15	3,975	845
33	869	1,136	63,908	66,408	300	405	11,690	15,192	101	89	35,450	6,810
34												
35	3,170	4,196	224,565	192,701	836	2,879	38,768	83,918	783	412	121,654	52,231
36	777	852	56,018	41,149	140	711	5,671	24,293	160	116	25,566	15,234
37	2,734	5,600	196,891	256,401	842	3,076	29,893	81,927	1,017	826	132,554	69,460
38	528	3,081	37,602	187,207	137	520	5,270	18,937	401	247	62,911	22,363
39	1,754	5,021	128,492	261,684	363	1,489	14,817	44,951	765	519	81,403	45,850
40	177	377	12,660	22,102	28	102	845	3,312	128	98	10,705	3,445
41	21,240	20,945	1,640,308	935,563	8,128	20,710	389,071	600,746	4,677	5,289	848,276	459,210
42	26,486	28,074	2,150,423	1,284,211	9,087	24,681	460,653	724,608	7,989	8,862	1,075,066	703,702
43	3,743	7,853	245,218	390,664	1,118	4,096	43,081	134,232	1,272	1,819	143,747	134,826
44	7,280	12,286	468,087	606,409	1,894	7,581	76,429	220,146	1,793	1,773	280,365	216,608
45	11,203	10,908	741,838	433,326	4,546	8,734	187,348	209,940	3,098	2,479	469,738	222,186
46	2,261	6,225	120,251	293,765	626	2,325	19,008	52,950	531	683	70,226	51,686
47	26,795	11,810	1,746,555	1,426,637	11,281	10,561	443,236	1,254,782	5,723	1,783	881,306	1,242,111
48	42,819	41,080	2,489,412	1,284,649	10,583	32,544	572,418	640,984	20,408	16,409	1,730,074	808,747
49	1,023	404	61,206	12,021	130	576	3,765	12,806	160	128	55,181	16,008
50	806	209	59,849	6,010	237	275	10,305	6,233	347	302	99,992	10,733
51	325	239	20,600	9,451	45	209	1,540	3,730	241	414	27,690	10,037
52	2,408	874	165,235	33,300	729	893	27,797	22,303	3,233	5,513	136,732	52,010
53	1,458	632	77,447	15,307	704	561	8,995	8,040	11,852	15,902	163,032	64,528
54	338	552	17,167	13,354	118	445	2,377	7,273	7,104	4,625	73,092	32,162
55	575	380	28,364	9,775	138	458	3,535	6,279	1,160	888	68,246	15,555
56	521	440	23,689	9,169	102	607	2,748	8,716	912	256	35,995	28,886
57	1,673	322	125,587	12,992	563	441	21,787	10,669	173	160	82,405	16,481
58	1,782	1,014	124,857	30,013	437	1,091	16,358	20,882	548	306	160,777	42,423
59	4,913	6,469	351,667	247,975	2,851	5,035	112,756	104,787	2,692	2,227	347,315	146,697

## ABSTRACT OF THE CENSUS—AGRICULTURE.

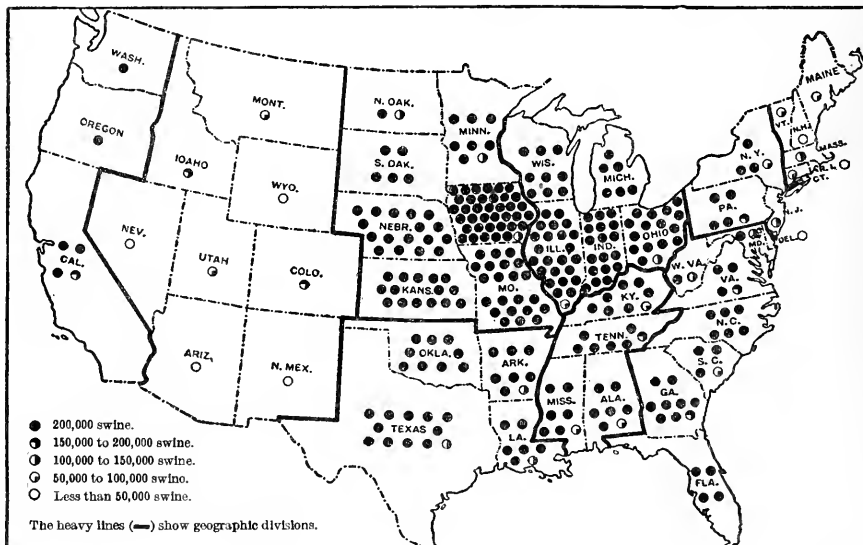
## ALL HORSES, MULES, AND ASSES AND BURROS ON FARMS.

NUMBER, BY STATES: APRIL 15, 1910.



## ALL SWINE ON FARMS.

NUMBER, BY STATES: APRIL 15, 1910.



## SWINE ON FARMS.

**United States as a whole.**—The following table shows, for 1910 and 1900, the principal facts with regard to swine on farms for the United States:

Table 22	All swine.	Hogs and pigs born before Jan. 1.	Pigs born after Jan. 1.
1910—Number (April 15).....	58,185,676	35,134,097	23,051,579
Value.....	\$399,338,308	\$332,137,958	\$47,180,350
Average value.....	\$6.86	\$10.02	\$2.05
Farms reporting.....	4,351,751	4,092,391	1,868,672
Per cent of all farms.....	68.4	64.3	29.4
1900—Number (June 1).....	62,868,041	( <sup>1</sup> )	( <sup>1</sup> )
Value.....	\$231,978,631	( <sup>1</sup> )	( <sup>1</sup> )
Average value.....	\$3.69	( <sup>1</sup> )	( <sup>1</sup> )
Farms reporting.....	4,335,393	( <sup>1</sup> )	( <sup>1</sup> )
Per cent of all farms.....	75.6	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> No age classification in 1900.

The number of swine reported for June 1, 1900, was 62,868,000 and the number reported for April 15, 1910, 58,186,000, an apparent decrease of 4,682,000, or 7.4 per cent. The change in the date of enumeration, however, has a very serious effect on the comparability of the statistics for 1900 and 1910, since the number of swine born between April 15 and June 1 undoubtedly greatly exceeds the number slaughtered during that period. It is probable that if the enumeration of 1910 had been made as of June 1 the number of swine would have been greater than in 1900, but it is impossible to make any close estimate. Notwithstanding the decrease in the number of swine at the census of 1910, as compared with that of 1900, the aggregate value of swine on farms increased from \$231,978,000 in 1900 to \$399,338,000 in 1910.

**Divisions and states.**—Table 25 (page 328) shows, for each geographic division and state, the number and value of swine on farms at the last two censuses. The following statement shows, by geographic divisions and sections, the distribution of swine and the increase or decrease during the decade:

Table 23	INCREASE IN NUMBER: 1900 TO 1910 <sup>1</sup>		PER CENT OF TOTAL NUMBER IN UNITED STATES.				AVERAGE NUMBER PER FARM, 1,000 ACRES OF LAND IN FARMS.			
DIVISION OR SECTION.	Amount.	Per cent.	All swine.		Hogs and pigs born before Jan. 1, 1910.		All swine.		Hogs and pigs born before Jan. 1, 1910.	
			1910	1900	1910	1900	1910	1900	1910	1900
<b>United States.....</b>	<b>-4,682,365</b>	<b>-7.4</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>66</b>	<b>75</b>	<b>40</b>	<b>40</b>
New England.....	34,443	9.5	0.7	0.6	0.7	0.7	20	18	12	12
Middle Atlantic.....	-169,186	-8.6	3.1	3.1	3.1	3.1	41	44	25	25
East North Central.....	-1,586,192	-9.9	24.9	25.5	21.7	29.6	123	138	65	65
West North Central.....	-3,145,529	-12.9	36.6	38.9	36.0	37.5	91	122	54	54
South Atlantic.....	401,158	7.2	10.2	8.8	11.0	9.1	57	53	37	37
East South Central.....	-1,206,742	-18.2	9.3	10.6	10.4	7.7	67	82	45	45
West South Central.....	619,466	9.7	12.1	10.2	13.8	9.5	42	36	29	29
Mountain.....	241,231	60.4	1.1	0.6	1.2	1.0	11	9	7	7
Pacific.....	128,986	12.2	2.0	1.7	2.1	1.9	23	22	15	15
<b>The North.....</b>	<b>-4,806,464</b>	<b>-11.4</b>	<b>65.2</b>	<b>68.1</b>	<b>61.5</b>	<b>70.9</b>	<b>92</b>	<b>112</b>	<b>52</b>	<b>52</b>
The South.....	-186,118	-1.0	31.7	29.6	35.2	26.2	52	51	35	35
The West.....	370,217	25.3	3.1	2.3	3.3	2.9	17	16	10	10
East of the Mississippi.....	-2,526,519	-8.3	48.2	48.6	46.9	50.1	77	83	45	45
West of the Mississippi.....	-2,155,846	-6.7	51.8	51.4	53.1	49.9	59	69	36	36

<sup>1</sup> A minus sign (—) denotes decrease.

In considering the geographic distribution of the total number of swine reported for April 15, 1910, it

should be noted that the number reported for that date presumably corresponds more closely to the average number on hand during the entire year in the case of some sections of the country than in the case of others, since, on account of differences in climate and in the prevailing practice as to hog raising, the proportion which the number of pigs born before April 15 represents of the entire number born during the year varies materially in different sections. Moreover, the distribution of the number of swine living on a given date does not indicate very closely the importance of the several sections of the country in the hog raising industry, for the reason that in some sections the hogs are slaughtered at an earlier average age than in other sections. In 1910 the West North Central division reported considerably more than one-third (36 per cent) of the total number of "mature" swine (that is, those born before Jan. 1, 1910) in the United States, and the East North Central division somewhat over one-fifth (21.7 per cent). Most of the remainder were in the three southern divisions. For reasons already indicated the distribution of young pigs differs somewhat from that of other swine.

In considering the increase or decrease in the number of swine of all ages it should be borne in mind that the change in the date of enumeration probably affects the comparability of the statistics for the two censuses in a more marked degree in some divisions than in others. Fewer swine were reported on April 15, 1910, than on June 1, 1900, in the Middle Atlantic, East North Central, and West North Central divisions, and also in one southern division, the East South Central, but there was an increase in the other five divisions.

The following table shows average values per head:

Table 24	DIVISION	AVERAGE VALUE PER HEAD.			
		All swine.		Hogs and pigs born before Jan. 1, 1910.	Pigs born after Jan. 1, 1910.
		1910	1900		
<b>United States.....</b>		<b>\$6.86</b>	<b>\$3.69</b>	<b>\$10.02</b>	<b>\$2.05</b>
New England.....		10.09	6.79	13.92	4.33
Middle Atlantic.....		8.18	5.38	11.17	3.68
East North Central.....		7.10	3.82	11.64	2.04
West North Central.....		8.62	4.35	13.18	1.95
South Atlantic.....		3.83	2.29	4.94	1.76
East South Central.....		4.70	2.39	6.08	1.54
West South Central.....		4.63	2.56	5.85	1.98
Mountain.....		7.98	4.64	10.88	2.89
Pacific.....		7.02	4.11	9.53	2.75

For the United States as a whole the average value of all swine in 1910 was \$6.86, as compared with \$3.69 in 1900. Had the enumeration of 1910 been made as of June 1, however, the average value per head would have been considerably less than that based upon the values reported for April 15. The average value per head of swine born before January 1, 1910, which furnishes a better basis for comparison among divisions than that of all swine, was much lower in the three southern divisions than in the divisions of the North and West.

## SWINE ON FARMS—NUMBER AND VALUE, BY DIVISIONS AND STATES: 1910 AND 1900.

[See text with reference to date of enumeration.]

Table 25

DIVISION OR STATE.	ALL SWINE.				HOGS AND PIGS BORN BEFORE JAN. 1, 1910.		PIGS BORN AFTER JAN. 1, 1910.	
	Number.		Value.		Number.	Value.	Number.	Value.
	1910	1900	1910	1900				
<b>United States.....</b>	<b>58,185,676</b>	<b>62,868,041</b>	<b>\$389,338,308</b>	<b>\$231,878,631</b>	<b>38,134,097</b>	<b>\$352,187,858</b>	<b>23,051,579</b>	<b>\$47,180,350</b>
<b>GEOGRAPHIC DIVISIONS:</b>								
New England.....	396,642	362,199	4,002,424	2,460,845	238,351	3,317,046	158,291	685,378
Middle Atlantic.....	1,790,821	1,960,007	14,656,806	10,550,806	1,076,591	12,030,104	714,230	2,626,702
East North Central.....	14,461,609	16,047,251	102,738,278	61,404,163	7,634,179	88,825,333	6,826,880	13,912,945
West North Central.....	21,281,609	24,427,938	183,466,287	106,372,079	12,642,984	166,637,349	8,638,525	16,818,938
South Atlantic.....	5,963,920	5,562,762	22,834,588	12,738,747	3,877,400	19,167,812	2,066,520	3,666,546
East South Central.....	5,438,606	6,645,348	25,551,000	16,865,699	3,664,939	22,286,615	1,773,667	3,264,385
West South Central.....	7,021,945	6,402,479	32,631,977	16,367,505	4,842,112	28,312,087	2,179,833	4,319,890
Mountain.....	640,911	399,680	5,114,499	1,853,665	408,069	4,441,908	232,842	672,691
Pacific.....	1,190,263	1,061,277	8,362,679	4,364,822	749,472	7,139,804	440,791	1,212,875
<b>NEW ENGLAND:</b>								
Maine.....	87,166	79,018	948,094	516,015	54,326	804,966	32,830	143,129
New Hampshire.....	45,237	51,211	504,174	357,573	28,506	431,973	16,732	72,201
Vermont.....	94,821	95,060	974,779	620,169	54,537	798,821	40,284	175,948
Massachusetts.....	103,018	78,925	978,989	549,617	62,368	809,431	40,650	169,558
Rhode Island.....	14,038	11,608	123,647	90,614	8,167	98,492	5,881	25,155
Connecticut.....	52,372	46,447	472,741	326,857	30,448	373,354	21,914	99,387
<b>MIDDLE ATLANTIC:</b>								
New York.....	666,179	676,639	5,905,272	3,794,332	364,375	4,098,066	301,804	1,207,306
New Jersey.....	147,006	175,387	1,127,400	928,179	86,699	935,728	60,306	191,312
Pennsylvania.....	977,637	1,107,981	7,624,494	5,830,285	625,517	6,396,310	352,120	1,298,184
<b>EAST NORTH CENTRAL:</b>								
Ohio.....	3,105,627	3,188,663	19,412,730	11,813,168	1,574,009	16,180,493	1,531,618	3,232,237
Indiana.....	3,613,906	3,763,389	23,739,586	13,804,893	1,908,258	20,433,328	1,707,648	3,306,258
Illinois.....	4,886,362	5,916,468	36,210,179	23,618,781	2,603,062	32,416,905	2,063,000	3,793,374
Michigan.....	1,245,833	1,165,200	9,755,042	4,688,698	656,921	8,284,483	589,912	1,470,559
Wisconsin.....	1,809,331	2,014,631	13,620,741	7,580,423	894,929	11,510,224	914,402	2,110,517
<b>WEST NORTH CENTRAL:</b>								
Minnesota.....	1,520,257	1,440,506	13,929,127	6,865,590	833,970	12,277,431	686,287	1,651,696
Iowa.....	7,645,853	9,723,791	69,695,218	43,764,176	4,299,499	63,976,554	3,246,654	5,716,664
Missouri.....	4,438,194	4,624,664	31,937,573	16,633,935	2,800,281	28,578,552	1,637,913	3,359,021
North Dakota.....	331,603	191,793	3,162,909	930,470	199,707	2,797,423	131,896	355,486
South Dakota.....	1,009,721	823,120	10,387,093	3,540,072	658,181	9,598,656	351,540	738,437
Nebraska.....	3,438,724	4,128,000	29,649,482	18,660,932	1,970,896	27,157,456	1,404,829	2,492,026
Kansas.....	3,000,187	3,594,859	24,706,885	17,076,904	1,889,451	22,251,277	1,119,706	2,456,908
<b>SOUTH ATLANTIC:</b>								
Delaware.....	49,260	46,732	337,910	234,472	34,101	288,364	15,159	49,546
Maryland.....	301,683	317,902	1,765,857	1,329,143	195,415	1,476,180	105,168	289,677
District of Columbia.....	665	802	9,382	4,097	435	7,831	230	1,551
Virginia.....	797,635	946,443	4,165,680	2,572,524	525,328	3,507,001	271,307	658,679
West Virginia.....	328,188	442,844	2,087,302	1,389,808	211,463	1,779,060	116,725	308,342
North Carolina.....	1,227,625	1,300,469	4,638,046	2,516,410	802,279	3,861,361	425,346	776,685
South Carolina.....	665,211	618,995	2,552,344	1,411,516	421,973	2,168,347	243,238	393,997
Georgia.....	1,783,684	1,424,298	5,429,016	2,577,950	1,141,385	4,547,835	642,299	881,181
Florida.....	810,069	464,277	1,848,731	702,827	643,021	1,541,843	297,048	366,888
<b>EAST SOUTH CENTRAL:</b>								
Kentucky.....	1,491,816	1,954,637	8,951,692	5,176,183	1,038,458	7,934,000	453,328	1,017,692
Tennessee.....	1,887,984	1,976,984	7,329,622	4,838,713	1,031,137	6,693,762	356,801	735,866
Alabama.....	1,266,733	1,423,329	4,356,820	2,887,230	815,446	3,678,808	451,287	678,012
Mississippi.....	1,292,119	1,290,498	4,913,166	2,963,573	779,868	4,080,345	512,251	832,821
<b>WEST SOUTH CENTRAL:</b>								
Arkansas.....	1,518,947	1,712,307	5,170,924	2,981,309	1,150,767	4,607,067	366,180	563,867
Louisiana.....	1,327,605	788,425	3,824,064	1,494,284	838,321	3,183,728	489,284	640,318
Oklahoma.....	1,839,030	1,235,133	11,997,641	4,286,225	1,211,876	10,440,178	627,154	1,557,463
Texas.....	2,336,363	2,665,614	11,639,366	7,605,687	1,641,148	10,861,124	685,215	1,558,242
<b>MOUNTAIN:</b>								
Montana.....	99,261	49,496	858,829	281,402	56,342	720,365	42,919	138,464
Idaho.....	178,346	114,080	1,398,727	480,338	118,907	1,246,634	59,409	152,093
Wyoming.....	33,947	15,471	301,716	78,145	23,301	271,694	10,646	30,022
Colorado.....	179,294	101,198	1,568,158	482,722	110,922	1,360,907	68,372	207,251
New Mexico.....	45,409	20,426	279,861	81,644	31,784	241,613	13,625	34,088
Arizona.....	17,208	15,103	113,714	80,587	10,422	91,479	6,786	22,235
Utah.....	64,286	65,732	445,653	293,115	42,107	382,284	22,179	63,309
Nevada.....	23,160	15,174	151,851	75,712	14,284	126,632	8,876	25,219
<b>PACIFIC:</b>								
Washington.....	206,135	181,535	1,674,927	830,704	127,356	1,431,286	78,779	243,641
Oregon.....	217,577	281,406	1,570,949	1,057,037	139,306	1,361,694	78,271	309,255
California.....	766,551	599,336	5,106,803	2,476,781	482,510	4,346,824	283,741	769,979

\* Includes Indian Territory.

Table 26 shows the number of swine reported at each of the last four censuses. The figures for 1910, as already stated, are not closely comparable with the others. The increase in the number of swine since 1880 has fallen far short of keeping pace with the growth of population. It is probable, however, that, on account of the improvement in methods of raising and marketing swine, the increase in the actual annual production for market (both in number and in weight) has been more rapid than the increase in the number of hogs and pigs living on any given date, as shown in this table.

**Table 26**

DIVISION.	SWINE.			
	1910	1900	1890	1880
<b>United States.....</b>	<b>58,188,676</b>	<b>62,868,041</b>	<b>57,426,859</b>	<b>49,772,670</b>
New England.....	536,642	372,189	2,407,590	362,153
Middle Atlantic.....	1,790,521	1,960,097	2,345,759	2,138,944
East North Central.....	14,461,059	16,047,251	14,995,448	13,590,908
West North Central.....	21,281,509	24,427,038	22,629,184	14,527,709
South Atlantic.....	5,955,990	5,558,762	5,082,321	5,720,132
East South Central.....	5,438,606	6,548,348	6,544,683	6,790,094
West South Central.....	7,021,945	6,402,479	4,353,903	5,422,141
Mountain.....	640,911	399,680	175,429	1105,015
Pacific.....	1,190,283	1,061,277	1,892,542	1,095,688

<sup>1</sup> Includes estimated number of swine on public ranges.

### SHEEP AND GOATS ON FARMS.

**United States as a whole.**—The effect of the change in the date of enumeration and method of classification in rendering the statistics of the last two censuses incomparable is probably somewhat greater in the case of sheep than in the case of cattle. No

age classification was made at either census for goats.

The following statement shows the designations applied to the several classes of sheep at each of the last two censuses and the number reported in each class, and also the totals for goats:

**Table 27**

1910 (APRIL 15).

Class as defined on schedule.	Corresponding age limits.	Number.
<b>All sheep and goats.....</b>		<b>55,362,986</b>
Sheep and lambs.....		52,447,861
Ewes born before Jan. 1, 1910.....	Over 34 months.....	31,933,797
Rams and wethers born before Jan. 1, 1910.....	Over 34 months.....	7,710,249
Lambs born after Jan. 1, 1910.....	Under 34 months.....	12,803,815
Goats and kids (all ages).....		2,915,125

1900 (JUNE 1).

Class as defined on schedule.	Corresponding limits of date of birth.	Number.	Number.	Per cent.
<b>All sheep and goats.....</b>		<b>63,374,812</b>	<b>48,011,326</b>	<b>-12.6</b>
Sheep and lambs.....		61,503,713	49,055,852	-14.7
Sheep (ewes) 1 year old and over.....	Before June 1, 1899.....	31,857,662	76,146	0.2
Sheep (rams and wethers) 1 year old and over.....	Before June 1, 1899.....	7,996,315	285,066	-3.6
Lambs under 1 year.....	After June 1, 1899.....	21,650,746	8,846,931	-40.9
Goats (all ages).....		1,870,599	1,044,526	55.8

<sup>1</sup> A minus sign (—) denotes decrease.

The total number of sheep reported as on farms and ranges on April 15, 1910, was 52,448,000, as compared with 61,504,000 on June 1, 1900, a decrease of 9,056,000, or 14.7 per cent. This decrease, however, is due partly to the change in the date of enumeration. Many lambs are born during the interval between April 15 and June 1. Furthermore, on many ranches in the West the lambs are not definitely counted so early in the year as April 15, and it seems likely that in some such cases ranchmen failed to make any estimate of the lambs.

In view of the fact that, even after making necessary allowances, as discussed below, the number of ewes 1 year of age or over on June 1, 1910, was probably less than 1,000,000 short of the number on the same date in 1900, it seems likely that, if the enumeration of 1910 had been made as of June 1, there would have been nearly as many lambs less than 1 year old as were reported 10 years before, probably in the neighborhood of 21,000,000, as compared with 21,651,000 in 1900. Of these, however, a comparatively small number would have consisted of animals born between June 1, 1909, and January 1, 1910, which are already included, under the classification of 1910, in the returns of ewes and rams and wethers. After deducting these there would probably have remained on June 1, 1910, about 19,000,000 or 20,000,000 spring lambs, or 6,000,000 or 7,000,000 more than the number reported on April 15, which was 12,804,000. The number of

older sheep, however, would, on account of slaughter and deaths from other causes, have been less on June 1 than on April 15—perhaps by between 1,000,000 and 2,000,000. In view of all these considerations, it would seem that, if the enumeration of 1910 had been made as of June 1, there would have been between 56,000,000 and 58,000,000 sheep and lambs, as compared with 61,504,000 on June 1, 1900.

The number of ewes was reported in 1910 as 31,934,000 and in 1900 as 31,858,000, there being thus nominally a slight increase. In order to make the figures comparable, however, it would be necessary to deduct from the number of ewes reported on April 15, 1910, the comparatively small number born between June 1, 1909, and January 1, 1910, which would have been classed as lambs at the census of 1900, and also to deduct the comparatively small number of ewes slaughtered or otherwise eliminated during the six weeks from April 15 to June 1. The whole number to be deducted would probably be less than one million. In the case of rams and wethers, the number to be deducted from the returns of 1910, on account of slaughter between April 15 and June 1, would be relatively greater than in the case of ewes, so that had the date of enumeration and the method of classification been the same at the two censuses a considerably greater decrease would have appeared than is shown in the table.

Despite the change in the date of enumeration, the number of goats and kids increased from 1,871,000 in 1900 to 2,915,000 in 1910.

The following statement shows the value of sheep and goats and the number of farms reporting them:

Table 28	SHEEP. <sup>1</sup>				All goats and kids.
	All sheep and lambs.	Ewes.	Rams and wethers.	Lambs.	
1910—Number.....	52,447,881	31,933,797	7,710,249	12,803,815	2,915,125
Value.....	\$232,841,583	\$164,855,514	\$38,660,830	\$29,325,441	\$6,176,423
Average value.....	\$4.41	\$5.16	\$5.01	\$2.29	\$2.12
Farms reporting.....	610,894	590,878	297,138	470,626	82,755
Per cent of all farms.....	9.6	9.3	4.7	7.4	1.3
1900—Number.....	61,503,713	31,857,652	7,995,315	12,650,746	1,870,599
Value.....	\$170,203,119	\$101,288,730	\$26,808,061	\$42,016,328	\$3,265,349
Average value.....	\$2.77	\$3.18	\$3.36	\$1.94	\$1.75

<sup>1</sup> For definition of the subjects at the two censuses, see preceding table.

Table 29	INCREASE IN NUMBER: 1900 TO 1910 <sup>1</sup>						PER CENT OF TOTAL NUMBER IN UNITED STATES.										AVERAGE NUMBER PER 1,000 ACRES OF LAND IN FARMS.									
	All sheep.		Sheep (excluding lambs).		All goats.		All sheep and goats.		All sheep.		All sheep before Jan. 1, 1910.		All goats.		All sheep and goats.		All sheep.		All sheep before Jan. 1, 1910.		All goats.					
	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	1910	1900	1910	1900	Sheep born before Jan. 1, 1910.	Lambs born after Jan. 1, 1910.	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900				
DIVISION OR SECTION.	-9,055,852	-14.7	-208,921	-0.5	1,044,526	55.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	63	76	60	73	45	15	3	2				
United States.....	-491,880	-53.2	-256,774	-45.6	1,016	46.2	0.8	1.5	0.8	1.5	0.8	1.0	0.1	0.1	22	45	22	45	16	6	(2)	(2)				
New England.....	-1,480,485	-44.5	-709,907	-36.0	3,374	80.2	3.3	5.3	3.5	5.4	3.2	4.6	0.3	0.2	43	74	43	74	29	14	(2)	(2)				
Middle Atlantic.....	-1,674,039	-14.9	-305,336	-5.3	9,523	37.3	17.3	17.7	18.2	18.2	16.5	23.5	1.2	1.4	81	97	81	96	55	26	(2)	(2)				
East North Central.....	100,720	2.0	369,218	11.7	18,715	19.8	9.4	8.0	9.7	8.1	8.9	12.0	3.9	5.1	22	25	22	25	15	7	(2)	(2)				
West North Central.....	-185,302	-6.9	-153,501	-9.0	5,812	2.8	4.9	4.6	4.8	4.4	3.9	7.5	7.2	11.0	21	28	24	29	15	9	2	2				
South Atlantic.....	73,182	3.0	24,103	1.6	-12,005	-5.7	4.9	4.2	4.8	3.9	3.8	7.7	6.8	11.3	33	32	31	30	19	12	3	3				
East South Central.....	-260,777	-10.6	-176,673	-9.6	544,450	74.4	6.3	5.0	4.2	4.0	4.2	4.1	43.8	39.1	21	18	13	14	10	3	8	4				
West South Central.....	-4,195,861	-15.6	1,525,400	8.5	302,752	96.8	42.5	43.1	43.4	43.8	49.2	25.5	23.3	20.0	395	538	383	531	328	55	12	8				
Mountain.....	-941,359	-14.4	-465,451	-11.0	110,857	50.0	10.7	10.7	10.7	10.7	9.5	14.2	11.4	11.8	115	145	106	138	74	35	7	5				
Pacific.....	-3,545,684	-17.4	-962,799	-7.6	32,630	25.8	30.8	32.4	32.2	33.2	29.3	41.0	5.5	6.8	41	54	41	53	28	13	(2)	(2)				
The North.....	-372,957	-4.9	-305,071	-6.1	538,257	46.9	16.1	13.8	13.7	12.3	11.9	19.3	57.8	61.4	25	24	20	21	13	7	5	3				
The South.....	-5,157,211	-15.3	1,659,949	4.8	473,529	79.4	53.2	53.8	54.1	54.5	58.7	39.6	36.7	31.8	266	304	236	357	210	46	10	6				
The West.....	-3,758,590	-18.3	-1,461,415	-11.6	7,722	1.7	31.2	32.1	33.2	28.2	44.2	5.6	23.9	49	47	57	46	56	31	16	1	3				
East of Mississippi.....	-5,297,202	-12.9	1,252,494	4.6	1,036,804	72.9	68.8	66.8	67.9	66.5	71.8	55.8	84.4	76.1	74	90	70	87	56	14	5	1				
West of Mississippi.....																										

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Less than 1 animal per 1,000 acres of land.

In considering the geographic distribution of the total number of sheep and of goats reported for April 15, 1910, it should be borne in mind that, owing to differences in climatic conditions, the spring lambs and kids are born earlier in some sections than in others. Greater significance attaches to the figures for "mature" sheep. Of the sheep born before January 1, 1910, the Mountain division reported nearly one-half (49.2 per cent) and the East North Central division about one-sixth (16.5 per cent). The North as a whole contained 29.3 per cent, the South 11.9 per cent, and the West 58.7 per cent.

For reasons indicated above there were marked differences in 1910 in the ratios of lambs to ewes in the several divisions. In the East North Central division the number of lambs reported was equal to 54.3 per cent of the number of ewes, and in the Pacific division to 62.7 per cent, whereas in the Mountain division the ratio was only 21.4 per cent.

There are also decided differences among the several divisions with respect to the ratio which the number of rams and wethers bears to the number of ewes, as shown by Table 32. In some divisions most of the male animals are sold for slaughter at an early age, while in others a large proportion are kept for wool.

The distribution of goats is quite different from that of sheep. The leading division is the West South

Central, which reported 43.8 per cent of the total in 1910. Very few goats are found in the North.

The average number of sheep and goats combined per 1,000 acres of land in farms in the United States as a whole was 63 on April 15, 1910, as compared with 76 on June 1, 1900. Of "mature" sheep, the figures for which are more nearly comparable, the average number per 1,000 acres was 45 in 1910, and 48 in 1900. In 1910 there were in the Mountain division 328 sheep born before January 1 per 1,000 acres of land in farms, but it should be noted that many sheep in this division are kept on public range land and not on farms.

Comparisons among the several geographic divisions with respect to the increase or decrease between 1900 and 1910 in the total number of sheep are much less satisfactory than comparisons based on the number of mature sheep. There was a considerable increase in the number of mature sheep of both sexes combined in the Mountain and West North Central divisions, and a small increase in the East South Central division. As shown by Table 32, however, mature ewes decreased in the East North Central division, while rams and wethers decreased in the East South Central division and increased in the East North Central. In all of the divisions except the four above mentioned there was a decrease in both these classes during the decade.

The following statement shows the average value per head of sheep and goats at the last two censuses:

Table 30

DIVISION.	AVERAGE VALUE PER HEAD.						All goats and kids.
	All sheep.		Ewes.	Rams and wethers.	Lambs born after Jan. 1.		
	1910	1900	1910	1910	1910	1910 1900	
United States...	\$4.44	\$2.77	\$5.18	\$5.01	\$2.29	\$2.12	\$1.75
New England.....	4.29	2.90	4.99	6.53	2.35	5.77	5.38
Middle Atlantic.....	4.85	3.24	5.98	5.45	2.58	5.61	4.37
East North Central....	4.09	2.86	5.23	4.88	1.72	3.16	2.69
West North Central....	4.60	3.22	5.67	5.69	2.14	2.87	3.44
South Atlantic.....	3.61	2.51	4.34	3.58	2.60	1.12	0.85
East South Central....	3.73	2.64	4.32	3.71	2.92	1.33	0.94
West South Central....	3.29	2.02	3.70	3.92	1.82	2.13	1.44
Mountain.....	4.90	2.73	5.29	5.28	2.58	2.36	2.05
Pacific.....	4.02	2.60	4.88	4.60	2.38	4.45	2.93

The average value of all sheep per head on April 15, 1910, was \$4.44, as compared with \$2.77 on June 1, 1900. These figures are less significant than those for the "mature" animals alone. The average value of ewes for the country as a whole increased from \$3.18 in 1900 to \$5.16 in 1910, notwithstanding the fact that the average age of the animals classed as ewes was somewhat lower in 1910 than in 1900. The average value of rams and wethers in 1910 was \$5.01, as compared with \$3.36 in 1900. The average value of all goats was \$2.12 in 1910, as compared with \$1.75 in 1900, thus showing a much smaller increase than the value of sheep. An extraordinary range appears in

the average value of goats. In the West South Central division, which leads in the total number of goats, the average value was \$2.13.

For ewes born before 1910 the average value was highest (\$5.98 per head) in the Middle Atlantic division, next highest (\$5.67) in the West North Central division, and lowest (\$3.70) in the West South Central division.

The following statement shows the number of sheep (excluding lambs) at each census from 1880 to 1910. The figures for 1910, as already explained, should be reduced, perhaps by 3 or 4 per cent, in order to make them strictly comparable with the returns for 1900. It is probable that some lambs were included with the sheep at the enumerations of 1880 and 1890. The returns, as given below, would indicate a gradual though slight decrease in the total number of sheep (excluding lambs) during each decade since 1880.

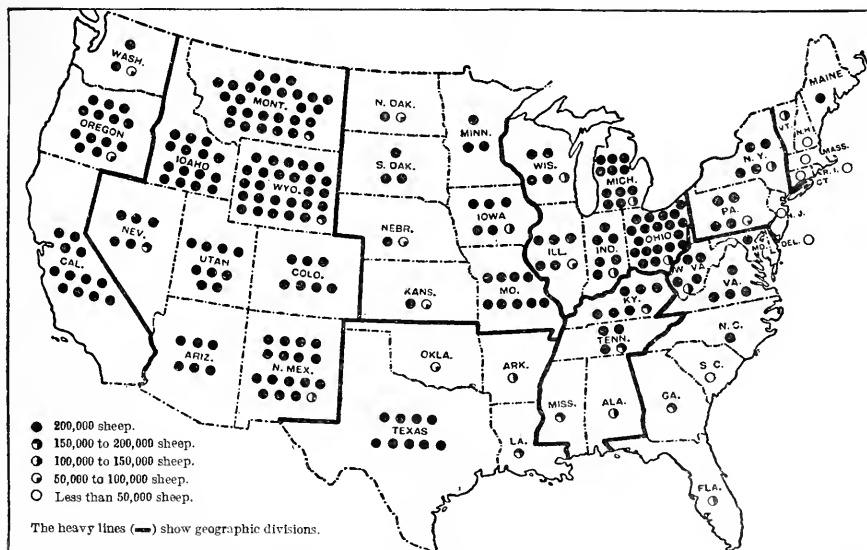
Table 31

DIVISION.	SHEEP (EXCLUDING LAMBS).			
	1910	1900	1890	1880
United States.....	39,644,046	39,852,967	40,876,312	42,192,074
New England.....	306,443	563,217	936,532	1,362,234
Middle Atlantic.....	1,240,455	1,970,362	3,196,495	3,608,798
East North Central....	6,534,854	6,900,190	9,449,783	10,596,266
West North Central....	3,524,749	3,152,531	2,882,371	3,099,623
South Atlantic.....	1,552,698	1,706,199	2,445,386	2,579,046
East South Central....	1,513,833	1,489,730	2,316,279	2,308,290
West South Central....	1,662,445	1,839,118	1,476,918	1,409,021
Mountain.....	19,569,675	17,984,275	19,519,933	17,097,142
Pacific.....	3,778,894	4,244,345	5,418,615	7,484,394

<sup>1</sup> Includes estimated number of sheep on public ranges.

### ALL SHEEP ON FARMS.

NUMBER, BY STATES: APRIL 15, 1910.



## SHEEP AND GOATS ON FARMS—NUMBER AND VALUE OF SHEEP, BY AGE

[See text with reference to date of enumeration and change in classification.]

Table 32 DIVISION OR STATE.		ALL SHEEP.				EWES.			
		Number.		Value.		Number.		Value.	
		1910	1900	1910	1900	1910	1900	1910	1900
1	<b>United States.....</b>	<b>52,447,881</b>	<b>81,503,713</b>	<b>\$232,841,585</b>	<b>\$170,203,119</b>	<b>31,933,787</b>	<b>31,857,652</b>	<b>\$154,855,314</b>	<b>\$191,288,730</b>
	<b>GEOGRAPHIC DIVISIONS:</b>								
2	New England.....	430,672	922,558	1,846,797	2,679,634	289,454	527,301	1,443,342	1,741,887
3	Middle Atlantic.....	1,844,057	3,324,542	8,934,933	10,767,037	1,057,902	1,732,522	6,325,992	6,400,238
4	East North Central.....	9,542,234	11,216,273	39,009,830	32,130,046	5,536,905	6,006,474	28,966,091	20,602,825
5	West North Central.....	5,055,009	4,964,283	23,287,792	15,980,743	3,063,164	2,660,058	17,313,989	10,268,049
6	South Atlantic.....	2,513,583	2,698,915	9,085,747	6,761,209	1,345,456	1,381,330	5,845,194	3,767,442
7	East South Central.....	2,496,221	2,423,039	9,299,829	6,393,873	1,342,911	1,223,888	5,795,000	3,372,779
8	West South Central.....	2,193,557	2,454,434	7,226,258	4,970,206	1,153,916	1,215,247	4,267,001	2,589,626
9	Mountain.....	22,770,291	26,066,152	111,656,290	73,501,804	15,262,412	13,827,002	80,791,588	42,747,743
10	Pacific.....	5,592,167	6,533,517	22,494,109	17,017,607	2,891,677	3,274,830	14,107,137	9,618,141
	<b>NEW ENGLAND:</b>								
11	Maine.....	206,434	420,116	812,976	1,116,483	143,738	240,717	655,661	709,720
12	New Hampshire.....	43,772	105,113	102,346	309,451	29,075	61,296	148,381	201,388
13	Vermont.....	118,551	296,676	538,991	881,402	78,996	168,292	430,077	697,117
14	Massachusetts.....	32,708	52,559	166,498	193,596	20,912	30,441	111,140	125,357
15	Rhode Island.....	6,789	11,207	32,637	41,282	3,952	5,901	21,601	22,575
16	Connecticut.....	22,418	36,987	112,349	137,420	12,781	20,556	76,482	85,730
	<b>MIDDLE ATLANTIC:</b>								
17	New York.....	930,300	1,745,746	4,839,651	6,921,941	568,829	938,215	3,678,912	3,729,631
18	New Jersey.....	30,683	47,730	161,138	202,490	15,719	24,744	93,277	109,540
19	Pennsylvania.....	883,074	1,531,096	3,934,144	4,642,606	473,354	769,463	2,553,893	2,651,067
	<b>EAST NORTH CENTRAL:</b>								
20	Ohio.....	3,909,162	4,030,628	14,941,381	10,956,308	2,188,951	2,090,093	10,341,877	6,790,239
21	Indiana.....	1,336,967	1,742,002	5,908,496	5,794,976	742,576	940,387	4,400,050	3,776,066
22	Illinois.....	1,059,846	1,030,581	4,843,736	3,706,642	583,487	548,853	3,500,553	2,341,230
23	Michigan.....	2,306,476	2,747,009	9,646,565	7,162,664	1,433,253	1,508,503	7,740,967	4,737,021
24	Wisconsin.....	929,783	1,675,453	3,660,652	4,510,356	588,628	918,638	2,982,554	3,048,269
	<b>WEST NORTH CENTRAL:</b>								
25	Minnesota.....	637,582	559,878	2,693,424	1,740,088	417,652	329,984	2,190,295	1,205,275
26	Iowa.....	1,145,549	1,055,718	5,748,836	3,956,142	676,687	576,104	4,381,545	2,610,908
27	Missouri.....	1,811,268	1,087,213	7,888,878	3,350,846	1,014,469	587,757	5,707,617	2,060,859
28	North Dakota.....	283,371	681,952	1,257,737	1,987,136	187,249	340,273	913,530	1,193,611
29	South Dakota.....	611,264	775,236	3,002,038	2,434,206	412,648	422,042	2,304,684	1,603,327
30	Nebraska.....	293,600	511,273	1,486,948	1,678,498	177,877	279,073	974,667	1,102,871
31	Kansas.....	272,476	262,013	1,209,931	833,827	166,582	133,825	941,651	491,198
	<b>SOUTH ATLANTIC:</b>								
32	Delaware.....	7,806	11,765	36,898	43,588	3,924	6,360	19,535	22,899
33	Maryland.....	237,137	191,101	1,142,965	696,531	119,806	101,006	648,094	381,448
34	District of Columbia.....								
35	Virginia.....	804,873	692,929	3,300,026	2,089,779	413,273	363,549	2,022,839	1,135,069
36	West Virginia.....	910,360	968,843	3,400,901	2,664,556	499,064	497,247	2,410,151	1,554,696
37	North Carolina.....	214,473	301,941	559,217	477,421	120,810	164,105	367,950	276,389
38	South Carolina.....	37,569	71,538	81,362	111,770	22,368	40,478	51,845	66,202
39	Georgia.....	187,644	336,278	308,212	438,363	105,041	162,704	184,193	221,603
40	Florida.....	113,701	124,520	256,166	239,261	61,170	55,881	140,590	109,136
	<b>EAST SOUTH CENTRAL:</b>								
41	Kentucky.....	1,363,013	1,297,343	5,573,998	4,191,205	723,682	647,838	3,469,817	2,172,170
42	Tennessee.....	795,033	496,011	3,009,196	1,179,424	429,902	256,032	1,897,706	661,708
43	Alabama.....	142,930	317,053	299,919	458,299	80,276	157,830	181,767	259,428
44	Mississippi.....	105,245	312,632	416,716	534,945	109,051	162,188	245,710	280,401
	<b>WEST SOUTH CENTRAL:</b>								
45	Arkansas.....	144,189	256,929	327,984	437,317	80,285	130,700	211,703	240,681
46	Louisiana.....	178,287	219,844	343,046	333,040	100,494	114,414	210,308	185,840
47	Oklahoma.....	62,472	188,363	253,864	1,217,732	41,699	145,969	192,534	1,125,588
48	Texas.....	1,808,709	1,889,298	6,301,364	3,982,117	931,628	924,174	3,652,164	2,087,617
	<b>MOUNTAIN:</b>								
49	Montana.....	5,380,746	6,170,483	29,028,069	18,165,404	3,261,686	2,995,795	18,690,188	10,105,384
50	Idaho.....	3,010,478	3,121,532	15,897,192	8,294,776	1,810,944	1,611,090	11,294,338	4,947,388
51	Wyoming.....	5,397,161	5,099,613	29,666,228	16,310,096	3,964,463	2,498,914	22,938,391	9,391,096
52	Colorado.....	1,426,214	2,044,814	6,585,187	5,584,897	1,111,336	1,089,680	5,465,629	3,417,731
53	New Mexico.....	3,346,984	4,899,487	12,072,037	10,643,514	2,359,565	2,850,876	9,149,625	6,828,816
54	Arizona.....	1,226,733	924,761	4,400,514	1,901,764	752,413	452,271	3,031,764	1,661,358
55	Utah.....	1,827,180	3,818,423	8,634,735	10,286,488	1,340,595	1,893,802	6,709,594	5,895,818
56	Nevada.....	1,154,795	887,039	5,101,328	2,344,805	681,410	434,574	3,512,039	1,300,152
	<b>PACIFIC:</b>								
57	Washington.....	475,555	929,873	1,931,170	2,450,929	228,377	469,158	1,121,445	1,382,745
58	Oregon.....	260,135	3,040,291	12,213,942	7,563,447	1,447,785	1,480,282	8,070,909	4,188,763
59	California.....	2,417,477	2,563,353	8,348,997	7,003,231	1,217,515	1,335,390	4,914,783	4,046,633

1 Includes Indian Territory.



## LIVE STOCK ON FARMS AND ELSEWHERE.

333

AND SEX GROUPS, AND OF GOATS, BY DIVISIONS AND STATES: 1910 AND 1900.

[See text with reference to date of enumeration and change in classification.]

	RAMS AND WETHERS.				LAMBS.				ALL GOATS AND KIDS.			
	Number.		Value.		Number.		Value.		Number.		Value.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
1	7,710,249	7,955,315	\$38,680,830	\$26,998,041	12,803,615	21,450,746	\$29,328,441	\$42,016,328	2,515,125	1,870,589	\$5,176,423	\$3,265,349
2	16,989	35,916	110,942	147,519	124,229	359,341	292,513	790,228	3,195	2,179	18,426	11,715
3	202,553	237,840	1,104,926	925,126	583,002	1,254,180	1,504,015	3,351,673	7,588	4,212	41,834	18,399
4	997,940	893,716	4,873,680	3,283,882	3,007,380	4,316,083	5,170,059	8,154,239	35,059	25,536	110,771	68,595
5	471,585	486,473	2,681,105	2,003,162	1,540,260	1,808,752	3,292,098	3,709,532	113,216	94,500	324,714	325,176
6	207,742	324,869	742,315	755,264	900,855	992,716	2,498,238	2,238,563	211,101	205,289	235,758	173,764
7	170,922	265,842	633,565	640,381	982,388	933,309	2,871,264	2,380,713	198,647	210,652	264,565	198,543
8	508,829	623,871	1,994,385	1,540,070	531,212	615,316	964,872	840,510	1,276,231	731,781	2,719,056	1,050,654
9	4,247,263	4,157,273	22,439,895	14,430,839	3,260,616	8,981,877	8,424,827	16,323,222	737,644	374,802	1,738,171	769,536
10	887,217	969,515	4,080,017	3,171,818	1,813,273	2,289,172	4,306,955	4,227,648	332,445	221,578	723,128	648,967
11	6,196	11,496	32,643	42,087	56,500	167,903	125,672	364,706	582	279	2,177	1,091
12	2,126	4,023	12,551	15,538	12,571	39,795	31,414	92,525	465	208	3,459	916
13	5,364	13,876	41,028	58,264	34,191	114,409	67,886	226,021	261	102	1,033	444
14	1,787	3,428	13,898	16,719	10,009	18,690	31,460	51,520	1,251	1,254	7,990	7,188
15	254	728	1,912	3,553	2,583	4,578	9,124	15,154	106	23	982	131
16	1,262	2,366	8,910	11,358	8,375	13,966	26,957	40,302	500	313	2,785	1,945
17	37,260	46,201	281,814	262,127	324,181	761,230	878,925	1,940,183	3,475	1,310	21,432	6,442
18	1,070	1,619	8,341	9,384	13,888	21,367	59,520	83,506	574	699	4,614	3,006
19	164,187	190,030	814,771	663,616	245,533	571,583	565,570	1,327,924	3,591	2,197	15,788	8,951
20	701,212	558,157	3,074,571	1,795,218	1,018,999	1,372,378	1,525,233	2,370,851	5,379	5,432	17,843	16,975
21	69,851	70,261	438,658	337,709	524,540	731,354	1,072,789	1,681,201	7,290	4,484	20,905	8,920
22	74,997	80,297	463,735	375,515	401,362	401,431	879,048	989,897	12,435	8,877	38,564	19,932
23	111,978	117,427	679,784	490,322	761,235	1,121,679	1,225,824	1,935,321	5,080	2,361	14,192	10,008
24	39,911	67,574	219,932	285,118	301,244	689,241	467,166	1,176,969	4,875	3,882	19,267	12,760
25	34,419	29,344	193,642	129,616	185,511	230,550	309,487	410,557	4,588	3,821	18,480	12,908
26	93,230	81,764	387,375	394,259	398,570	586,751	779,916	945,615	20,664	41,468	64,239	146,708
27	101,720	75,946	594,295	290,638	696,079	425,510	1,586,966	999,349	72,415	24,487	187,409	64,786
28	54,143	111,164	244,907	412,119	51,979	230,516	99,300	381,406	1,074	1,122	5,618	5,308
29	88,393	55,296	473,063	365,828	110,223	267,898	224,291	475,051	2,337	2,915	11,422	15,550
30	62,239	56,877	380,679	245,269	53,354	175,323	131,602	330,358	3,290	2,399	11,945	9,126
31	37,441	46,082	207,144	175,433	68,452	82,106	161,136	107,196	8,847	18,288	25,601	71,290
32	491	604	2,698	2,610	3,391	4,801	14,665	18,079	88	143	328	519
33	6,445	10,514	38,791	46,835	110,886	79,581	456,090	268,248	1,182	1,179	5,115	4,023
34									9			39
35	25,446	38,576	154,771	136,929	366,154	300,804	1,122,419	817,781	7,327	5,305	28,286	10,002
36	67,885	75,492	314,500	242,289	343,408	396,104	687,571	5,748	847	20,682	2,123	
37	19,260	44,707	53,809	76,109	74,403	93,129	137,758	124,923	35,019	42,901	43,039	37,997
38	5,558	11,958	12,594	20,203	9,633	19,102	16,923	25,365	24,750	26,576	27,728	24,450
39	48,209	96,190	82,959	132,597	34,394	77,384	41,060	84,163	89,016	84,624	70,059	61,972
40	33,945	46,828	82,493	97,692	18,586	21,811	33,083	32,433	47,371	43,705	40,521	32,639
41	54,472	68,320	276,355	239,384	584,859	581,185	1,827,826	1,779,651	29,869	11,907	61,665	19,753
42	40,435	51,772	186,379	137,591	324,696	188,207	925,111	389,743	43,500	25,884	82,666	38,938
43	28,836	71,468	64,959	124,718	33,818	87,755	53,193	104,153	79,347	117,413	76,361	45,258
44	47,179	74,282	105,872	138,378	39,015	76,162	65,134	107,166	45,871	55,388	43,873	45,994
45	16,232	38,061	41,478	73,128	47,672	88,105	74,803	123,508	58,294	51,839	84,938	58,788
46	38,814	54,820	84,321	97,454	50,610	48,425	49,746	57,102	38,308	57,354	57,354	35,097
47	7,287	15,224	31,682	143,761	13,576	27,180	29,348	146,383	25,591	14,301	62,687	432,392
48	446,196	515,766	1,836,904	1,323,727	430,985	449,358	812,296	620,873	1,135,244	627,332	2,514,077	923,777
49	1,708,149	1,219,419	9,347,063	4,233,491	420,911	1,955,269	990,818	3,806,529	5,045	1,713	22,416	7,570
50	290,386	354,377	1,898,301	1,193,022	990,148	1,156,065	2,704,493	2,133,766	5,719	4,481	36,697	20,107
51	872,102	828,271	5,193,207	3,317,543	570,596	1,772,428	1,534,540	3,601,457	2,739	2,666	16,128	11,884
52	194,260	263,143	1,099,087	1,022,872	120,618	691,991	301,471	1,144,294	31,611	37,433	80,644	73,141
53	535,419	482,867	2,107,914	1,444,138	452,000	1,565,744	814,498	2,370,563	312,050	224,136	939,702	472,961
54	164,187	216,187	635,320	491,578	310,133	256,303	733,230	345,828	246,017	98,403	555,327	167,863
55	330,295	659,332	1,502,373	2,241,804	156,290	1,265,599	422,768	2,318,566	29,014	1,427	75,547	2,702
56	143,466	133,677	666,280	468,794	329,920	318,768	923,009	578,919	4,849	4,633	11,710	12,948
57	68,887	98,864	331,795	339,544	180,291	371,851	477,927	728,640	8,621	2,876	31,662	10,757
58	510,557	481,073	2,421,420	1,455,064	740,793	1,078,936	1,721,513	1,919,620	185,411	109,661	370,637	375,229
59	307,773	389,578	1,326,699	1,377,210	892,189	838,385	2,107,515	1,579,388	138,413	109,021	320,829	262,951

## POULTRY ON FARMS.

The change in the date of enumeration from June 1, at the census of 1900, to April 15, at the census of 1910, should have no very material effect upon the comparability of the statistics of poultry, for the reason that according to the schedules used at both

censuses only fowls 3 months of age or over were to be reported.

The following table shows for 1910 and 1900 the principal facts with regard to each class of fowls in the United States as a whole:

Table 33	All fowls.	Chickens.	Turkeys.	Ducks.	Geese.	Guinea fowls.	Pigeons.	Peafowls.	Ostriches.
1910—Number.....	295,880,190	280,345,133	3,688,708	2,906,525	4,431,980	1,765,031	2,730,994	6,458	5,361
Value.....	\$154,663,220	\$140,205,007	\$6,005,818	\$1,567,104	\$3,194,507	\$613,282	\$762,374	\$18,328	\$1,096,140
Average value.....	\$0.52	\$0.50	\$1.79	\$0.54	\$0.72	\$0.35	\$0.28	\$2.84	\$316.39
Farms reporting.....	5,385,002	5,576,325	871,129	835,794	402,524	339,588	100,407	1,807	29
Per cent of all farms.....	87.8	87.7	13.7	7.9	10.4	5.3	1.7	(1)	(1)
1900—Number.....	250,624,038	233,566,021	6,594,695	4,785,850	5,676,788	(2)	(2)	(2)	684

<sup>1</sup> Less than one-tenth of 1 per cent.

<sup>2</sup> Included with chickens.

<sup>3</sup> Not reported.

The total number of all fowls reported at the census of 1910 was 295,880,000, of which 280,345,000, or 94.7 per cent, consisted of chickens. The number of fowls reported in 1900 was 250,624,000. Excluding pigeons and peafowls, which were not reported in 1900, there was an increase between 1900 and 1910 of 42,519,000, or 17 per cent. The increase was wholly confined to chickens, as there was a marked decrease in turkeys, ducks, and geese. The total value of all fowls in 1910 was \$154,663,000, or an average of 52

cents per fowl, while the total value in 1900 was \$85,808,000, or an average of 34 cents per fowl, the average value having thus increased 52.9 per cent. The average values of the separate classes of poultry were not reported in 1900.

The following table gives, for each geographic division and section, statistics as to the number and value of the different kinds of fowls reported. It shows also what percentage of the total number was found in each division.

DIVISION OR SECTION.	CHICKENS.				TURKEYS.				DUCKS.			
	Number.		Per cent. of increase.	Value.	Number.		Per cent. of increase.	Value.	Number.		Per cent. of increase.	Value.
	1910	1900			1910	1900			1910	1900		
United States.....	280,345,133	233,566,021	20.0	\$140,205,007	3,688,708	6,594,695	-44.1	\$6,005,818	2,906,525	4,785,850	-39.3	\$1,567,104
New England.....	6,841,918	6,440,676	6.2	4,975,551	24,255	46,551	-48.2	74,725	51,929	91,421	-43.2	51,014
Middle Atlantic.....	24,449,500	21,511,436	13.7	16,346,161	252,546	483,081	-47.7	628,191	369,706	302,159	2.1	295,836
East North Central.....	69,471,413	58,104,189	19.6	36,000,410	701,342	1,501,507	-53.5	1,530,198	545,672	1,018,730	-46.4	319,815
West North Central.....	85,192,651	65,304,879	30.3	41,207,285	833,472	1,571,149	-47.0	1,563,291	809,620	1,597,091	-42.1	411,787
South Atlantic.....	25,627,003	22,283,912	15.0	11,394,700	526,511	810,975	-35.1	906,226	330,054	458,918	-28.1	151,377
East South Central.....	24,495,054	22,965,571	6.7	10,272,636	483,741	792,170	-38.9	792,289	344,453	559,111	-38.4	129,862
West South Central.....	17,616,294	17,333,880	6.7	10,393,418	620,791	1,084,212	-42.7	771,538	348,852	697,957	-50.0	127,488
Mountain.....	5,407,345	5,116,439	76.4	3,005,103	85,703	81,408	6.5	183,042	42,262	51,477	-17.9	32,407
Pacific.....	9,623,957	6,434,457	49.6	5,501,333	159,340	223,542	-29.7	356,253	63,997	148,500	-56.9	47,579
The North.....	155,855,482	151,421,182	22.2	99,138,417	1,811,615	3,002,388	-39.7	5,006,405	1,776,927	2,899,907	-38.1	1,078,451
The South.....	79,298,351	72,593,543	9.2	32,500,754	1,631,050	2,687,357	-39.3	2,470,113	1,023,359	1,715,966	-40.4	408,727
The West.....	15,091,300	9,551,296	58.0	8,506,436	246,043	304,950	-19.3	539,300	106,239	199,977	-46.9	79,366
East of the Mississippi.....	150,854,888	131,315,967	14.9	80,008,458	1,988,492	3,674,384	-45.3	3,731,629	1,641,814	2,490,335	-34.1	947,903
West of the Mississippi.....	129,460,245	102,250,055	26.0	60,196,549	1,700,206	2,960,311	-42.6	2,874,189	1,304,711	2,296,515	-44.9	619,201

DIVISION OR SECTION.	GESE.			GUINEA FOWLS. <sup>1</sup>			PIGEONS. <sup>4</sup>		PEAFOWLS. <sup>4</sup>		PER CENT OF TOTAL NUMBER IN UNITED STATES.									
	Number.		Per cent. of increase.	Number.		Value.	Number.		Number.		All fowls.		Chickens and guinea fowls.		Turkeys.		Ducks.		Geese.	
	1910	1900		1910	1900	1910	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
United States.....	4,431,980	5,676,788	-21.9	83,194,507	1,765,031	\$613,282	2,730,994	\$782,374	6,458,318	328	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New England.....	27,202	27,206	-0.3	57,553	37,852	25,865	65,451	53,468	29	283	2.4	2.6	2.4	2.8	0.7	0.7	1.8	1.9	0.6	0.5
Middle Atlantic.....	84,797	117,231	-27.7	140,328	166,729	81,501	680,966	281,768	351	1,601	8.8	9.0	8.7	9.2	6.8	7.3	12.7	7.6	1.9	2.1
East North Central.....	638,907	933,517	-31.6	656,291	232,312	77,197	580,162	76,744	574	1,343	24.3	24.6	24.7	24.9	19.0	22.8	18.8	21.3	14.4	16.4
West North Central.....	901,045	965,209	-6.4	862,561	223,998	75,129	602,492	103,051	1,210	3,254	50.0	27.6	30.5	28.0	22.6	25.8	27.9	21.7	17.0	17.0
South Atlantic.....	679,872	908,908	-25.2	402,756	413,032	143,165	250,517	91,279	1,175	2,704	9.4	9.8	9.2	9.5	14.3	13.2	11.4	9.6	15.3	16.0
East South Central.....	1,145,929	1,534,894	-25.3	548,130	342,026	104,202	105,950	33,013	1,416	3,046	9.1	10.3	8.8	9.8	13.1	12.0	11.7	11.7	28.9	27.0
West South Central.....	824,120	1,054,270	-21.8	425,262	333,498	95,715	197,155	31,501	1,120	3,149	10.6	12.0	10.5	11.7	16.8	16.4	12.0	14.6	18.6	18.6
Mountain.....	26,946	15,676	71.9	45,431	8,383	5,247	72,741	19,546	229	1,177	1.9	3.3	1.9	1.3	2.4	1.2	1.5	1.1	0.6	0.3
Pacific.....	43,162	119,487	-63.9	56,155	7,291	5,261	284,530	82,014	363	1,769	3.4	2.8	3.4	2.8	4.3	3.4	2.2	3.1	1.0	2.1
The North.....	1,711,931	2,013,553	-16.2	1,716,733	660,891	259,692	1,790,101	515,031	2,164	6,483	65.5	63.8	66.1	64.8	49.1	54.6	61.1	60.0	38.6	36.0
The South.....	726,921	5,438,072	-24.2	1,576,101	1,083,466	343,088	1,534,622	148,749	1,811	8,259	29.2	32.1	28.5	31.1	44.2	40.8	35.2	28.9	59.8	58.6
The West.....	70,108	135,103	-48.1	101,606	15,674	10,508	337,271	101,550	583	2,945	5.4	5.1	6.1	4.1	6.7	4.6	3.7	4.2	1.6	2.4
East of the Mississippi.....	2,576,707	3,522,146	-26.8	1,806,078	1,191,951	431,930	1,514,076	526,272	3,545	8,979	54.0	56.2	53.9	56.2	53.9	55.1	56.5	52.0	58.1	62.0
West of the Mississippi.....	1,855,273	2,154,642	-13.9	1,339,429	573,080	181,352	1,216,918	336,102	2,913	9,349	46.0	43.8	46.1	43.8	46.1	44.9	43.5	48.0	41.9	38.0

<sup>1</sup> Includes guinea fowls.

<sup>2</sup> A minus sign (—) denotes decrease.

<sup>3</sup> Included with chickens in 1900.

<sup>4</sup> Not reported in 1900.

It will be seen that in 1910 the West North Central division reported 30 per cent of the total number of fowls in the country. The East North Central division ranked next with 24.3 per cent, and the West South Central next with 10.6 per cent. There has been no marked change in the distribution of fowls since 1900. The distribution of the number of chickens and guinea fowls naturally corresponds more or less closely with that of all fowls, but the distribution of turkeys, ducks, and geese is somewhat different.

The absolute increase in number of chickens between 1900 and 1910 was greatest in the West North Central division, but the percentage of increase was not so high in that division as in the Mountain and Pacific divisions. The two South Central divisions show relatively low percentages of increase in the number of chickens. In nearly every division the number of turkeys, of ducks, and of geese fell off.

Table 35 in the next column shows the average value of fowls on farms. In the case of chickens, turkeys, and ducks the average values in 1910 were lowest in the West South Central division and highest in New England. New England also shows the highest

average for geese, while the lowest is that for the East South Central division. The average value of fowls of all classes combined shows a marked increase from 1900 to 1910 in every division.

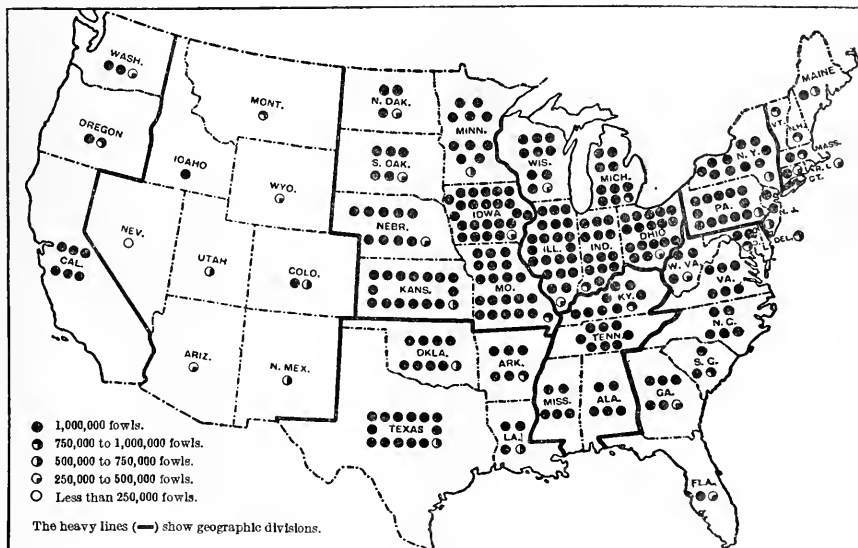
Table 35

DIVISION.	AVERAGE VALUE OF ALL FOWLS.		AVERAGE VALUE: 1910									
	1910	1900	Chickens.	Turkeys.	Ducks.	Geese.	Guinea fowls.	Pigeons.	Peewees.	Ostriches.		
United States.....	\$0.52	\$0.34	\$0.50	\$1.79	\$0.54	\$0.72	\$0.35	\$0.28	\$2.84	\$316.39		
New England.....	0.74	0.55	0.73	3.08	0.98	2.12	0.68	0.56	9.83			
Middle Atlantic.....	0.68	0.45	0.67	2.49	0.89	1.65	0.46	0.41	4.56			
East North Central.....	0.54	0.34	0.53	1.90	0.59	1.63	0.33	0.23	2.34			
West North Central.....	0.50	0.33	0.48	1.88	0.51	0.90	0.34	0.16	2.69			
South Atlantic.....	0.49	0.35	0.46	1.72	0.46	0.59	0.35	0.33	2.30			427.17
East South Central.....	0.41	0.31	0.42	1.64	0.38	0.48	0.36	0.22	2.15			
West South Central.....	0.38	0.25	0.36	1.24	0.37	0.52	0.29	0.16	2.81			393.08
Mountain.....	0.82	0.42	0.55	2.11	0.77	1.69	0.63	0.27	5.35			338.88
Pacific.....	0.62	0.45	0.57	2.24	0.74	1.30	0.72	0.29	4.87			211.96

Table 36 (page 336) shows, for each geographic division and state, the number and value of all fowls on farms at the censuses of 1910 and 1900, together with the number of chickens and guinea fowls combined and the number of turkeys, ducks, and geese combined.

## ALL FOWLS ON FARMS.

NUMBER, BY STATES: APRIL 15, 1910.



## POULTRY AND BEES ON FARMS—NUMBER AND VALUE, BY DIVISIONS AND STATES: 1910 AND 1900.

Table 36 DIVISION OR STATE.	ALL FOWLS. <sup>1</sup>				CHICKENS AND GUINEA FOWLS.		TURKEYS, DUCKS, AND GESE.		COLONIES OF BEES.			
	Number.		Value.		Number.		Number.		Number.		Value.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
United States.....	296,580,190	250,624,039	\$164,643,220	\$85,807,818	282,110,164	233,566,021	11,027,213	17,057,333	3,445,006	4,108,238	\$10,273,815	\$10,178,897
GEORGAPIC DIVISIONS:												
New England.....	7,078,636	6,606,246	5,238,461	3,611,668	6,879,770	6,446,678	103,386	165,568	40,627	50,713	195,959	206,151
Middle Atlantic.....	26,004,625	22,473,907	17,775,385	10,095,094	24,616,229	21,511,436	707,049	962,471	291,699	362,996	1,166,587	1,164,581
East North Central.....	71,941,382	61,548,039	39,070,998	20,819,906	69,703,725	58,104,189	1,885,921	3,453,850	545,938	654,979	1,800,931	1,897,163
West North Central.....	88,684,488	69,298,838	44,226,368	22,596,723	85,416,649	65,364,879	2,604,137	3,933,959	546,693	532,877	1,729,683	1,608,512
South Atlantic.....	27,588,263	24,472,713	13,631,507	8,546,899	26,040,035	22,293,912	1,536,444	2,178,801	678,439	854,909	1,574,577	1,664,636
East South Central.....	26,918,569	25,851,926	11,873,198	8,063,673	24,837,080	22,965,751	1,974,123	2,886,175	506,962	730,234	1,117,145	1,059,832
West South Central.....	31,501,899	30,170,333	11,910,631	7,612,900	29,509,702	27,333,880	1,793,763	2,836,419	379,842	559,150	997,825	1,453,565
Mountain.....	5,708,606	3,265,560	4,686,963	1,362,014	5,475,726	3,116,639	155,891	148,561	172,684	146,482	784,056	492,539
Pacific.....	10,183,722	6,926,384	6,279,709	3,059,851	9,631,248	6,434,657	266,499	491,529	282,192	218,899	1,066,882	631,108
NEW ENGLAND:												
Maine.....	1,735,962	1,585,564	1,131,921	756,153	1,718,240	1,564,853	13,280	20,711	7,592	10,857	40,357	51,459
New Hampshire.....	924,889	877,939	649,121	467,104	907,807	870,461	6,959	7,478	4,644	5,520	23,593	24,665
Vermont.....	938,524	843,163	607,787	421,195	915,526	806,451	18,759	36,712	10,215	12,836	44,349	46,953
Massachusetts.....	1,798,380	1,680,693	1,492,961	1,018,111	1,715,453	1,625,269	38,111	55,424	7,464	8,381	39,683	35,751
Rhode Island.....	415,209	520,614	368,018	305,047	396,981	500,618	8,333	19,896	1,267	1,681	6,138	8,795
Connecticut.....	1,265,702	1,098,373	988,653	644,050	1,225,781	1,073,026	17,924	25,347	9,445	11,438	41,839	40,528
MIDDLE ATLANTIC:												
New York.....	10,678,836	9,352,412	7,879,618	4,310,755	10,265,939	8,964,736	300,755	387,676	156,360	187,208	646,848	593,784
New Jersey.....	2,957,448	2,076,614	2,221,281	1,300,883	2,342,451	1,993,594	59,254	82,920	10,484	14,118	41,560	39,219
Pennsylvania.....	12,728,341	11,044,981	7,674,387	4,483,486	12,007,839	10,553,106	347,040	491,875	124,815	161,670	478,179	531,578
EAST NORTH CENTRAL:												
Ohio.....	17,342,289	15,018,352	9,532,672	5,085,921	16,904,166	14,269,525	382,328	748,827	98,242	151,391	275,726	402,561
Indiana.....	13,789,101	11,949,821	7,762,015	4,222,409	13,273,555	11,103,096	463,364	846,815	80,938	117,148	200,478	278,564
Illinois.....	21,409,835	17,737,262	11,696,650	6,414,033	20,647,947	16,600,728	617,499	1,136,534	155,846	179,953	487,733	486,164
Michigan.....	9,907,039	8,405,060	5,610,968	2,688,829	9,724,713	8,033,531	202,778	371,529	115,274	100,397	446,044	352,469
Wisconsin.....	9,433,110	8,447,544	4,465,703	2,410,714	9,175,314	8,007,399	219,952	350,145	95,938	106,060	360,530	377,105
WEST NORTH CENTRAL:												
Minnesota.....	10,897,075	8,142,693	4,646,960	2,274,649	10,304,776	7,730,940	346,765	411,753	56,677	45,877	221,781	167,280
Iowa.....	23,482,850	16,040,343	12,269,881	6,536,464	22,730,118	18,907,673	564,669	1,135,670	160,025	138,811	517,329	443,923
Missouri.....	20,807,208	16,076,713	11,870,972	5,730,359	19,992,410	14,906,601	832,570	1,173,112	203,569	201,100	564,549	508,217
North Dakota.....	3,268,109	1,459,380	1,455,463	477,368	3,097,692	1,409,285	132,015	80,095	495	279	3,086	1,474
South Dakota.....	5,251,348	3,178,288	2,356,465	856,966	4,936,814	3,028,700	199,827	149,585	6,565	2,063	21,650	10,088
Nebraska.....	9,351,830	7,812,239	4,219,158	2,374,930	9,033,353	7,417,837	214,016	394,402	45,625	52,143	152,676	199,563
Kansas.....	15,736,038	12,556,185	7,377,469	4,356,997	15,321,486	11,966,843	314,575	589,342	73,737	88,594	218,612	277,967
SOUTH ATLANTIC:												
Delaware.....	878,081	665,282	560,146	357,475	798,345	628,866	23,082	36,416	6,410	10,187	13,609	20,244
Maryland.....	2,908,958	2,305,646	1,858,570	1,158,020	2,702,403	2,113,544	134,098	192,101	23,156	28,013	61,013	61,013
District of Columbia.....	8,349	8,292	6,477	3,108	7,433	8,004	196	289	151	59	790	199
Virginia.....	6,099,581	5,041,470	3,395,962	1,886,768	5,738,011	4,590,311	321,930	451,159	104,005	139,064	302,623	308,417
West Virginia.....	3,310,156	3,063,071	1,628,700	963,805	3,121,055	2,759,585	181,300	293,486	110,673	111,417	388,937	375,622
North Carolina.....	5,053,870	4,379,961	2,212,570	1,434,158	4,643,447	3,871,858	384,000	508,103	189,178	244,539	386,683	429,868
South Carolina.....	2,946,414	2,908,319	1,206,615	889,953	2,778,122	2,664,784	139,713	243,535	75,422	93,958	134,622	142,677
Georgia.....	5,328,584	4,926,462	2,088,653	1,458,455	4,991,612	4,549,144	293,480	377,380	130,549	187,919	187,242	242,769
Florida.....	1,326,271	1,184,220	673,814	394,557	1,259,607	1,107,816	58,645	76,404	38,895	39,753	98,468	83,827
EAST SOUTH CENTRAL:												
Kentucky.....	8,764,204	7,855,468	4,461,871	2,723,221	8,047,178	6,849,079	686,930	1,006,389	152,991	203,820	419,379	527,098
Tennessee.....	8,056,146	6,971,737	3,757,337	2,275,864	7,410,314	6,184,210	627,493	787,927	144,451	225,788	340,619	486,536
Alabama.....	5,028,104	5,186,638	1,807,239	1,409,269	4,708,474	4,377,606	286,233	448,930	135,140	205,369	212,921	287,598
Mississippi.....	5,070,116	5,838,186	1,846,751	1,655,319	4,671,114	5,194,856	373,467	643,329	71,350	95,257	144,226	158,603
WEST SOUTH CENTRAL:												
Arkansas.....	5,788,570	6,092,876	2,063,432	1,540,006	5,234,957	5,393,157	537,028	699,719	92,731	111,138	200,049	204,340
Louisiana.....	3,542,447	4,299,479	1,326,614	1,057,889	3,291,128	3,890,563	226,258	408,916	29,591	35,231	58,188	54,516
Oklahoma.....	8,501,237	14,016,696	3,713,943	1,416,127	8,093,918	14,487,858	346,904	1,428,740	19,413	20,137	64,261	45,423
Texas.....	13,669,645	14,861,282	4,806,642	3,598,968	12,889,699	13,562,302	653,573	1,299,044	235,107	392,644	675,327	749,483
MOUNTAIN:												
Montana.....	966,690	556,679	628,436	296,806	923,173	531,774	31,731	24,905	6,313	1,801	32,112	8,139
Idaho.....	1,053,876	540,009	598,190	302,127	1,012,017	516,412	32,016	23,597	21,903	19,240	100,148	64,994
Wyoming.....	341,050	149,564	194,078	60,397	325,365	142,136	11,002	7,428	4,596	1,020	20,498	5,322
Colorado.....	1,721,445	1,017,120	1,012,251	393,219	1,648,246	968,761	43,135	48,359	71,434	59,756	308,608	196,066
New Mexico.....	531,625	163,015	256,466	62,419	511,845	156,523	10,780	6,162	10,052	6,164	46,300	20,802
Arizona.....	268,762	174,972	1,545,966	103,298	253,118	165,290	8,023	9,322	23,770	18,991	104,374	66,603
Utah.....	691,941	546,753	327,908	186,922	673,911	534,842	14,716	21,911	26,155	33,818	122,568	111,452
Nevada.....	133,217	107,538	93,658	55,826	126,667	100,661	4,488	6,877	8,401	5,692	48,453	20,131
PACIFIC:												
Washington.....	2,272,775	1,356,715	1,267,440	614,838	2,205,934	1,196,646	44,096	160,076	33,884	30,870	126,895	106,841
Oregon.....	1,532,680	1,373,203	1,067,743	582,524	1,566,340	1,280,818	51,555	82,385	47,285	55,585	150,164	160,282
California.....	6,047,267	4,196,466	3,844,526	1,902,489	5,606,974	3,947,200	170,858	249,068	120,023	129,444	729,793	363,885

<sup>1</sup> Includes number and value of pigeons, peafowls, and ostriches in 1910, and number and value of ostriches in 1900. Pigeons and peafowls not enumerated prior to 1910.

\* Includes In-lan Territory.

## BEES ON FARMS.

The number of colonies of bees and their value at the censuses of 1910 and 1900 are shown, by divisions and states, in Table 36 (page 336) in connection with the statistics for poultry. In the United States as a whole there were reported 3,445,000 colonies of bees on farms in 1910, as compared with 4,108,000 in 1900, a decrease of 663,000 colonies, or 16.1 per cent. There was, however, a slight increase in the total value. The average value per colony increased from \$2.48 to \$3.01. The number of farms reporting bees also decreased materially, being 586,000 in 1910 as against 707,000 in 1900. Such farms represented 9.2 per cent of the total number of farms in 1910, as compared with 12.3 per cent in 1900. The average number of colonies per farm reporting was 5.9 in 1910, or practically the same as in 1900.

Table 37 shows the percentage of the total number of colonies of bees in each geographic division and the average value per colony.

The South Atlantic division reported in 1910 almost one-fifth of the entire number of colonies of bees in the United States, a larger proportion than any other geographic division. The other divisions which

rank relatively high in bee culture are the West North Central, East North Central, East South Central, and West South Central, in the order named. The Mountain and Pacific divisions, however, reported a decidedly larger proportion of the total number of colonies in 1910 than in 1900. The average value per colony in 1910 ranged from \$4.82 in the New England division and \$4.54 in the Mountain division to \$2.20 in the East South Central division; in every division it was higher in 1910 than in 1900, the change being most marked in the Mountain and Middle Atlantic divisions.

Table 37

DIVISION.	PER CENT OF TOTAL COLONIES.		AVERAGE VALUE PER COLONY.	
	1910	1900	1910	1900
United States.....	100 0	100 0	\$3.01	\$2.48
New England.....	1.2	1.2	4.82	4.07
Middle Atlantic.....	8.5	8.8	4.00	3.21
East North Central.....	15.8	15.9	3.30	2.90
West North Central.....	15.9	13.0	3.16	3.02
South Atlantic.....	19.7	20.8	2.32	1.95
East South Central.....	14.7	17.8	2.20	2.00
West South Central.....	11.0	13.6	2.63	1.88
Mountain.....	5.0	3.6	4.54	3.36
Pacific.....	8.2	5.3	3.57	2.92

## DOMESTIC ANIMALS NOT ON FARMS.

In compliance with the requirements of the Thirteenth Census act the Census Bureau collects statistics of domestic animals, not only on farms, but also in barns and inclosures not on farms—in cities and villages and elsewhere. Animals not on farms consist mainly of those kept more or less permanently, such as draft animals and dairy cows, but they also include considerable numbers of cattle, sheep, and swine which are temporarily held in cities and villages pending slaughter or sale. The statistics for the several classes are not subdivided according to age groups in this bulletin. It may be stated, however, that a relatively larger proportion of the animals not on farms are of adult age than in the case of those on farms, and for this reason comparison between the censuses of 1900 and 1910, with reference to the total number of animals of each kind, is less seriously affected by the change in the date of enumeration than in the case of animals on farms.

Table 38 (pages 338 and 339) shows, by geographic divisions and states, the number of domestic animals not on farms at the censuses of 1910 and 1900 and their value at the census of 1910 only, statistics of value for such animals not having been collected in 1900.

As might be expected, draft animals are relatively much more important in cities and villages than other domestic animals. Of the total value of domestic animals not on farms in 1910, \$463,280,000, or nearly

seven-eighths, represents the value of horses, mules, and asses and burros. All cattle, with a value of \$60,816,000, made up the larger part of the remainder.

It is noteworthy that in each of the four geographic divisions constituting the North there was a decline between 1900 and 1910 in the number of cattle not on farms, while in each of the five geographic divisions constituting the South and West there was an increase. The same statement holds true with regard to horses, except that a slight increase took place in the number of horses in the Middle Atlantic division.

Differences in the ratio which urban population bears to rural population and differences in the rate of growth in urban population among the different divisions of the country doubtless have something to do with the differences among them in the rate of increase of cattle and of horses not on farms. In the country as a whole urban population (that is, that in cities and villages of 2,500 or more inhabitants) increased more than three times as fast as rural population between 1900 and 1910. It should be noted, however, that in many of the larger cities increasing stringency of sanitary regulations has tended to reduce the number of cattle kept for dairy purposes, and also that in the larger cities the increased use of automobiles has tended to reduce the number of horses and other draft animals.

## DOMESTIC ANIMALS NOT ON FARMS—VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY

[See text with reference to date of enumeration.]

Table 38	DIVISION OR STATE.	VALUE OF ALL DOMESTIC ANIMALS: 1910	CATTLE.			HORSES.			MULES.		
			Number.		Value.	Number.		Value.	Number.		Value.
			1910	1900	1910	1910	1900	1910	1910	1900	1910
			1910	1900	1910	1910	1900	1910	1910	1900	1910
1	<b>United States.....</b>	<b>\$538,361,526</b>	<b>1,878,782</b>	<b>1,816,422</b>	<b>\$80,816,261</b>	<b>3,182,789</b>	<b>2,836,881</b>	<b>\$422,204,383</b>	<b>270,371</b>	<b>173,908</b>	<b>\$39,374,534</b>
2	<b>GEOGRAPHIC DIVISIONS:</b>										
3	New England.....	40,439,958	50,405	57,171	2,050,638	233,037	271,001	37,866,415	834	657	140,493
4	Middle Atlantic.....	121,903,902	153,719	173,306	5,919,042	626,990	669,383	110,424,383	23,127	25,199	3,910,140
5	East North Central.....	105,497,651	283,200	325,728	10,710,926	732,992	749,389	98,083,221	24,933	16,500	3,309,826
6	West North Central.....	84,646,348	317,753	342,153	11,120,590	571,221	572,584	65,775,491	31,054	26,376	4,467,994
7	South Atlantic.....	45,348,963	233,996	148,418	6,520,006	203,928	158,550	28,690,522	55,285	26,259	8,425,466
8	East South Central.....	33,706,963	258,464	174,616	7,475,455	133,383	110,172	18,400,120	45,229	29,660	6,617,499
9	West South Central.....	51,212,264	399,336	269,383	10,609,804	297,680	212,109	29,974,135	64,625	38,792	8,755,252
10	Mountain.....	22,162,408	96,917	56,637	3,396,552	261,261	108,036	16,372,221	9,491	5,969	1,285,061
11	Pacific.....	31,353,069	84,912	69,011	3,013,248	207,341	136,667	25,617,885	13,793	4,396	2,159,803
12	<b>NEW ENGLAND:</b>										
13	Maine.....	4,796,026	9,700	16,623	362,654	29,622	34,011	4,341,987	67	50	15,106
14	New Hampshire.....	2,554,475	4,473	5,079	166,658	18,101	22,367	2,363,802	45	30	5,500
15	Vermont.....	2,581,230	5,876	8,401	207,608	18,805	20,365	2,305,409	192	31	28,458
16	Massachusetts.....	20,452,394	19,896	18,451	875,189	115,156	133,619	19,930,632	271	490	44,778
17	Rhode Island.....	3,372,254	2,654	1,643	117,436	17,802	19,990	3,206,056	76	9	13,785
18	Connecticut.....	6,623,679	7,896	7,974	321,093	38,520	40,659	6,225,519	183	47	32,856
19	<b>MIDDLE ATLANTIC:</b>										
20	New York.....	63,722,021	47,508	55,555	2,017,616	303,256	305,937	60,371,030	3,490	1,866	726,716
21	New Jersey.....	17,623,864	14,512	17,405	680,897	96,384	83,191	16,476,691	1,519	1,123	259,491
22	Pennsylvania.....	40,658,017	91,899	100,345	3,220,529	227,350	220,255	33,576,752	20,118	22,210	2,923,933
23	<b>EAST NORTH CENTRAL:</b>										
24	Ohio.....	25,221,650	62,388	64,612	2,240,857	188,041	189,965	21,669,209	6,840	4,772	843,667
25	Indiana.....	16,697,433	54,157	52,619	2,144,226	120,632	128,229	13,445,162	5,710	4,423	709,362
26	Illinois.....	34,791,056	77,255	115,034	3,223,121	234,629	242,919	28,833,742	10,838	6,465	1,523,689
27	Michigan.....	15,700,343	47,355	40,292	1,745,203	100,235	102,539	13,660,280	700	380	105,514
28	Wisconsin.....	13,087,159	42,016	44,171	1,357,519	89,452	85,737	11,474,828	845	457	127,594
29	<b>WEST NORTH CENTRAL:</b>										
30	Minnesota.....	12,862,351	53,946	47,412	1,721,245	83,654	85,660	10,809,499	1,017	827	172,832
31	Iowa.....	17,929,607	61,705	79,880	2,229,183	123,370	154,775	14,628,589	3,477	5,238	472,190
32	Missouri.....	20,814,834	75,941	84,270	2,720,956	132,065	129,513	14,919,261	15,245	12,742	2,184,510
33	North Dakota.....	3,415,679	12,429	9,653	401,580	22,214	16,114	2,854,134	716	235	117,747
34	South Dakota.....	4,942,544	17,033	15,375	534,208	34,622	24,945	4,157,070	794	509	127,465
35	Nebraska.....	10,361,943	40,458	43,999	1,469,682	69,622	68,621	7,758,501	2,859	2,800	399,200
36	Kansas.....	14,319,990	56,211	61,564	2,043,766	105,531	92,956	10,648,437	6,940	4,025	994,069
37	<b>SOUTH ATLANTIC:</b>										
38	Delaware.....	1,213,301	1,172	1,240	43,647	7,219	6,702	1,092,074	353	297	51,180
39	Maryland.....	7,195,972	14,710	14,064	484,112	40,121	39,734	5,862,420	3,569	2,223	566,967
40	District of Columbia.....	1,765,985	629	616	27,532	10,104	11,599	1,589,340	1,154	276	167,553
41	Virginia.....	6,835,554	36,651	28,391	1,078,182	35,908	28,094	4,549,316	6,629	3,102	948,953
42	West Virginia.....	4,941,574	31,524	15,762	1,053,931	22,256	18,067	2,012,306	6,508	3,495	781,927
43	North Carolina.....	6,203,163	36,528	20,899	996,410	26,702	15,780	3,700,148	8,436	3,176	1,302,476
44	South Carolina.....	3,790,112	22,398	15,259	657,496	14,517	9,855	2,157,501	5,474	2,832	889,082
45	Georgia.....	9,162,242	63,172	37,886	1,530,992	31,528	21,104	4,701,251	15,856	7,600	2,653,081
46	Florida.....	4,130,160	27,204	14,302	648,004	14,073	7,585	2,036,166	7,606	3,258	1,364,227
47	<b>EAST SOUTH CENTRAL:</b>										
48	Kentucky.....	10,330,988	55,719	36,491	2,398,411	49,482	45,458	6,156,048	11,061	7,445	1,431,117
49	Tennessee.....	10,307,140	55,292	50,370	1,606,067	43,753	39,216	6,079,213	14,302	10,591	2,167,065
50	Alabama.....	7,453,063	75,297	49,736	1,730,548	20,965	18,675	3,454,633	12,907	7,362	2,028,359
51	Mississippi.....	5,675,772	72,166	38,019	1,740,429	23,203	15,733	2,710,226	6,959	4,362	990,418
52	<b>WEST SOUTH CENTRAL:</b>										
53	Arkansas.....	6,631,812	63,632	45,740	1,374,753	33,040	25,510	3,965,799	9,728	7,383	1,358,306
54	Louisiana.....	6,625,811	57,900	29,336	1,292,087	33,281	26,345	3,177,907	12,226	7,012	1,967,804
55	Oklahoma.....	11,685,338	72,980	26,892	1,971,439	77,852	135,823	7,091,073	11,696	5,027	1,511,603
56	Texas.....	26,269,303	204,814	167,415	5,971,625	153,613	124,431	15,509,356	30,975	19,370	3,920,539
57	<b>MOUNTAIN:</b>										
58	Montana.....	3,474,331	11,200	6,458	400,723	24,366	17,275	2,833,966	491	361	72,560
59	Idaho.....	3,038,357	10,040	5,683	357,699	20,620	12,208	2,512,517	679	507	110,680
60	Wyoming.....	1,488,099	4,536	2,680	160,415	10,481	9,371	1,145,358	728	820	114,059
61	Colorado.....	7,255,060	30,498	20,653	1,392,350	48,129	36,763	5,157,786	3,324	2,412	501,886
62	New Mexico.....	1,773,512	13,649	4,931	343,242	17,350	9,725	1,083,447	1,529	637	176,470
63	Arizona.....	1,562,564	8,529	2,238	203,017	15,031	6,390	1,121,618	1,321	731	162,976
64	Utah.....	2,667,162	16,459	12,931	481,140	18,287	13,002	1,805,027	488	161	59,901
65	Nevada.....	883,013	2,006	1,057	67,966	6,944	3,302	652,502	931	340	86,529
66	<b>PACIFIC:</b>										
67	Washington.....	7,558,077	21,730	19,121	820,526	44,617	22,459	6,350,366	1,864	407	289,192
68	Oregon.....	4,997,977	17,006	18,296	558,005	30,203	20,027	4,124,678	1,377	510	232,230
69	California.....	18,707,015	46,176	34,594	1,604,717	132,521	94,171	15,142,841	10,612	3,479	1,638,381

1 Includes Indian Territory.

## LIVE STOCK ON FARMS AND ELSEWHERE.

339

CLASSES, IN 1910, WITH NUMBER OF EACH CLASS, IN 1910 AND 1900, BY DIVISIONS AND STATES.

[See text with reference to date of enumeration.]

Table 38—Continued.			ASSES AND BURROS.		SHEEP.			GOATS.			SWINE.				
DIVISION OR STATE.			Number.		Value.	Number.		Value.	Number.		Value.	Number.		Value.	
	1910	1900	1910			1910	1900	1910		1910	1900	1910	1900	1910	
1	United States.....			18,502	15,847	\$1,701,388	390,887	231,301	\$1,822,943	114,870	78,353	\$365,749	1,287,960	1,818,114	\$10,078,280
2	GEOGRAPHIC DIVISIONS:														
3	New England.....		96	108	5,687	7,495	11,113	32,394	1,399	935	10,519	32,063	44,193	333,812	
4	Middle Atlantic.....		387	1,100	30,137	28,382	38,416	186,390	8,932	11,344	62,820	142,821	235,476	1,370,990	
5	East North Central.....		934	1,057	172,035	55,472	79,862	303,820	6,747	7,065	29,679	179,397	391,936	1,888,144	
6	West North Central.....		2,198	2,198	602,617	53,650	24,617	322,838	3,115	3,190	15,484	223,522	434,074	2,341,334	
7	South Atlantic.....		524	676	75,578	10,195	15,829	28,434	9,663	7,391	27,827	230,418	229,204	1,281,130	
8	East South Central.....		974	1,366	189,156	12,360	16,278	38,763	9,661	8,750	21,340	192,852	211,508	1,063,630	
9	West South Central.....		3,750	3,275	435,583	8,058	14,639	23,399	22,245	17,770	46,703	238,836	220,725	1,364,388	
10	Mountain.....		6,395	5,440	106,558	145,922	8,725	631,322	43,322	17,846	111,020	28,549	16,265	259,671	
11	Pacific.....		1,241	628	93,035	69,343	21,822	255,583	9,586	4,072	40,357	19,602	34,733	173,158	
12	NEW ENGLAND:														
13	Maine.....		19	18	1,460	2,023	7,093	7,331	39	36	227	5,668	9,545	67,261	
14	New Hampshire.....		5	11	170	345	589	1,756	59	45	389	4,012	5,759	40,200	
15	Vermont.....		2	5	160	201	945	1,269	20	49	133	3,522	5,420	38,253	
16	Massachusetts.....		36	55	1,587	4,329	2,259	18,792	643	493	4,829	12,010	17,219	113,577	
17	Rhode Island.....		8	1	380	108	78	558	243	75	1,908	2,969	1,360	32,061	
18	Connecticut.....		26	18	1,990	489	149	2,688	395	237	2,973	3,882	4,890	36,460	
19	MIDDLE ATLANTIC:														
20	New York.....		144	421	15,427	23,608	18,048	156,874	2,523	3,046	20,861	32,316	52,176	413,497	
21	New Jersey.....		55	78	2,898	207	10,301	3,049	2,111	1,750	16,503	9,264	25,954	84,425	
22	Pennsylvania.....		188	601	11,812	4,577	10,067	26,467	4,298	6,548	25,456	101,241	157,346	873,068	
23	EAST NORTH CENTRAL:														
24	Ohio.....		139	212	14,294	8,868	9,393	38,505	1,134	1,149	6,852	47,125	97,226	408,266	
25	Indiana.....		243	226	53,486	5,633	6,309	25,647	922	797	3,434	36,549	77,395	316,136	
26	Illinois.....		412	429	94,203	31,069	54,891	101,308	1,900	2,984	10,253	70,973	166,944	914,690	
27	Michigan.....		74	89	6,001	6,453	5,474	32,231	2,116	603	6,128	13,894	22,908	144,986	
28	Wisconsin.....		66	101	4,011	3,449	3,795	16,129	675	1,522	3,012	10,856	27,463	104,066	
29	WEST NORTH CENTRAL:														
30	Minnesota.....		100	55	20,608	2,162	4,128	10,497	373	288	2,076	10,365	17,845	125,603	
31	Iowa.....		199	503	52,227	1,206	2,857	7,154	417	807	1,857	45,427	128,138	538,407	
32	Missouri.....		710	658	191,447	17,850	8,707	106,515	1,422	988	5,191	78,557	109,678	686,954	
33	North Dakota.....		23	18	7,655	1,188	439	5,156	133	58	1,073	2,461	3,016	28,334	
34	South Dakota.....		65	43	18,563	884	428	5,023	105	54	563	7,426	9,133	99,652	
35	Nebraska.....		326	308	96,604	20,029	6,026	140,495	304	384	1,719	42,379	93,094	496,762	
36	Kansas.....		775	613	215,513	10,331	2,032	47,998	361	611	3,005	36,907	73,170	366,622	
37	SOUTH ATLANTIC:														
38	Delaware.....		4	4	795	15	11	75	39	62	165	3,729	4,130	25,365	
39	Maryland.....		55	72	10,525	671	2,975	3,242	384	384	2,331	24,424	41,910	176,355	
40	District of Columbia.....		6	1	455	1	30	3	78	64	587	170	332	1,485	
41	Virginia.....		71	209	10,480	2,882	2,685	9,522	513	1,010	2,253	38,771	52,829	236,748	
42	West Virginia.....		56	58	8,720	1,358	1,836	5,133	255	672	1,542	25,406	22,185	178,015	
43	North Carolina.....		74	92	9,205	1,579	1,122	3,115	1,744	1,124	6,222	50,241	60,009	275,587	
44	South Carolina.....		54	54	5,836	369	522	1,100	1,044	681	3,144	13,017	12,030	75,953	
45	Georgia.....		162	126	25,380	2,914	5,762	5,409	3,257	2,046	7,375	52,562	40,157	239,054	
46	Florida.....		42	59	4,152	406	886	835	2,349	1,348	4,208	22,098	15,622	72,568	
47	EAST SOUTH CENTRAL:														
48	Kentucky.....		245	379	47,585	1,954	3,489	8,626	907	636	3,651	40,117	54,452	285,550	
49	Tennessee.....		453	543	85,914	3,487	3,266	12,525	2,066	1,457	6,367	55,729	82,912	349,449	
50	Alabama.....		141	200	16,387	1,783	6,404	4,241	4,918	4,762	8,200	53,283	51,018	240,685	
51	Mississippi.....		135	244	30,270	5,136	3,119	13,371	1,770	1,895	3,122	43,723	23,126	187,936	
52	WEST SOUTH CENTRAL:														
53	Arkansas.....		269	254	51,505	1,187	2,066	2,945	2,084	1,777	4,453	56,173	53,010	244,051	
54	Louisiana.....		112	270	8,974	2,602	2,009	6,003	3,775	2,091	8,824	40,564	24,392	164,212	
55	Oklahoma.....		671	1,305	172,460	261	1,378	798	1,485	1,525	5,254	48,404	130,056	332,713	
56	Texas.....		2,698	2,446	202,644	4,008	9,496	13,655	14,901	13,377	28,172	93,685	113,267	623,412	
57	MOUNTAIN:														
58	Montana.....		22	17	8,155	33,579	97	128,146	60	10	402	2,538	933	30,379	
59	Idaho.....		41	229	8,234	7,874	1,044	42,047	94	19	820	2,851	3,467	26,360	
60	Wyoming.....		28	52	425	11,080	152	58,082	541	3	2,755	743	139	7,275	
61	Colorado.....		1,362	2,029	29,265	8,473	763	36,694	4,008	3,946	11,552	13,957	3,047	125,227	
62	New Mexico.....		1,662	1,567	18,454	23,938	3,060	74,487	24,410	12,216	61,626	2,312	1,440	15,786	
63	Arizona.....		2,875	1,466	27,270	1,131	123	2,817	12,779	1,591	29,783	1,304	712	15,083	
64	Utah.....		53	39	6,810	39,789	3,415	216,443	1,968	42	3,490	4,252	6,036	34,351	
65	Nevada.....		349	41	7,945	20,058	71	72,606	62	19	252	592	491	5,213	
66	PACIFIC:														
67	Washington.....		114	23	32,105	2,957	1,115	17,431	789	132	3,694	4,274	5,569	44,763	
68	Oregon.....		73	45	15,816	1,755	2,476	5,580	1,684	334	4,034	3,060	5,135	27,634	
69	California.....		1,057	560	45,114	64,631	18,231	232,572	7,113	3,006	32,629	12,168	24,029	100,761	

1 Includes Indian Territory.

## DOMESTIC ANIMALS ON FARMS AND NOT ON FARMS—VALUE OF DOMESTIC ANIMALS ON AND NOT ON

[See text with reference to table of enumeration.]

Table 39	DIVISION OR STATE.	VALUE OF ALL DOMESTIC ANIMALS: 1910	CATTLE.			HORSES.			MULES.		
			Number.		Value.	Number.		Value.	Number.		Value.
			1910	1900	1910	1910	1900	1910	1910	1900	1910
1	<b>United States.....</b>	<b>\$5,298,421,819</b>	<b>63,682,648</b>	<b>69,336,832</b>	<b>\$1,580,339,866</b>	<b>23,015,902</b>	<b>21,203,901</b>	<b>\$2,505,792,538</b>	<b>4,480,440</b>	<b>3,438,523</b>	<b>\$564,766,397</b>
<b>GEOGRAPHIC DIVISIONS:</b>											
2	New England.....	132,902,281	1,387,045	1,663,786	44,291,487	592,792	656,697	81,924,491	2,563	2,052	423,421
3	Middle Atlantic.....	452,117,315	4,386,240	4,906,525	144,604,295	1,856,676	1,922,826	270,535,686	77,543	71,439	11,606,450
4	East North Central.....	1,040,933,904	10,102,297	10,836,042	282,655,046	5,134,434	4,871,843	578,373,706	284,356	232,038	34,713,897
5	West North Central.....	1,360,364,249	17,965,467	20,431,292	460,774,897	7,365,413	6,244,392	819,287,782	746,986	561,433	95,012,349
6	South Atlantic.....	396,677,021	5,073,317	4,580,168	96,059,538	1,315,115	1,229,620	150,049,647	804,542	581,388	116,524,796
7	East South Central.....	389,840,927	4,200,990	3,843,137	82,876,734	1,287,982	1,305,211	136,471,419	1,049,033	880,411	131,726,075
8	West South Central.....	628,138,956	11,120,338	14,471,525	213,849,304	2,646,715	2,450,833	212,592,335	1,351,003	977,579	154,108,610
9	Mountain.....	405,434,549	6,157,642	5,972,536	149,666,101	1,588,268	1,432,612	128,978,449	58,448	32,798	6,512,505
10	Pacific.....	259,992,417	3,289,312	2,608,861	85,562,466	1,228,507	1,089,867	127,579,073	105,666	99,305	14,138,332
<b>NEW ENGLAND:</b>											
11	Maine.....	28,785,587	266,233	354,470	8,147,038	137,196	140,310	18,706,743	425	493	87,552
12	New Hampshire.....	13,822,239	172,304	231,571	5,466,780	64,330	77,233	7,630,191	249	127	35,181
13	Vermont.....	24,571,860	436,190	510,341	12,036,500	99,587	105,896	10,896,766	621	362	81,998
14	Massachusetts.....	39,691,106	272,312	304,395	10,223,265	179,469	208,653	28,095,639	539	788	88,163
15	Rhode Island.....	6,274,570	36,802	37,677	1,426,534	27,349	31,370	4,630,233	139	47	24,900
16	Connecticut.....	19,756,919	203,214	225,032	7,051,380	84,861	93,235	11,964,919	599	325	105,577
<b>MIDDLE ATLANTIC:</b>											
17	New York.....	238,282,679	2,470,511	2,651,944	85,079,858	894,264	934,375	140,414,332	7,542	5,179	1,377,213
18	New Jersey.....	39,849,333	237,511	257,389	9,074,014	185,306	177,215	28,499,113	5,569	6,011	881,265
19	Pennsylvania.....	172,955,303	1,678,218	1,997,192	50,450,423	777,106	811,236	101,632,241	64,441	60,269	9,347,972
<b>EAST NORTH CENTRAL:</b>											
20	Ohio.....	122,744,974	1,899,995	2,117,925	53,644,198	1,098,265	1,068,170	120,579,847	29,690	21,543	3,619,498
21	Indiana.....	212,564,611	1,417,173	1,737,097	41,254,718	934,276	879,944	100,563,630	87,878	71,140	10,387,376
22	Illinois.....	331,410,219	2,517,832	3,219,044	76,677,866	1,687,516	1,593,138	192,197,142	158,671	131,112	19,664,024
23	Michigan.....	147,446,091	1,545,208	1,425,700	42,245,521	710,271	639,098	84,973,754	4,400	3,296	599,330
24	Wisconsin.....	166,787,409	2,722,989	2,358,276	68,832,743	704,106	641,493	80,090,333	3,717	4,947	443,660
<b>WEST NORTH CENTRAL:</b>											
25	Minnesota.....	169,631,206	2,401,381	1,918,737	52,027,617	836,838	782,129	99,878,371	6,792	9,166	905,546
26	Iowa.....	398,131,193	4,509,711	5,447,510	121,033,322	1,615,596	1,547,348	192,627,713	59,001	60,983	8,024,008
27	Missouri.....	294,181,496	2,637,423	3,062,859	75,664,620	1,205,455	1,096,550	128,895,824	357,945	296,261	45,623,212
28	North Dakota.....	110,176,996	756,191	667,087	18,112,978	672,813	376,062	86,315,873	8,411	7,115	1,266,748
29	South Dakota.....	129,738,554	1,552,369	1,562,175	36,791,442	703,984	505,713	77,600,618	13,218	7,313	1,796,082
30	Nebraska.....	228,210,993	2,972,838	3,220,242	74,543,719	1,078,140	863,939	110,563,408	86,264	57,924	10,773,276
31	Kansas.....	260,245,811	3,135,614	4,552,462	82,601,199	1,252,587	1,072,651	123,405,545	215,355	122,729	26,623,477
<b>SOUTH ATLANTIC:</b>											
32	Delaware.....	7,456,669	56,158	55,420	1,691,980	40,284	36,424	4,543,865	6,288	5,042	815,313
33	Maryland.....	37,545,933	302,461	306,716	8,353,638	195,559	188,728	22,739,887	26,236	19,734	3,610,568
34	District of Columbia.....	1,932,558	1,611	2,077	102,837	12,168	12,453	1,644,366	1,207	337	173,413
35	Virginia.....	78,028,297	895,728	853,903	22,202,283	366,332	326,616	39,406,926	66,651	50,576	8,544,469
36	West Virginia.....	46,290,010	651,812	655,544	16,914,695	202,247	203,285	21,405,687	18,225	14,849	2,121,057
37	North Carolina.....	66,343,894	737,389	645,417	13,546,464	192,553	174,933	22,128,282	183,147	138,786	25,002,163
38	South Carolina.....	47,280,255	412,278	358,157	7,745,755	94,364	88,274	12,304,679	160,945	120,201	24,719,443
39	Georgia.....	87,590,340	1,143,488	937,377	15,591,650	151,595	148,511	18,895,000	130,904	214,921	46,627,692
40	Florida.....	23,949,065	872,392	765,563	9,910,266	59,713	50,396	6,890,865	30,939	16,922	4,910,048
<b>EAST SOUTH CENTRAL:</b>											
41	Kentucky.....	122,956,400	1,056,656	1,119,739	28,369,982	492,496	497,245	50,952,168	236,104	198,110	27,833,207
42	Tennessee.....	116,915,262	1,051,821	962,553	22,296,785	393,462	391,604	45,399,257	200,157	264,248	37,268,415
43	Alabama.....	71,057,737	1,007,725	849,470	15,200,174	162,601	171,318	17,105,917	260,053	199,432	33,005,576
44	Mississippi.....	78,931,528	1,084,788	911,375	17,069,793	239,428	245,044	23,014,077	262,719	218,621	33,018,839
<b>WEST SOUTH CENTRAL:</b>											
45	Arkansas.....	78,426,298	1,091,703	940,275	16,835,419	287,756	279,100	26,748,008	231,928	182,384	28,486,333
46	Louisiana.....	49,940,494	862,695	699,631	12,897,441	214,567	220,717	14,967,602	143,750	150,982	17,592,766
47	Oklahoma.....	160,338,321	2,026,540	3,236,008	45,159,040	820,811	657,153	71,342,734	268,762	117,562	30,129,827
48	Texas.....	339,433,843	7,139,400	9,595,611	138,957,404	1,323,581	1,393,863	99,533,991	706,533	526,651	77,899,684
<b>MOUNTAIN:</b>											
49	Montana.....	88,473,990	954,347	974,845	27,874,845	340,322	347,247	29,919,790	4,665	3,090	517,838
50	Idaho.....	52,135,328	683,847	699,217	11,688,338	218,327	182,328	22,344,940	4,715	2,300	591,981
51	Wyoming.....	66,872,968	771,963	689,970	22,857,802	166,546	144,914	13,572,192	2,773	2,047	362,631
52	Colorado.....	76,005,545	1,158,235	1,453,971	32,409,653	342,164	273,309	32,540,712	18,063	9,196	2,300,421
53	New Mexico.....	14,965,425	1,006,312	966,790	20,753,207	196,875	140,878	8,851,761	16,466	5,948	1,639,482
54	Arizona.....	25,939,094	833,458	744,873	14,827,725	114,609	131,453	5,331,344	5,284	4,808	562,425
55	Utah.....	30,297,377	428,793	356,621	9,429,812	133,963	128,886	11,864,962	2,765	2,277	217,398
56	Nevada.....	19,964,822	451,687	386,249	9,824,689	75,397	83,597	4,422,904	3,717	3,132	320,329
<b>PACIFIC:</b>											
57	Washington.....	54,928,852	423,850	414,044	13,013,991	325,189	266,444	36,031,215	13,989	3,097	2,063,489
58	Oregon.....	63,241,898	742,261	115,599	18,158,690	301,911	307,959	29,305,821	11,304	7,956	1,418,018
59	California.....	141,821,667	2,123,201	1,479,218	54,389,785	601,407	515,464	62,242,077	80,373	88,252	10,654,825

† Includes Indian Territory.



FARMS, BY CLASSES, IN 1910, WITH NUMBER OF EACH CLASS, IN 1910 AND 1900, BY DIVISIONS AND STATES.

[See text with reference to date of enumeration.]

Table 29—Continued.	ASSES AND BURROS.			SHEEP.			GOATS.			SWINE.		
	Number.		Value.	Number.		Value.	Number.		Value.	Number.		Value.
	1910	1900	1910	1910	1900	1910	1910	1900	1910	1910	1900	1910
1 United States.....	122,200	110,012	\$14,901,498	52,838,748	61,735,014	\$234,664,528	3,029,795	1,948,952	\$6,542,172	59,473,636	64,686,155	\$409,414,568
2 GEOGRAPHIC DIVISIONS:												
3 New England.....	243	288	18,510	438,167	933,671	1,879,191	4,594	3,114	28,945	428,705	406,392	4,336,236
4 Middle Atlantic.....	1,072	2,067	117,111	1,872,449	3,362,958	9,121,323	16,520	15,556	104,654	1,933,642	2,193,483	16,027,796
5 East North Central.....	6,360	5,367	1,130,733	9,597,706	11,296,135	39,313,650	41,806	32,591	140,450	14,640,456	16,439,187	104,626,422
6 West North Central.....	24,452	17,778	5,510,772	5,118,659	4,988,900	23,810,630	116,330	97,690	304,168	21,505,031	24,861,112	183,797,621
7 South Atlantic.....	3,897	2,976	549,786	2,523,748	2,714,744	9,114,181	220,764	212,680	263,585	6,194,338	5,791,966	24,115,488
8 East South Central.....	16,705	19,069	2,527,610	2,508,581	2,439,317	9,338,592	208,308	219,402	285,905	5,031,458	6,856,856	26,614,630
9 West South Central.....	33,510	25,629	3,576,926	2,201,715	2,469,073	7,249,657	1,298,476	749,551	2,765,759	7,267,781	6,623,204	33,996,365
10 Mountain.....	31,404	33,528	766,518	22,916,213	26,974,877	112,287,612	780,966	392,738	1,849,191	609,460	415,945	5,374,173
11 Pacific.....	4,557	3,320	673,532	5,661,510	6,555,339	22,749,692	342,031	225,630	763,483	1,209,765	1,096,010	8,525,837
12 NEW ENGLAND:												
13 Maine.....	41	66	5,188	298,457	127,209	\$21,307	621	315	2,404	92,824	88,563	1,015,355
14 New Hampshire.....	35	38	1,763	44,111	105,702	194,102	554	253	3,848	49,249	56,970	550,374
15 Vermont.....	24	30	2,138	118,752	297,521	540,260	281	151	1,106	98,347	100,510	1,013,002
16 Massachusetts.....	57	106	3,364	37,037	54,818	175,390	1,894	1,747	12,819	115,028	96,144	1,092,566
17 Rhode Island.....	19	6	1,010	6,897	11,285	33,195	349	98	2,950	17,067	12,868	155,708
18 Connecticut.....	67	42	5,047	22,907	37,136	115,037	805	550	5,738	56,254	51,337	509,201
19 MIDDLE ATLANTIC:												
20 New York.....	428	759	53,689	953,908	1,763,794	4,996,525	5,998	4,362	42,293	698,495	728,815	6,318,769
21 New Jersey.....	108	121	8,172	30,890	58,031	164,187	2,685	2,449	21,117	156,269	201,341	1,211,465
22 Pennsylvania.....	536	1,177	55,250	887,651	1,541,133	3,960,611	7,837	8,745	41,244	1,078,878	1,263,327	8,497,562
23 EAST NORTH CENTRAL:												
24 Ohio.....	627	462	75,854	3,918,030	4,030,021	14,979,886	6,513	6,581	24,695	3,152,752	3,283,789	19,820,396
25 Indiana.....	1,889	1,234	344,683	1,342,600	1,748,311	5,934,143	8,212	5,281	24,339	3,650,453	3,840,784	24,055,722
26 Illinois.....	3,275	2,958	662,457	1,090,915	1,085,472	5,035,044	14,335	11,881	48,817	4,757,335	6,082,412	37,124,890
27 Michigan.....	307	184	29,933	2,312,929	2,733,083	9,678,796	7,196	3,464	20,320	2,259,727	1,188,108	9,900,628
28 Wisconsin.....	262	529	17,806	933,232	1,679,248	3,685,781	5,550	5,404	22,279	1,820,187	2,042,094	13,724,807
29 WEST NORTH CENTRAL:												
30 Minnesota.....	319	216	43,465	639,744	594,006	2,703,921	4,961	4,109	20,596	1,530,622	1,458,651	14,054,750
31 Iowa.....	1,813	2,335	332,439	1,146,755	1,059,575	5,755,990	21,081	42,275	66,556	7,591,280	9,851,929	70,231,625
32 Missouri.....	13,587	9,435	3,245,320	1,829,118	1,095,920	7,965,393	73,837	25,475	192,600	4,516,751	4,631,342	32,624,527
33 North Dakota.....	156	114	30,570	294,529	682,391	1,262,893	1,207	1,180	6,691	334,064	194,814	3,181,243
34 South Dakota.....	398	238	90,191	612,148	775,664	3,007,061	2,442	2,969	11,985	1,017,147	832,253	10,486,745
35 Nebraska.....	2,444	1,040	544,239	313,529	517,299	1,627,443	3,594	2,783	13,664	3,478,103	4,221,094	30,145,244
36 Kansas.....	5,735	4,400	1,254,548	282,806	264,045	1,257,929	9,208	18,899	28,675	3,067,064	3,668,029	25,073,507
37 SOUTH ATLANTIC:												
38 Delaware.....	22	19	4,770	7,821	11,776	36,973	127	205	455	52,989	50,862	367,375
39 Maryland.....	156	141	45,975	237,508	194,076	1,146,207	1,566	1,563	7,446	326,067	359,812	1,942,212
40 District of Columbia.....	6	1	485	1	30	3	78	73	387	835	1,134	10,867
41 Virginia.....	854	621	132,134	807,755	695,614	3,309,548	7,840	6,315	30,759	836,406	999,272	4,402,428
42 West Virginia.....	216	174	34,276	911,718	970,679	3,406,034	6,003	1,519	22,224	353,594	465,029	2,265,407
43 North Carolina.....	1,091	917	141,759	216,052	303,063	367,332	36,763	44,025	49,261	1,277,866	1,340,478	4,913,633
44 South Carolina.....	455	301	68,747	37,928	72,000	82,462	25,794	27,257	30,872	678,228	631,025	2,928,297
45 Georgia.....	927	645	106,783	190,558	342,400	313,621	92,873	86,670	77,434	1,836,246	1,464,455	5,068,070
46 Florida.....	170	157	14,857	114,107	125,406	257,001	49,730	45,053	44,729	832,167	479,899	1,921,209
47 EAST SOUTH CENTRAL:												
48 Kentucky.....	4,922	5,638	805,861	1,364,967	1,300,832	5,882,624	30,776	12,663	65,316	1,531,933	2,008,989	9,237,242
49 Tennessee.....	8,442	9,395	1,160,980	798,520	499,277	3,021,721	45,626	27,341	89,033	1,443,067	2,059,896	7,679,071
50 Alabama.....	1,413	2,010	160,134	144,713	323,457	304,160	81,265	122,175	84,561	1,320,016	1,474,347	4,597,215
51 Mississippi.....	1,928	2,017	310,635	200,381	315,751	430,087	47,641	57,283	46,995	1,335,842	1,313,624	5,101,102
52 WEST SOUTH CENTRAL:												
53 Arkansas.....	3,307	2,733	521,243	145,376	259,595	330,929	60,378	53,616	89,391	1,575,120	1,766,317	5,414,975
54 Louisiana.....	643	933	79,290	180,889	221,943	349,049	60,877	40,399	66,178	1,368,169	812,817	3,958,258
55 Oklahoma.....	6,394	3,088	1,053,765	62,733	188,741	254,660	27,076	14,826	67,041	1,887,434	1,265,189	12,330,354
56 Texas.....	24,166	18,855	1,922,718	1,812,717	1,898,794	6,315,019	1,150,145	640,710	2,542,249	2,430,058	2,778,881	12,262,778
57 MOUNTAIN:												
58 Montana.....	182	145	63,336	5,414,325	6,170,580	29,156,215	5,105	1,723	22,818	101,799	50,429	889,258
59 Idaho.....	388	591	108,226	3,018,352	3,122,576	15,939,239	5,813	4,300	37,317	181,197	117,547	1,425,087
60 Wyoming.....	209	466	28,115	5,405,241	5,099,765	29,724,310	3,280	2,609	18,923	34,690	15,610	378,991
61 Colorado.....	4,595	7,542	165,997	1,434,667	2,045,577	6,892,881	35,619	41,379	92,496	193,261	104,245	1,913,803
62 New Mexico.....	13,514	17,469	181,486	3,370,922	4,902,547	12,146,524	436,440	236,352	1,001,328	47,721	21,866	290,637
63 Arizona.....	9,982	6,091	100,362	1,227,864	924,584	4,403,331	259,396	99,994	585,110	18,512	18,815	128,707
64 Utah.....	1,213	927	75,056	1,866,969	3,821,838	8,851,178	30,382	1,469	79,037	68,538	71,768	480,004
65 Nevada.....	1,261	297	43,940	1,174,833	887,110	5,173,694	4,911	4,652	11,962	23,752	15,665	157,064
66 PACIFIC:												
67 Washington.....	287	183	114,510	478,512	930,988	1,948,601	9,410	3,008	35,356	210,409	187,104	1,719,960
68 Oregon.....	621	350	166,593	2,700,890	3,042,767	12,219,522	18,995	109,995	374,671	226,637	286,541	1,988,383
69 California.....	3,649	2,787	392,429	2,482,108	2,581,584	8,581,569	145,526	112,627	353,458	778,719	622,365	5,207,564

\* Includes Indian Territory.

## DOMESTIC ANIMALS ON FARMS AND NOT ON FARMS.

The table presented on the two preceding pages shows, by geographic divisions and states, the combined number of domestic animals both on farms and not on farms for 1910 and 1900, respectively, and also

the value for 1910. The following statement compares, for the United States as a whole, the data with regard to domestic animals on farms with those for animals not on farms:

Table 40	All domestic animals.	All cattle.	Dairy cows.	HORSES, MULES, AND asses AND BURROS.				Swine.	Sheep.	Goats.
				Total.	Horses.	Mules.	Asses and burros.			
<b>1910—Number:</b>										
Total.....		63,682,648	21,795,770	27,618,242	23,015,902	4,480,140	122,200	59,473,636	52,838,748	3,029,795
On farms.....		61,803,866	20,625,432	24,148,580	19,833,113	4,291,769	105,698	58,185,676	52,447,861	2,915,125
Not on farms.....		1,878,782	1,170,338	3,469,662	3,182,789	270,371	16,502	1,287,960	390,887	114,670
<b>1900—Number:</b>										
Total.....		69,335,832	18,108,666	24,752,436	21,203,901	3,438,523	110,012	64,686,155	61,735,014	1,948,952
On farms.....		67,719,410	17,135,633	21,625,800	18,267,020	3,264,615	94,165	62,868,041	61,503,713	1,870,599
Not on farms.....		1,616,422	973,033	3,126,636	2,936,881	173,908	15,847	1,818,114	231,301	78,353
<b>Increase, 1900-1910:</b>										
Total.....										
Number.....		-5,653,184	3,687,104	2,865,806	1,812,001	1,041,617	12,188	-5,212,519	-8,896,266	1,080,843
Per cent.....		-8.2	20.4	11.6	8.5	30.3	11.1	-8.1	-14.4	55.5
On farms.....										
Number.....		-5,915,544	3,489,799	2,522,780	1,566,093	945,154	11,533	-4,682,365	-9,055,852	1,044,526
Per cent.....		-8.7	20.4	11.7	8.6	29.0	12.2	-7.4	-14.7	55.8
Not on farms.....										
Number.....		262,360	197,305	343,026	245,908	96,463	655	-530,154	159,586	36,317
Per cent.....		16.2	20.3	11.0	8.4	55.5	4.1	-29.2	69.0	46.4
Per cent of total, 1910:										
On farms.....		97.0	94.6	87.4	86.2	94.0	86.5	97.8	99.3	96.2
Not on farms.....		3.0	5.4	12.6	13.8	6.0	13.5	2.2	0.7	3.8
<b>Value, 1910:</b>										
Total.....	\$5,296,421,619	\$1,560,539,868	\$753,237,930	\$3,085,460,483	\$2,505,792,588	\$564,766,397	\$14,901,498	\$409,414,568	\$234,664,528	\$6,542,172
On farms.....	\$4,760,060,093	\$1,499,523,697	\$706,236,307	\$2,622,180,170	\$2,083,588,195	\$525,391,863	\$13,200,112	\$399,338,308	\$232,841,585	\$6,176,423
Not on farms.....	\$536,361,526	\$60,016,261	\$47,001,623	\$463,280,313	\$422,204,393	\$39,374,534	\$1,701,386	\$10,076,260	\$1,822,943	\$365,749
<b>Average value per head, 1910:</b>										
Total.....		\$24.50	\$34.56	\$111.72	\$108.87	\$126.06	\$121.94	\$6.88	\$4.44	\$2.16
On farms.....		\$24.26	\$34.24	\$108.59	\$106.06	\$124.80	\$124.80	\$6.86	\$4.44	\$2.12
Not on farms.....		\$32.37	\$40.16	\$133.52	\$132.65	\$145.63	\$108.10	\$7.82	\$4.66	\$3.19
<b>Farms and inclosures reporting:</b>										
Total.....	8,048,346	6,184,262	6,008,095	6,085,585	1,943,671	52,143	4,699,687	617,034	106,500	
Farms.....	6,034,783	5,264,916	5,140,869	4,992,514	1,869,005	43,927	4,351,751	610,894	82,755	
Barns, and other inclosures not on farms.....	2,013,563	899,346	867,226	1,392,771	74,666	8,216	347,936	6,140	23,745	

<sup>1</sup> A minus sign (-) denotes decrease.

It will be seen that in 1910 the total value of domestic animals, both on farms and not on farms, was \$5,296,422,000, of which domestic animals not on farms contributed \$536,362,000, or a little over one-tenth. Of the total number of horses, mules, and asses and burros in the country those not on farms constituted 12.6 per cent, while the corresponding proportion for cattle was only 3 per cent, for swine only 2.2 per cent, and for sheep only seven-tenths of 1 per cent. Of the cattle not on farms about three-fifths were dairy cows.

Between 1900 and 1910 there was an increase of 16.2 per cent in the number of cattle not on farms, as

against a decrease in those on farms. The rate of increase in the number of horses, mules, and asses and burros taken together was nearly the same for those not on farms as for those on farms. The changes in the number of swine and sheep not on farms have probably little significance.

For every class of animals, except the unimportant class of asses and burros, the average value per head in 1910 was higher in the case of those not on farms than in the case of those on farms. This is due in part to the fact that a relatively larger proportion of the animals not on farms are of adult age than in the case of those on farms.

## CHAPTER 12.

### LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS SOLD OR SLAUGHTERED ON FARMS.

**Introduction.**—This chapter summarizes the data collected by the Thirteenth Decennial Census for dairy products, wool and mohair, poultry and eggs, honey and wax, and domestic animals sold or slaughtered on farms. The returns for these items at the census of 1910, like those for crops, relate to the activities of the calendar year 1909.

It is impossible to give a total representing the value of the annual production of live stock products, for the reason that the total value of products of the

business of raising domestic animals for use, sale, or slaughter can not be calculated from the census returns. And even if a total representing the value of the annual production of live stock products could be obtained and were added to the value of all crops (data for which are presented in Chapter 13), the sum would not accurately represent the total value of farm products for the year, because much duplication would result from the fact that part of the crops are fed to the live stock.

#### DAIRY PRODUCTS.

**United States as a whole: 1909 and 1899.**—The census statistics of dairy products are somewhat less complete and accurate than is believed to be the case with the statistics of the principal crops. While many farms make the dairy business the main or an important feature of their operations, yet for the great majority it is more or less incidental, cows being kept chiefly for breeding purposes or to supply milk and butter for the farmer's family. On such farms in particular, records of dairy products are seldom kept, and farmers are usually able to make only rough estimates regarding them, and in many cases are unwilling to make any estimates at all. Especial difficulty is encountered in securing reports of the total quantity of milk produced. In many instances, even when farmers make replies to all the inquiries, it is probable that they understate the production, particularly by neglecting or underestimating the home consumption of milk and other dairy products.

The incompleteness of the returns is indicated by the fact that, while there were 5,140,869 farms in the United States for which the enumerators reported dairy cows on April 15, 1910, for only 4,413,333 of these farms were dairy products of any kind reported as produced in 1909, and for only 402,460 was the quantity of milk produced in 1909 stated. The total number of dairy cows on farms April 15, 1910, was reported as 20,625,000, while the number on farms which reported the production of any kind of dairy products in 1909 was 18,746,000, or 90.9 per cent of the total number, and the number on farms which reported the production of milk in 1909 was 16,069,000, or 77.9 per cent of the total. In considering these figures, however, it should be borne in mind that there is no precise distinction between dairy cows and cows

not kept for their milk. In a considerable number of cases enumerators probably reported as dairy cows animals which in fact were primarily kept for breeding purposes and which were only milked for short periods, if at all, during the preceding year.

Because of this indefiniteness in the returns for dairy cows it has not been considered desirable to make estimates of the production of milk or other dairy products on farms which reported dairy cows but failed to report the quantity of milk produced or failed to report dairy products of any kind. At the Twelfth Census estimates of this character were made to a considerable extent, and for this reason the statistics published for that census are not closely comparable with those for the Thirteenth Census. The statistics of butter and cheese for the two censuses are, however, more nearly comparable than those for milk.

Table 1, on page 344, shows, for the United States, data regarding dairy products in 1909, as reported by the enumerators, together with certain items for 1899, as published in the reports of the Twelfth Census.

The total quantity of milk reported as produced on farms in 1909 was 5,814,000,000 gallons. There were, on April 15, 1910, 16,069,000 dairy cows on the farms reporting this milk. Assuming that there were the same number of cows in 1909, the average production of milk per cow would be 362 gallons.

The total value of dairy products of farms in 1909, exclusive of milk and cream consumed on the farm, was reported as \$596,413,000. This represents the sum of the receipts from the sale of milk, cream, and butter fat (amounting in all to \$372,403,000), and the value of all butter and cheese produced on farms, whether sold or retained for home use (amounting to \$224,010,000).

Table 1

	FARMS REPORTING.		Number of quantity.	Unit.	VALUE.	
	Number.	Per cent of all farms.			Total.	Average per unit.
Dairy cows on farms April 15, 1910.....	5,140,869	80.8	30,625,432			
On farms reporting dairy products in 1909.....	4,413,333	69.4	18,745,662			
On farms reporting milk produced in 1909.....	4,021,460	63.2	16,068,298			
Specified dairy products of farms, 1909:						
Milk reported.....	3,787,749	59.5	5,813,699,474	Gals..	\$222,861,430	\$0.22
Butter made.....	12,054	0.2	994,650,610	Lbs..	1,148,708	0.12
Cheese made.....			9,405,864	Lbs..		
Milk sold.....	493,916	7.8	1,937,255,864	Gals..	252,436,757	0.13
Cream sold.....	164,117	2.6	16,372,318	Lbs..	37,655,047	0.69
Butter fat sold <sup>1</sup> .....	361,126	5.7	305,662,587	Lbs..	82,311,511	0.27
Butter sold.....	1,785,408	28.1	415,080,489	Lbs..	100,378,123	0.24
Cheese sold.....	6,019	0.1	8,136,901	Lbs..	987,974	0.12
Total receipts from sales, 1909.....					473,769,412	
Total value of milk, cream, and butter fat sold and butter and cheese made, 1909.....					596,413,463	
Specified dairy products of farms, 1899:						
Butter made.....	3,617,366	63.0	1,071,626,056	Lbs..		
Cheese made.....	15,669	0.3	16,372,318	Lbs..		
Butter sold.....			518,042,767	Lbs..	86,570,973	0.17
Cheese sold.....			14,692,542	Lbs..	1,342,444	0.09
Butter and cheese made in factories:						
Butter—1909 <sup>2</sup> .....			624,764,653	Lbs..	179,510,619	0.29
1899.....			420,126,546	Lbs..	84,079,754	0.20
Cheese—1909.....			311,126,217	Lbs..	43,239,924	0.14
1899.....			281,972,324	Lbs..	26,519,826	0.09
Total production of butter and cheese:						
Butter—1909 <sup>2</sup> .....			1,619,415,263	Lbs..	402,372,659	0.25
1899.....			1,491,752,692	Lbs..		
Cheese—1909.....			320,532,181	Lbs..	44,388,632	0.14
1899.....			298,344,645	Lbs..		

<sup>1</sup> White butter fat does not constitute a separate product, large quantities of cream and milk are sold on the basis of a specified price per pound for the butter fat which they contain; hence it is proper to speak of the quantity of butter fat sold.

<sup>2</sup> In addition, 2,381,212 pounds of butter, valued at \$661,171, and 49,413 pounds of part-cream cheese, valued at \$5,755, were produced by establishments engaged in the manufacture of products other than those covered by creameries and cheese factories.

The census schedules did not call for the combined value of all dairy products as one item, nor did they call for the total value of milk produced. In order to obtain a true total for the value of dairy products, it would be necessary to ascertain the value of milk, cream, butter, and cheese consumed on the farm, including milk fed to animals, and to add to this the reported value of products sold. In the belief that no satisfactory results could be secured from such an inquiry, the census schedules did not call for the value of milk and cream consumed on the farm, and it has not been considered feasible to estimate this value from the other data reported. Such estimates were made at the Twelfth Census, but they can not be considered as more than very rough approximations.

The total reported value of dairy products sold in 1909 was \$473,769,000, of which the value of milk, cream, and butter fat sold represented nearly four-fifths and that of butter most of the remainder. The quantity of milk sold as such was reported as 1,937,000,000 gallons, or substantially one-third of the total reported as produced; but it should be borne in

mind that a great deal of milk sold or delivered to creameries for butter making is paid for on the basis of the cream or butter fat content, in which case the quantity of such cream or butter fat was usually reported on the census schedules and not the quantity of milk. The greater part of the milk reported as sold was doubtless consumed as such, chiefly in cities and villages, but a considerable quantity represents milk delivered to condensed-milk and cheese factories, and a small part represents milk which was delivered to creameries for the production of butter and reported as milk instead of on the basis of the cream or butter fat contained.

The reported farm production of butter and of cheese in 1909—994,651,000 pounds and 9,406,000 pounds, respectively—was considerably less than the production for the year 1899 as given in the published reports of the Twelfth Census, but this difference is doubtless due in part to the fact that the latter included some estimates for farms with incomplete reports. The manufacture of butter and cheese is, however, gradually being transferred from farms to factories. The combined farm and factory production of butter was 1,619,415,000 pounds in 1909 and 1,491,753,000 pounds in 1899. The increase during the decade was thus 127,663,000 pounds, or 8.6 per cent. The factory production alone increased 48.7 per cent. Of the total product, that made in factories constituted 38.6 per cent in 1909 and 28.2 per cent in 1899.

The production of cheese on farms and in factories was 320,532,000 pounds in 1909, as compared with 298,345,000 pounds in 1899, an increase of 7.4 per cent. At both censuses much the greater part of the cheese was made in factories, but the proportion in 1909 (97.1 per cent) was higher than that in 1899 (94.5 per cent).

**Production of dairy products, by divisions and states.**—Table 2 shows, by geographic divisions, the total number of farms reporting dairy cows, the number reporting dairy products, and the number reporting the quantity of milk produced, with the number of dairy cows reported by the farms of each class. Dairy products and milk production appear to have been much more completely reported in some divisions than in others. In the New England division, for example, the number of farms reporting dairy products was 91.9 per cent of the number reporting dairy cows, and the number reporting the quantity of milk produced, 83.6 per cent, while in the Mountain division the number of farms reporting dairy products was only 70.9 per cent of the number reporting dairy cows, and the number reporting the quantity of milk produced, 63.8 per cent. In general, it may be said that the reports of dairy products for the four northern divisions appear to be more complete than those for the other divisions, the deficiency being greatest in those divisions where cows not kept for dairy purposes considerably outnumber the dairy cows.

Table 2

DIVISION.	DAIRY COWS ON FARMS APRIL 15, 1910					
	Total.		On farms report- ing dairy products in 1909.		On farms report- ing milk produced in 1909.	
	Farms report- ing.	Number of cows.	Farms report- ing.	Number of cows.	Farms report- ing.	Number of cows.
United States.....	5,140,869	29,625,432	4,413,333	18,745,662	4,021,450	16,069,238
New England.....	147,028	841,638	135,139	805,922	122,854	730,520
Middle Atlantic.....	400,473	2,597,652	398,336	2,474,485	308,042	2,043,586
East North Central.....	1,009,479	4,829,527	924,481	4,550,632	808,709	3,817,196
West North Central.....	980,135	5,327,606	859,559	4,890,950	726,153	3,894,317
South Atlantic.....	794,716	1,810,754	658,507	1,557,143	635,948	1,464,875
East South Central.....	815,423	1,628,061	692,436	1,421,785	683,239	1,391,397
West South Central.....	724,466	2,249,553	579,641	1,899,495	559,993	1,792,126
Mountain.....	120,328	514,466	85,315	401,543	76,759	343,694
Pacific.....	139,821	826,115	109,857	723,691	99,733	591,377

Table 3 shows statistics of the production of dairy products on farms, by geographic divisions.

The distribution of the farm production of dairy products among the geographic divisions naturally conforms more or less closely to the distribution of the number of dairy cows, but the correspondence is by no means exact. The imperfections of the reports, both as to the number of dairy cows and as to the quantity of dairy products, especially milk produced, renders close comparison impossible.

Of the total value of dairy products in 1909 (excluding the value of milk and cream consumed on the farm

where produced), the East North Central division reported \$159,674,000, or 26.8 per cent, the Middle Atlantic division \$130,773,000, or 21.9 per cent, and the West North Central division \$108,825,000, or 18.2 per cent, these three divisions together reporting over two-thirds of the total. It is probable, however, that the relative importance of the home consumption of milk and cream is considerably greater in the South and somewhat greater in the West than it is in the North, and that if the value of all dairy products, including such consumption, could be accurately computed, the southern and western divisions would show somewhat larger percentages of the aggregate for the United States than appear in Table 3.

Because of the considerable degree of incomparability between the reports of the number of dairy cows and those of milk production, the average quantity of milk per cow is not presented for divisions or states. According to the figures reported, the average production per cow (based on the number of dairy cows in 1910 on farms reporting milk produced in 1909 and the quantity of milk produced in 1909) was very much greater in the New England, Middle Atlantic, East North Central, and Pacific divisions than in any of the others. This doubtless conforms approximately to the facts.

Table 3

Table 3	BUTTER MADE ON FARMS.										CHEESE MADE ON FARMS.			PER CENT OF TOTAL.		
	DIVISION.	Total value of dairy products of farms: <sup>1</sup> 1909	Milk reported (gallons): 1909	Quantity (pounds).		Value: 1909	Quantity (pounds).		Value: 1909	Number of dairy cows on farms April 15, 1910	Total value of dairy products: <sup>1</sup> 1909	Milk reported: 1909				
				1909	1899		1909	1899								
United States.....	\$596,413,453	5,813,699,474	994,650,610	1,071,626,056	\$222,261,450	9,405,864	16,372,318	\$1,148,708	100.0	100.0	100.0					
New England.....	50,720,765	347,872,803	40,732,783	51,454,627	11,704,089	673,865	1,033,103	89,189	4.1	8.5	6.0					
Middle Atlantic.....	130,772,563	1,001,209,989	88,242,228	154,829,824	22,996,544	1,910,549	3,546,096	194,472	12.6	21.5	17.2					
East North Central.....	159,673,557	1,564,282,966	230,966,876	287,878,290	53,198,927	1,891,208	3,636,613	215,355	23.4	26.8	26.9					
West North Central.....	108,824,533	1,266,991,620	201,172,278	251,226,460	44,748,964	1,684,109	59,599	25.8	18.2	22.8	21.8					
South Atlantic.....	25,578,455	418,845,384	123,270,552	89,111,296	26,654,617	480,805	51,024	8.8	6.6	7.2	7.2					
East South Central.....	30,200,917	400,476,525	136,239,873	97,541,277	25,739,427	93,971	137,327	9,703	7.9	5.1	6.9					
West South Central.....	32,394,627	416,401,603	128,188,799	88,382,053	25,838,528	424,482	336,113	44,597	10.9	5.4	7.2					
Mountain.....	12,991,603	116,468,996	18,115,811	14,869,383	4,992,172	457,740	730,596	70,947	2.5	2.2	2.0					
Pacific.....	35,267,042	281,091,588	27,721,410	36,332,916	7,678,172	3,060,048	4,868,513	413,432	4.0	5.9	4.4					

<sup>1</sup> Excluding milk and cream used on the farms producing.

Table 4, on the next page, shows the production of butter and cheese on farms and in factories, by geographic divisions, and Table 5 shows the percentage of the respective totals reported for each division.

In 1909 the production in factories formed 67.3 per cent of the total production of butter in the Pacific division and 54.8 per cent in the West North Central division, while in the three southern divisions taken together it represented only 2.3 per cent. In the other four divisions less butter was made in factories than on farms, but there was no such great difference as in the South. Of the total production of butter on farms and in factories in 1909, the West North Central division reported 27.5 per cent and the East North Central 26.2 per cent, the production in the Middle Atlantic division, which ranked next, constituting only 10.2 per cent of the total.

While the butter production is very widely distributed, cheese is produced only to a limited extent outside of two divisions. The East North Central division in 1909 produced 56.3 per cent of the total farm and factory output, and the Middle Atlantic 36.9 per cent. In fact, as shown by Table 10, two states, Wisconsin and New York, produced about four-fifths of the total. The quantity of butter made on farms was less in 1909 than in 1899 in the four geographic divisions of the North, and also in the Pacific division, but in all of these divisions, except the Middle Atlantic and the New England, the factory production was decidedly greater in the later year than in the earlier. In the three southern divisions, where practically all the butter is still made on farms, there was an increase in farm production between 1899 and 1909, the percentage of increase for the three divisions taken together being 41.

Table 4

Table 4	BUTTER PRODUCED (POUNDS).				CHEESE PRODUCED (POUNDS).				PER CENT OF TOTAL.			
	DIVISION.			Increase. <sup>1</sup>	1909	1899	Increase. <sup>1</sup>		Butter.		Cheese.	
		1909	1899	Amount.			Per cent.	Amount.	Per cent.	1909	1899	1909
United States:												
Total.....	1,519,415,263	1,491,752,662	127,562,661	8.6	320,532,181	298,344,842	22,187,339	7.4	100.0	100.0	100.0	100.0
Made on farms.....	894,630,510	1,071,636,056	-176,999,446	-19.7	9,405,254	15,372,318	-5,966,454	-42.6	61.4	71.8	2.9	4.5
Made in factories*.....	624,784,653	420,126,946	204,658,107	48.7	311,126,917	281,972,324	29,153,993	10.3	38.6	28.2	97.1	94.5
NEW ENGLAND:												
Total.....	(2)	92,032,196	(2)	(2)	3,676,609	6,958,700	-3,282,091	-47.2	(2)	100.0	100.0	100.0
Made on farms.....	40,732,783	51,454,627	-10,721,844	-20.8	673,865	1,003,103	-329,238	-32.8	(2)	55.9	18.3	14.4
Made in factories.....	(2)	40,577,669	(2)	(2)	3,002,744	5,955,597	-2,952,853	-49.6	(2)	44.1	81.7	85.6
MIDDLE ATLANTIC:												
Total.....	165,292,518	233,986,550	-68,593,832	-29.3	118,339,484	141,259,571	-22,920,087	-16.2	100.0	100.0	100.0	100.0
Made on farms.....	88,242,228	154,829,824	-66,587,596	-43.0	1,910,549	3,506,096	-1,595,547	-45.5	53.4	66.2	1.6	2.5
Made in factories.....	77,150,290	79,156,726	-2,006,236	-2.5	116,428,935	137,733,475	-21,324,540	-15.5	46.6	33.8	98.4	97.5
EAST NORTH CENTRAL:												
Total.....	424,137,997	403,208,390	20,929,067	5.2	180,423,449	120,279,089	60,144,360	50.0	100.0	100.0	100.0	100.0
Made on farms.....	230,966,870	287,878,290	-56,911,421	-19.8	1,891,208	3,636,013	-1,744,805	-48.0	54.5	71.4	1.0	3.0
Made in factories.....	193,171,121	115,330,640	77,840,481	67.5	178,532,241	116,643,076	61,889,165	53.1	45.5	28.6	99.0	97.0
WEST NORTH CENTRAL:												
Total.....	444,724,204	467,632,767	-37,091,437	-9.1	(2)	13,667,004	(2)	(2)	100.0	100.0	(2)	100.0
Made on farms.....	201,172,278	251,226,460	-50,054,182	-9.9	473,196	1,684,109	-1,210,913	-71.9	45.2	61.6	(2)	12.3
Made in factories.....	243,551,926	156,406,307	87,145,619	55.7	(2)	11,882,895	(2)	(2)	54.8	38.4	(2)	87.7
SOUTH ATLANTIC:												
Total.....	(2)	92,883,312	(2)	(2)	(2)	593,308	(2)	(2)	(2)	100.0	(2)	100.0
Made on farms.....	123,270,552	89,111,226	34,159,326	38.3	(2)	480,805	(2)	357	0.1	(2)	95.9	(2)
Made in factories.....	(2)	3,772,086	(2)	(2)	(2)	112,860	(2)	(2)	(2)	4.1	(2)	18.0
EAST SOUTH CENTRAL:												
Total.....	(2)	97,541,277	38,698,596	39.7	(2)	93,971	137,327	-43,356	-31.6	(2)	(2)	100.0
Made on farms.....	136,239,873	(2)	(2)	(2)	(2)	93,971	137,327	-43,356	-31.6	(2)	(2)	100.0
Made in factories.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
WEST SOUTH CENTRAL:												
Total.....	(2)	88,856,542	(2)	(2)	(2)	473,381	(2)	(2)	(2)	100.0	(2)	100.0
Made on farms.....	128,188,799	88,382,053	39,806,746	45.0	(2)	424,482	336,113	88,369	26.3	(2)	99.5	(2)
Made in factories.....	(2)	474,489	(2)	(2)	(2)	137,268	(2)	(2)	(2)	0.5	(2)	71.0
MOUNTAIN:												
Total.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Made on farms.....	18,115,811	14,869,383	3,246,428	21.8	(2)	457,740	720,596	-262,856	-36.5	(2)	(2)	(2)
Made in factories.....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
PACIFIC:												
Total.....	84,780,111	54,653,831	30,126,280	55.1	9,208,931	10,222,747	-1,013,816	-9.9	100.0	100.0	100.0	100.0
Made on farms.....	27,721,410	36,332,916	-8,611,506	-23.7	3,000,048	4,868,513	-1,868,465	-38.4	32.7	66.5	32.6	47.0
Made in factories.....	57,058,701	18,320,915	38,737,786	211.4	6,208,883	5,354,234	854,649	16.0	67.3	33.5	67.4	52.0

\* See footnote 2, Table 1, p. 344.

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Can not be shown separately, as to do so would disclose individual operations.

Table 5

<b>DIVISION.</b>												
	<b>Butter.</b>						<b>Cheese.</b>					
	<b>Total.</b>		<b>Made on farms.</b>		<b>Made in factories.</b>		<b>Total.</b>		<b>Made on farms.</b>		<b>Made in factories.</b>	
	<b>1909</b>	<b>1899</b>	<b>1909</b>	<b>1899</b>	<b>1909</b>	<b>1899</b>	<b>1909</b>	<b>1899</b>	<b>1909</b>	<b>1899</b>	<b>1909</b>	<b>1899</b>
<b>United States.....</b>	<b>100.0</b>	<b>100.0</b>	<b>6.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
New England.....	(1)	6.2	4.1	4.8	(1)	9.7	1.1	2.3	7.2	1.0	7.2	1.0
Middle Atlantic.....	10.2	15.7	8.9	14.4	12.2	18.8	36.9	47.3	20.3	37.4	20.3	37.4
East North Central.....	26.2	27.0	23.2	26.9	30.9	27.5	56.3	40.3	20.1	57.4	20.1	57.4
West North Central.....	37.5	27.3	20.2	23.4	39.0	37.2	(1)	4.6	5.0	4.6	5.0	4.6
South Atlantic.....	(1)	6.2	12.4	8.5	(1)	0.9	(1)	0.2	5.1	(1)	0.2	5.1
East South Central.....	(1)	(1)	3.7	9.1	(1)	(1)	(1)	(1)	1.0	(1)	1.0	(1)
West South Central.....	(1)	6.0	12.9	8.2	(1)	0.1	(1)	0.2	4.5	(1)	0.2	4.5
Mountain.....	(1)	(1)	1.8	1.4	(1)	(1)	(1)	(1)	4.9	(1)	4.9	(1)
Pacific.....	5.2	3.7	2.8	3.4	9.1	4.4	2.9	3.4	31.9	2.0	31.9	2.0

<sup>1</sup> Can not be shown separately, as to do so would disclose individual operations.

<sup>2</sup> Less than one-tenth of 1 per cent.

Tables 9 and 10, on subsequent pages show, by states, statistics of the dairy products of farms, and the quantity of butter and cheese made in factories, with the total made on farms and in factories. In 1909 the leading dairy states, as judged by the total value of the farm production (excluding milk and cream used at home), were New York, Wisconsin, Pennsylvania, Illinois, Iowa, Ohio, Minnesota, Michigan, and California, in each of which the value reported exceeded \$20,000,000. In the production of butter (on farms and in factories combined) Wisconsin was the leading state, followed by Iowa, Minnesota, Pennsylvania, Michigan, Ohio, Illinois, and New York. A large part

of the milk produced in New York is sold for consumption in the cities, and a large proportion is also used in making cheese. New York ranked next to Wisconsin in the production of cheese, and in no other state did the quantity produced equal one-seventh of that reported for New York. In the combined production of butter and cheese Wisconsin led, with 279,992,000 pounds, followed by New York, with 174,944,000 pounds.

Sales of dairy products, by divisions and states.—Table 6 shows, by geographic divisions, the quantity and value of dairy products sold by farmers. Sales of butter and cheese by factories are not shown, as they are substantially the same as the production.

Comparisons between divisions as to the percentage which milk sold as such—which does not include milk paid for on the basis of cream or butter fat content—forms of the total milk produced would have comparatively little significance. As shown by the percentages in Table 6, there are wide differences among the geographic divisions with respect to the ratio which the quantity of butter and, to a less degree, of cheese, sold bears to the total production. In the North and West a large proportion of the butter made on farms is sold, the percentages in 1909 ranging from 42.2 in the Mountain division to 72.5 in New England. In the South a much smaller proportion is sold, the percentages ranging from 16.7 in the East South Central division to 27.5 in the South Atlantic. In a majority

Table 6

DIVISION.	Amount received from sales of dairy products by farmers: 1909	Milk sold (gallons): 1909	Cream sold (gallons): 1909	Butter fat sold (pounds): 1909	BUTTER SOLD BY FARMERS (POUNDS).		CHEESE SOLD BY FARMERS (POUNDS).		RATIO OF SALES TO TOTAL PRODUCTION (PER CENT).			
					1909	1899	1909	1899	Butter.		Cheese.	
									1909	1899	1909	1899
<b>United States:</b>												
Quantity sold.....		1,837,355,894	54,933,583	305,662,587	415,080,489	518,942,767	8,136,301	14,682,542	41.7	48.3	86.5	89.7
Amount received.....	\$473,769,412	\$282,436,757	\$37,655,947	\$52,311,511	\$100,378,123	\$56,570,973	\$987,974	\$1,342,444				
<b>NEW ENGLAND:</b>												
Quantity sold.....		175,209,759	4,469,060	14,599,430	29,528,001	38,854,031	591,008	870,036	72.5	75.5	87.7	86.7
Amount received.....	\$47,538,217	\$31,344,948	\$3,168,909	\$4,413,631	\$5,533,864	\$8,193,207	\$76,865	\$98,667				
<b>MIDDLE ATLANTIC:</b>												
Quantity sold.....		750,556,633	2,446,696	44,023,628	57,828,247	106,919,914	1,752,682	3,358,354	65.5	69.1	91.7	95.8
Amount received.....	\$122,959,049	\$93,644,462	\$1,713,979	\$12,233,106	\$15,229,862	\$20,153,645	\$177,640	\$306,032				
<b>EAST NORTH CENTRAL:</b>												
Quantity sold.....		661,302,433	15,272,040	85,099,734	135,159,149	162,381,475	1,718,462	3,317,844	58.5	56.4	90.9	91.2
Amount received.....	\$138,401,771	\$73,063,198	\$10,157,366	\$23,128,671	\$31,855,809	\$24,820,189	\$196,727	\$273,200				
<b>WEST NORTH CENTRAL:</b>												
Quantity sold.....		144,537,918	22,599,643	123,176,904	88,186,732	122,614,081	334,300	1,331,797	43.8	48.8	70.6	79.1
Amount received.....	\$84,390,336	\$18,214,700	\$14,530,377	\$31,270,493	\$20,333,127	\$17,875,635	\$41,639	\$126,771				
<b>SOUTH ATLANTIC:</b>												
Quantity sold.....		45,378,866	1,027,441	505,994	33,888,871	24,432,566	385,920	436,703	27.5	27.4	80.3	90.9
Amount received.....	\$17,137,738	\$5,663,975	\$743,112	\$125,727	\$7,622,916	\$4,214,943	\$42,008	\$25,040				
<b>EAST SOUTH CENTRAL:</b>												
Quantity sold.....		22,593,214	368,959	217,860	22,688,468	16,500,683	64,738	77,691	16.7	16.9	68.9	56.5
Amount received.....	\$9,301,281	\$4,126,971	\$265,754	\$50,062	\$4,842,959	\$2,734,995	\$6,535	\$7,847				
<b>WEST SOUTH CENTRAL:</b>												
Quantity sold.....		21,070,626	1,064,000	4,465,810	24,321,179	15,745,423	270,967	231,316	19.0	17.8	63.8	68.8
Amount received.....	\$11,922,158	\$4,700,646	\$795,188	\$1,015,068	\$5,351,690	\$2,499,218	\$29,566	\$20,370				
<b>MOUNTAIN:</b>												
Quantity sold.....		31,108,665	1,549,884	4,799,182	7,635,775	7,092,465	307,141	554,371	42.2	47.7	67.1	76.9
Amount received.....	\$10,141,383	\$5,346,099	\$1,280,340	\$1,352,095	\$2,106,913	\$1,518,094	\$45,931	\$61,125				
<b>PACIFIC:</b>												
Quantity sold.....		55,497,749	6,135,933	28,774,135	15,844,067	23,502,129	2,711,673	4,514,330	57.2	64.7	90.4	92.7
Amount received.....	\$31,947,479	\$13,391,758	\$1,500,922	\$8,723,658	\$4,410,978	\$7,564,047	\$71,003	\$423,374				

of the divisions a smaller proportion was sold in 1909 than in 1899.

In total value of dairy products sold by farmers in 1909, the East North Central division ranked first, followed by the Middle Atlantic and West North Central, these three divisions together reporting 73 per cent of the total for the United States.

Table 7 shows, by geographic divisions, the average value per gallon or per pound of the several classes of dairy products sold by farmers.

Table 7

DIVISION.	AVERAGE VALUE OF PRODUCTS SOLD BY FARMERS.					
	Milk, per gallon: 1909	Cream, per gallon: 1909	Butter fat, per pound: 1909	Butter, per pound.		Cheese, per pound.
				1909	1899	
<b>United States.....</b>	<b>\$0.130</b>	<b>\$0.685</b>	<b>\$0.269</b>	<b>\$0.242</b>	<b>\$0.157</b>	<b>\$0.121</b>
New England.....	0.179	0.709	0.352	0.289	0.211	0.130
Middle Atlantic.....	0.125	0.701	0.278	0.263	0.188	0.101
East North Central.....	0.110	0.665	0.272	0.236	0.153	0.114
West North Central.....	0.126	0.645	0.254	0.231	0.146	0.091
South Atlantic.....	0.190	0.723	0.249	0.225	0.173	0.109
East South Central.....	0.183	0.720	0.217	0.213	0.166	0.101
West South Central.....	0.223	0.747	0.227	0.221	0.159	0.088
Mountain.....	0.172	0.739	0.282	0.284	0.214	0.110
Pacific.....	0.157	0.823	0.303	0.275	0.194	0.137

The average value of butter sold by farmers in the United States was 16.6 cents per pound in 1909, as compared with 16.7 cents in 1899, an increase of 44.9 per cent. In 1909 the average value was highest in New England, 28.9 cents, and lowest in the East South Central division, 21.3 cents. The average value of cheese sold increased from 9.1 cents per pound in 1899 to 12.1 cents in 1909, or 33 per cent. In the latter year the average ranged from 10.1 cents in the Middle Atlantic and East South Central divisions to 15 cents in the Mountain division.

Table 8 shows, by states, the sales of dairy products.

Table 8

STATE.	SALES OF SPECIFIED DAIRY PRODUCTS BY FARMERS: 1909					
	Receipts from sales (dollars).	Milk (gallons).	Cream (gallons).	Butter fat (pounds).	Butter (pounds).	Cheese (pounds).
<b>United States.....</b>	<b>473,769,412</b>	<b>1,937,255,894</b>	<b>54,933,583</b>	<b>305,662,587</b>	<b>415,080,489</b>	<b>8,136,301</b>
<b>N. ENGLAND:</b>						
Maine.....	6,722,779	12,784,866	737,706	4,960,344	8,389,817	84,244
New Hampshire.....	5,130,927	21,132,268	380,944	566,292	1,168,705	168,705
Vermont.....	11,501,577	33,988,994	2,353,686	7,756,395	12,892,124	238,319
Massachusetts.....	14,940,927	64,406,692	501,876	1,148,019	2,220,311	32,490
Rhode Island.....	2,017,444	8,796,847	42,421	5,347	177,322	2,175
Connecticut.....	7,325,433	34,000,152	452,427	1,063,996	2,337,834	55,075
<b>MID. ATLANTIC:</b>						
New York.....	74,939,815	624,279,723	1,207,174	36,249,617	12,630,113	334,391
New Jersey.....	9,685,352	56,856,530	79,485	249,557	2,003,029	42,462
Pennsylvania.....	38,363,882	169,420,361	1,160,037	7,524,454	45,166,105	1,375,919
<b>E. N. CENT.:</b>						
Ohio.....	25,674,635	99,430,948	2,191,997	7,563,527	39,252,326	518,650
Indiana.....	12,768,710	32,862,414	1,347,660	6,361,831	24,715,894	39,858
Illinois.....	29,720,849	158,031,333	2,104,332	4,637,745	24,442,261	54,502
Michigan.....	22,099,178	74,925,769	2,485,061	18,287,691	30,010,783	284,026
Wisconsin.....	51,238,399	297,251,969	7,142,970	48,248,940	16,737,895	821,426
<b>W. N. CENT.:</b>						
Minnesota.....	25,214,222	53,181,785	5,756,165	40,414,151	18,016,409	79,045
Iowa.....	26,429,743	55,241,511	5,062,449	42,917,696	17,917,287	61,160
Missouri.....	8,187,856	15,733,185	1,399,989	4,927,383	14,646,771	104,339
N. Dakota.....	2,876,298	1,444,150	834,108	2,185,377	7,019,109	9,974
S. Dakota.....	4,501,440	2,385,781	2,232,961	5,776,689	5,941,092	7,380
Nebraska.....	7,631,658	6,509,359	1,552,903	13,271,699	11,652,068	55,528
Kansas.....	9,549,129	9,851,126	2,361,065	14,583,990	12,993,836	16,674
<b>S. ATLANTIC:</b>						
Georgia.....	966,173	4,425,099	25,809	18,149	1,024,945	200
Florida.....	4,784,232	10,424,325	455,496	343,148	5,682,228	251,071
Maryland.....	116,116	339,345			1,500	
Virginia.....	3,772,617	8,577,893	302,217	97,558	7,983,439	41,612
W. Virginia.....	4,050,744	10,450,744	8,423	8,423	2,805,021	2,435
N. Carolina.....	1,787,245	2,380,029	21,329	9,224	7,050,590	28,982
S. Carolina.....	626,305	919,745	11,282	10,023	1,752,209	8,415
Alabama.....	1,974,011	3,372,098	97,554	17,286	4,385,354	165
Mississippi.....	578,715	1,388,791	9,048	2,095	3,101,621	112
<b>E. S. CENT.:</b>						
Kentucky.....	3,729,237	10,415,482	159,016	154,427	8,421,827	38,581
Tennessee.....	3,211,978	6,514,299	145,976	32,345	9,099,307	11,883
Alabama.....	1,305,594	2,897,426	28,383	21,744	2,805,021	2,435
Mississippi.....	1,001,562	1,966,097	35,582	9,344	2,452,313	11,579
<b>W. S. CENT.:</b>						
Arkansas.....	1,508,882	3,952,322	53,302	74,697	3,094,311	8,496
Louisiana.....	1,588,328	4,601,111	32,433	7,073	1,019,420	180,792
Oklahoma.....	3,366,515	3,626,217	526,193	3,137,112	7,465,824	11,765
Texas.....	5,461,423	8,990,968	452,072	1,247,018	12,164,624	69,730
<b>MOUNTAIN:</b>						
Montana.....	1,646,693	3,584,689	274,679	652,097	1,234,263	44,571
Idaho.....	1,379,390	2,060,111	319,542	1,911,867	1,417,643	61,203
Wyoming.....	335,925	1,377,607	46,680	67,303	461,952	6,435
Colorado.....	3,407,723	10,037,067	440,257	1,087,681	2,414,143	86,413
New Mexico.....	434,199	1,036,922	9,679	11,248	410,634	24,918
Arizona.....	842,210	3,347,723	37,744	665,850	120,951	50,181
Utah.....	1,648,655	8,471,713	270,225	914,133	919,881	62,065
Nevada.....	443,588	1,192,333	150,775	209,008	156,588	1,354
<b>PACIFIC:</b>						
Wash.....	7,693,479	25,524,209	1,911,261	4,386,283	3,112,326	43,330
Oregon.....	5,170,703	14,640,108	827,541	5,111,133	2,446,158	154,328
California.....	19,083,297	45,333,432	3,397,061	19,176,719	10,285,538	2,513,815

## DAIRY PRODUCTS OF FARMS, BY DIVISIONS AND STATES.

Table 9 DIVISION OR STATE.	Total value, excluding home use of milk and cream: 1909	Milk reported (gallons): 1909	BUTTER MADE.			CHEESE MADE.		
			Quantity (pounds).		Value: 1909	Quantity (pounds).		Value: 1909
			1909	1899		1909	1899	
<b>United States.....</b>	<b>3596, 413, 463</b>	<b>5, 813, 699, 474</b>	<b>994, 650, 610</b>	<b>1, 071, 626, 056</b>	<b>\$222, 861, 440</b>	<b>9, 405, 364</b>	<b>16, 372, 318</b>	<b>\$1, 148, 708</b>
<b>GEOGRAPHIC DIVISIONS:</b>								
New England.....	50, 720, 766	347, 872, 803	40, 732, 783	51, 454, 627	11, 704, 089	673, 865	1, 003, 103	89, 189
Middle Atlantic.....	130, 772, 563	1, 001, 269, 989	88, 242, 228	154, 829, 824	22, 966, 541	1, 910, 549	3, 506, 096	194, 472
East North Central.....	150, 675, 557	1, 564, 282, 966	230, 966, 876	287, 878, 290	53, 108, 927	1, 891, 208	3, 636, 013	215, 395
West North Central.....	108, 824, 533	1, 266, 991, 020	201, 172, 278	251, 226, 460	44, 748, 964	473, 196	1, 684, 109	50, 999
South Atlantic.....	35, 578, 455	418, 843, 384	123, 270, 552	89, 111, 236	26, 054, 617	480, 805	480, 448	51, 024
East South Central.....	30, 200, 917	400, 476, 525	136, 239, 873	97, 541, 277	25, 739, 427	93, 971	157, 327	9, 703
West South Central.....	32, 394, 027	416, 401, 603	128, 188, 799	88, 382, 053	25, 838, 528	424, 482	336, 113	44, 587
Mountain.....	12, 991, 603	116, 468, 996	18, 115, 811	14, 869, 353	4, 992, 172	457, 740	720, 596	70, 897
Pacific.....	35, 257, 042	281, 091, 588	27, 721, 410	36, 332, 916	7, 678, 172	3, 000, 048	4, 868, 513	413, 432
<b>NEW ENGLAND:</b>								
Maine.....	8, 079, 692	56, 026, 334	13, 299, 229	16, 174, 173	3, 786, 064	118, 216	425, 102	18, 872
New Hampshire.....	5, 589, 711	35, 033, 153	5, 065, 188	6, 385, 611	1, 509, 706	180, 996	401, 339	24, 466
Vermont.....	12, 128, 465	114, 317, 169	15, 165, 092	18, 834, 706	4, 185, 028	245, 884	406, 669	32, 583
Massachusetts.....	15, 187, 774	86, 304, 347	3, 364, 516	4, 980, 262	1, 041, 482	45, 753	19, 629	5, 311
Rhode Island.....	2, 065, 941	10, 441, 951	339, 607	488, 086	104, 161	3, 560	6, 751	615
Connecticut.....	7, 669, 183	45, 749, 849	3, 498, 551	4, 591, 789	1, 077, 058	79, 156	40, 023	7, 352
<b>MIDDLE ATLANTIC:</b>								
New York.....	77, 807, 161	597, 363, 198	23, 461, 702	74, 714, 376	6, 268, 386	390, 049	2, 624, 552	43, 195
New Jersey.....	10, 156, 600	67, 698, 219	3, 622, 411	5, 894, 363	1, 059, 935	77, 824	24, 377	9, 277
Pennsylvania.....	42, 808, 802	336, 208, 572	61, 158, 115	74, 221, 085	15, 068, 223	1, 442, 676	857, 167	152, 000
<b>EAST NORTH CENTRAL:</b>								
Ohio.....	30, 869, 408	307, 590, 755	63, 569, 132	79, 551, 299	14, 305, 997	613, 233	1, 167, 001	57, 182
Indiana.....	16, 666, 374	194, 736, 962	43, 181, 817	51, 042, 396	9, 402, 994	65, 619	178, 733	7, 800
Illinois.....	31, 542, 209	320, 240, 399	46, 609, 992	52, 403, 450	10, 493, 217	81, 918	323, 485	8, 396
Michigan.....	26, 727, 538	283, 387, 201	50, 405, 426	60, 051, 968	11, 805, 872	291, 176	331, 176	36, 228
Wisconsin.....	53, 868, 028	458, 327, 649	27, 200, 509	44, 739, 147	7, 101, 237	841, 202	1, 635, 618	105, 789
<b>WEST NORTH CENTRAL:</b>								
Minnesota.....	29, 219, 406	273, 319, 603	34, 708, 669	41, 188, 846	8, 593, 233	106, 073	290, 623	14, 375
Iowa.....	31, 196, 853	318, 954, 506	38, 679, 568	61, 789, 288	9, 061, 041	78, 538	306, 428	10, 689
Missouri.....	13, 655, 318	188, 297, 972	42, 105, 143	45, 509, 110	8, 744, 025	159, 785	323, 439	17, 495
North Dakota.....	4, 872, 304	70, 637, 899	16, 414, 439	9, 178, 815	3, 508, 579	22, 754	70, 881	2, 976
South Dakota.....	6, 192, 608	82, 428, 514	13, 629, 467	17, 400, 970	3, 024, 509	14, 344	156, 863	2, 011
Nebraska.....	10, 566, 275	160, 610, 359	25, 986, 331	34, 518, 659	5, 385, 494	63, 773	264, 430	8, 477
Kansas.....	13, 091, 739	172, 742, 767	29, 647, 881	41, 640, 772	6, 432, 083	27, 927	291, 445	3, 976
<b>SOUTH ATLANTIC:</b>								
Delaware.....	1, 089, 497	7, 859, 857	1, 563, 161	1, 629, 949	400, 428	700	104	114
Maryland.....	5, 480, 990	41, 094, 421	8, 739, 620	9, 096, 602	2, 010, 106	259, 350	335, 453	26, 277
District of Columbia.....	117, 335	555, 342	6, 155	3, 478	1, 754	.....	.....	.....
Virginia.....	7, 704, 326	95, 555, 051	26, 651, 244	19, 905, 830	5, 683, 900	97, 263	31, 697	9, 191
West Virginia.....	5, 000, 138	71, 230, 033	18, 969, 699	16, 913, 129	4, 054, 498	70, 473	74, 243	9, 003
North Carolina.....	5, 789, 583	82, 601, 779	26, 059, 585	16, 913, 802	5, 213, 783	39, 353	28, 883	3, 729
South Carolina.....	2, 800, 605	37, 361, 606	12, 329, 567	8, 150, 437	2, 562, 561	12, 909	1, 081	2, 542
Georgia.....	6, 621, 585	74, 908, 776	27, 246, 247	15, 111, 494	5, 636, 255	309	2, 236	72
Florida.....	974, 456	7, 676, 459	1, 705, 274	1, 386, 445	492, 172	322	3, 751	36
<b>EAST SOUTH CENTRAL:</b>								
Kentucky.....	9, 055, 813	125, 566, 917	38, 130, 687	30, 446, 381	7, 117, 905	56, 148	45, 759	4, 843
Tennessee.....	8, 715, 441	117, 101, 970	39, 827, 906	29, 091, 696	7, 392, 901	18, 592	26, 622	2, 168
Alabama.....	6, 396, 198	78, 728, 345	29, 550, 595	19, 121, 964	5, 657, 610	5, 528	36, 374	759
Mississippi.....	6, 033, 465	79, 079, 293	28, 730, 685	18, 881, 230	5, 571, 011	13, 703	28, 572	1, 933
<b>WEST SOUTH CENTRAL:</b>								
Arkansas.....	6, 587, 428	83, 081, 875	29, 907, 337	21, 585, 258	5, 883, 384	20, 435	18, 385	3, 027
Louisiana.....	2, 761, 380	32, 702, 130	6, 232, 006	4, 918, 229	1, 430, 059	190, 089	135, 104	18, 065
Oklahoma.....	7, 385, 295	103, 577, 644	27, 056, 242	13, 887, 074	5, 613, 253	18, 968	146, 491	3, 154
Texas.....	15, 679, 924	197, 039, 954	64, 993, 214	47, 991, 492	12, 911, 632	194, 990	136, 133	20, 351
<b>MOUNTAIN:</b>								
Montana.....	2, 093, 594	16, 982, 145	2, 820, 574	2, 454, 072	811, 792	49, 988	20, 924	8, 195
Idaho.....	1, 962, 500	30, 861, 072	3, 542, 155	2, 530, 316	982, 397	90, 675	196, 052	12, 525
Wyoming.....	539, 423	6, 453, 634	1, 192, 122	888, 554	331, 021	10, 276	24, 327	1, 591
Colorado.....	4, 174, 270	33, 631, 723	5, 856, 132	4, 932, 492	1, 365, 224	69, 895	103, 184	10, 045
New Mexico.....	729, 692	6, 815, 942	1, 477, 617	313, 003	402, 263	81, 509	68, 571	13, 515
Arizona.....	909, 411	6, 881, 608	325, 980	379, 311	105, 347	60, 600	33, 305	9, 115
Utah.....	2, 067, 534	20, 486, 317	2, 497, 366	2, 812, 122	672, 479	84, 102	169, 251	13, 125
Nevada.....	518, 179	4, 556, 555	403, 885	509, 523	121, 649	10, 245	94, 082	1, 781
<b>PACIFIC:</b>								
Washington.....	8, 746, 041	70, 083, 033	6, 751, 575	7, 372, 106	1, 992, 249	52, 970	151, 669	6, 787
Oregon.....	6, 067, 024	56, 106, 599	5, 067, 964	8, 107, 450	1, 599, 931	169, 205	467, 256	23, 151
California.....	20, 443, 977	154, 901, 956	15, 301, 871	20, 833, 369	4, 085, 992	2, 777, 873	4, 249, 588	383, 494

1 Includes Indian Territory.



## FACTORY PRODUCTION AND TOTAL PRODUCTION OF BUTTER AND CHEESE, BY DIVISIONS AND STATES.

Table 10 DIVISION OR STATE.	BUTTER AND CHEESE MADE IN FACTORIES.				BUTTER AND CHEESE MADE ON FARMS AND IN FACTORIES.			
	Butter (pounds).		Cheese (pounds).		Butter (pounds).		Cheese (pounds).	
	1909	1899	1909	1899	1909	1899	1909	1899
<b>United States*.</b>	<b>624,764,853</b>	<b>420,126,546</b>	<b>311,128,317</b>	<b>281,972,324</b>	<b>1,619,415,263</b>	<b>1,491,752,602</b>	<b>320,532,181</b>	<b>298,344,642</b>
<b>GEOGRAPHIC DIVISIONS:</b>								
New England.....	(1)	40,577,569	3,002,744	5,955,597	(1)	92,032,196	3,676,609	6,958,700
Middle Atlantic.....	77,150,290	79,156,526	116,425,935	137,753,475	165,392,518	233,986,350	118,339,484	141,259,571
East North Central.....	193,171,121	115,330,640	178,532,241	116,648,076	424,137,997	403,208,959	180,425,419	120,279,089
West North Central.....	243,551,926	156,406,307	(1)	11,982,985	444,724,204	407,632,767	(1)	13,067,064
South Atlantic.....	(1)	3,772,086	(1)	112,860	(1)	92,883,312	(1)	593,308
East South Central.....	(1)	(1)	(1)	(1)	(1)	(1)	93,971	(1)
West South Central.....	(1)	474,489	(1)	137,268	(1)	88,856,542	(1)	473,381
Mountain.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Pacific.....	57,058,701	18,320,915	6,208,883	5,354,234	84,780,111	54,653,831	9,208,931	10,222,747
<b>NEW ENGLAND:</b>								
Maine.....	2,105,622	4,461,399	55,591	553,946	15,404,851	20,635,572	173,807	979,048
New Hampshire.....	1,740,235	5,034,270	184,497	116,741	6,805,421	11,419,881	365,493	221,080
Vermont.....	20,227,465	22,453,381	2,762,656	4,713,105	35,383,187	41,288,687	3,008,540	5,119,764
Massachusetts.....	1,988,307	4,591,919		250,542	5,252,823	9,572,181	45,753	270,171
Rhode Island.....	(1)	148,195			(1)	636,281	3,840	6,751
Connecticut.....	1,950,935	3,888,405		321,263	5,449,486	8,450,194	79,155	361,886
<b>MIDDLE ATLANTIC:</b>								
New York.....	45,897,216	40,693,466	105,194,898	127,386,032	69,358,918	115,408,222	165,584,947	130,010,584
New Jersey.....	768,857	1,325,519		100,000	4,394,268	7,219,882	77,824	124,377
Pennsylvania.....	30,484,217	37,137,161	11,234,037	10,267,443	91,642,332	111,358,246	12,676,713	11,124,610
<b>EAST NORTH CENTRAL:</b>								
Ohio.....	17,491,251	8,087,631	11,860,601	18,156,527	81,060,383	87,638,930	12,473,844	19,333,528
Indiana.....	11,712,450	3,553,483	424,597	1,260,168	54,964,267	54,935,879	488,217	1,438,901
Illinois.....	24,570,976	34,055,312	4,799,235	9,055,119	71,180,938	86,548,762	4,881,153	9,378,004
Michigan.....	35,511,760	7,820,712	13,382,160	10,422,582	85,917,186	67,872,710	13,673,336	10,753,758
Wisconsin.....	103,884,684	61,813,502	148,065,648	77,748,680	131,085,193	106,552,649	148,900,910	79,384,288
<b>WEST NORTH CENTRAL:</b>								
Minnesota.....	88,842,846	41,174,469	2,735,883	3,285,019	123,551,515	82,363,315	2,811,958	3,575,642
Iowa.....	88,582,187	77,233,264	999,559	4,242,637	127,261,755	139,022,552	1,078,097	4,549,095
Missouri.....	10,261,876	1,440,616	219,112	1,072,751	52,367,019	49,949,726	378,897	1,396,190
North Dakota.....	3,053,679	463,188	(1)	225,399	20,098,118	9,642,003	(1)	296,280
South Dakota.....	9,446,608	6,172,107		420,779	23,125,255	23,573,077	14,344	557,642
Nebraska.....	23,973,162	11,726,180	77,122	313,600	49,960,093	46,244,839	140,805	578,030
Kansas.....	18,712,568	18,196,483	(1)	2,422,710	48,360,449	59,837,255	(1)	2,714,155
<b>SOUTH ATLANTIC:</b>								
Delaware.....	627,300	909,889	(1)	15,000	2,190,461	2,599,838		15,104
Maryland.....	1,118,530	2,541,716			9,858,150	11,638,378	259,386	338,453
District of Columbia.....					6,155	3,478		
Virginia.....	158,833	170,521	(1)	57,000	26,810,097	20,076,331	(1)	88,697
West Virginia.....	(1)	41,000	(1)	40,860	(1)	16,954,129	(1)	115,103
North Carolina.....					26,059,585	16,913,802	39,353	25,883
South Carolina.....					12,329,567	8,150,437	12,969	1,081
Georgia.....	78,058	48,990			27,324,305	15,160,454	399	2,236
Florida.....					1,705,274	1,386,445	322	3,751
<b>EAST SOUTH CENTRAL:</b>								
Kentucky.....	549,929	184,663		28,000	38,680,616	30,631,044	56,148	73,759
Tennessee.....		207,823		6,201	39,827,906	29,299,519	18,592	32,823
Alabama.....	(1)	17,357		10,000	(1)	19,139,321	5,528	46,374
Mississippi.....		(1)		(1)	28,730,685	(1)	13,708	(1)
<b>WEST SOUTH CENTRAL:</b>								
Arkansas.....	360,834	168,575		12,600	30,268,171	21,753,833	20,435	30,985
Louisiana.....	(1)		(1)		(1)	4,918,229	(1)	135,104
Oklahoma.....	4,110,978	2,53,200		2,66,378	31,167,220	213,940,274	18,968	2,112,669
Texas.....	2,133,590	252,714	(1)	58,290	67,126,804	48,244,206	(1)	194,423
<b>MOUNTAIN:</b>								
Montana.....	1,307,777	31,238			4,128,351	2,488,310	49,988	50,924
Idaho.....	2,387,386	432,570	(1)	194,880	5,899,521	2,852,886	(1)	391,332
Wyoming.....	783,585	(1)	(1)		1,975,707	(1)	(1)	(1)
Colorado.....	6,351,691	1,566,639	550,622	1,465,257	12,207,823	6,199,121	620,517	1,568,441
New Mexico.....	(1)				(1)	313,003	81,869	68,571
Arizona.....	1,053,869	424,083	421,043	373,752	1,379,849	803,394	481,733	407,057
Utah.....	3,722,784	2,519,214	1,060,122	1,874,172	6,230,150	5,331,336	1,144,224	2,043,430
Nevada.....	1,039,784	623,402		80,150	1,443,669	1,192,925	10,245	174,232
<b>PACIFIC:</b>								
Washington.....	11,302,591	3,198,421	422,290	1,482,127	18,064,166	10,570,327	475,260	1,633,796
Oregon.....	8,472,660	1,975,357	4,218,933	1,165,564	14,140,624	10,082,807	4,388,158	1,662,820
California.....	37,283,450	13,147,137	5,567,640	2,676,543	52,585,321	34,000,497	4,345,513	6,926,131

\* See footnote 2, Table 1 p. 344.

† Can not be shown separately, as to do so would disclose individual operations.

‡ Includes Indian Territory.

## WOOL AND MOHAIR.

**Wool production in the United States as a whole: 1909 and 1899.**—The reports of the enumerators at both the Twelfth and the Thirteenth Censuses were somewhat deficient with respect to wool production, and it has been deemed necessary to make estimates to cover this deficiency.<sup>1</sup> Table 11 shows for the United States as a whole the actual returns of the Thirteenth Census and the estimated totals for 1909 and 1899, respectively.

Table 11	Number of farms reporting.	Sheep of shearing age.	WOOL PRODUCED.		
			Fleeces.	Weight (pounds).	Value.
Sheep of shearing age on farms April 15, 1910.....	598,047	39,644,046	.....	.....	.....
Wool produced, as reported, 1909.....	458,311		35,336,830	241,882,318	\$54,964,020
On farms reporting sheep April 15, 1910.....	423,580	31,636,132	33,849,587	232,357,186	52,708,093
On other farms.....	34,731		1,487,243	9,525,132	2,255,927
Total production of wool (partly estimated):					
1909.....			42,320,580	289,419,977	65,472,328
1899.....			43,999,229	276,567,584	45,670,053
Increase, 1899 to 1909.....			-1,678,649	12,852,393	19,802,275
Percent of increase.....			-3.8	4.6	43.4

<sup>1</sup> A minus sign (—) denotes decrease.

According to the returns there were on April 15, 1910, 598,047 farms with sheep of shearing age, the number of such sheep being 39,644,000. Of these farms, however, there were only 423,580, with 31,636,000 sheep of shearing age, for which the enumerators reported the production of any wool in 1909. The number of fleeces reported for these farms was 33,850,000. The enumerators reported also the production of 1,487,000 fleeces

in 1909 on 34,731 farms with no sheep of shearing age April 15, 1910. The total number of fleeces reported was thus 35,337,000.

It is believed that a much closer approximation to the true total can be obtained by an estimate based on the assumption that the entire production of wool in 1909 bore the same relation to the entire number of sheep of shearing age on April 15, 1910, as the production of wool on those farms reporting both production and sheep bore to the number of sheep reported on such farms. On the basis of such an estimate, the total production of wool in 1909 was 42,321,000 fleeces. The production in 1899, also in part estimated at that time, was 43,999,000 fleeces, so that there was a decrease of 1,679,000 fleeces, or 3.8 per cent. Nevertheless, the estimated total weight increased from 276,568,000 pounds in 1899 to 289,420,000 in 1909, or 4.6 per cent, and the reported average weight per fleece increased from 6.3 pounds to 6.8 pounds.

The value of the wool clip increased from \$45,670,000 in 1899 to \$65,472,000 in 1909, or 43.4 per cent. The average value per pound rose from 17 to 23 cents, and the average value per fleece from \$1.04 to \$1.55.

**Wool production, by divisions and states: 1909 and 1899.**—Table 12 shows, by geographic divisions, the number of fleeces of wool actually reported and the estimated total number produced in 1909. Comparisons of the reported production and the estimated total production will show that in some geographic divisions the returns of the enumerators were much more nearly complete than in others.

Table 12	SHEEP OF SHEARING AGE APRIL 15, 1910		WOOL PRODUCED, AS REPORTED: 1909								Total production of wool, partly estimated (fleeces): 1909
			Total.	On farms reporting sheep April 15, 1910.			On farms not reporting sheep April 15, 1910.				
				Farms report- ing.	Fleeces.	Farms report- ing.	Number of sheep of shearing age April 15, 1910.	Fleeces.	Farms report- ing.	Fleeces.	
DIVISION.	Farms report- ing.	Number of sheep.	Farms report- ing.	Fleeces.	Farms report- ing.	Number of sheep of shearing age April 15, 1910.	Fleeces.	Farms report- ing.	Fleeces.		
United States.....	598,047	39,644,046	458,311	35,336,830	423,580	31,636,132	33,849,587	34,731	1,487,243	42,320,580	
New England.....	19,888	306,443	16,555	238,362	15,053	264,889	277,399	1,527	20,963	320,647	
Middle Atlantic.....	50,281	1,290,455	42,771	1,197,730	39,205	1,098,357	1,126,133	3,566	71,597	1,292,189	
East North Central.....	218,693	6,534,854	178,768	6,110,086	166,425	5,512,231	5,726,750	12,343	383,336	6,780,541	
West North Central.....	103,227	3,324,719	72,959	2,828,460	66,072	2,519,677	2,561,904	6,887	266,556	3,588,936	
South Atlantic.....	74,765	1,552,698	58,737	1,335,639	54,896	1,270,637	1,274,292	3,841	61,347	1,560,105	
East South Central.....	85,825	1,513,833	60,992	1,217,969	56,279	1,108,185	1,144,184	4,713	73,805	1,563,103	
West South Central.....	18,742	1,662,445	11,062	1,854,732	10,290	1,282,979	1,781,254	772	73,478	2,293,100	
Mountain.....	15,027	19,509,675	8,218	16,074,406	7,769	15,369,378	15,692,354	449	382,052	19,010,838	
Pacific.....	11,589	3,778,894	8,239	4,419,426	7,006	3,269,799	4,265,317	633	154,109	5,010,961	

Table 13, on the following page, shows, by divisions, the amounts and percentages of increase or

decrease in the estimated total wool production from 1899 to 1909.

<sup>1</sup> There are various reasons for this failure of the enumerators to report the entire wool production. In some cases enumerators reported the number of sheep and neglected to report the wool produced in 1909. In other cases, farmers who did not have sheep in 1910 did have some in 1909, and it can not be assumed that the wool produced by such sheep in 1909 was in all cases reported, for the enumerator, after ascertaining that the farmer had no sheep in 1910, might neglect the subsequent inquiry as to wool produced in 1909. The number of farms which reported the production of wool in 1909 but no sheep on hand on April 15, 1910, was less than one-fourth of the number which reported sheep in 1910 but no wool production in 1909. Again, particularly in the case of tenant

farms, the farmer who occupied a farm at the time of the enumeration might not have occupied the same farm the preceding year. In cases of this sort the new occupant of the farm would be fairly well able to estimate the production of crops, from the acreage of stubble, but would often hesitate to make an estimate for the wool.

In making the estimate of the total production of wool which is presented in the table no account was taken of the 1,487,000 fleeces reported as produced in 1909 on farms with no sheep of shearing age in 1910, for this figure represents the wool production of only a part of the sheep which the estimate is designed to cover. Estimates were made for the several states, and combined to make the totals for geographic divisions and the United States.

There was a decrease between 1899 and 1909 in the number of fleeces produced in each of the divisions except the West North Central and Mountain divisions. The percentage of decrease was greatest in the New England division and next greatest in the Middle Atlantic, while the absolute decrease in number of fleeces was greatest in the Middle Atlantic division. In the Mountain division, which produced nearly half of the total wool clip of 1909, the increase in that year as compared with 1899 was 4.4 per cent. The percentages of increase or decrease in the weight of wool produced differ considerably from those based on the number of fleeces. In every division except the New England and Middle Atlantic there was a considerable increase between 1899 and 1909 in the value of wool produced, the increase in average value per pound more than offsetting the decrease in the quantity produced in four of the divisions.

**Table 13**

DIVISION.	INCREASE; 1899 to 1909					
	Fleeces.		Weight.		Value.	
	Number.	Per cent.	Pounds.	Per cent.	Amount.	Per cent.
United States.....	-1,678,649	-2.8	12,852,393	4.6	\$19,802,275	43.4
New England.....	-262,194	-45.0	-1,551,190	-43.6	-168,644	-22.7
Middle Atlantic.....	-776,851	-37.5	-5,062,373	-37.1	-308,667	-11.0
East North Central.....	-563,675	-7.9	-2,799,077	-5.4	3,603,550	35.8
West North Central.....	155,522	5.5	2,770,470	10.1	2,148,014	54.0
South Atlantic.....	-234,879	-13.1	-1,215,184	-15.4	555,325	22.2
East South Central.....	-89,831	-5.4	-412,891	-6.3	351,895	27.1
West South Central.....	-175,557	-7.1	-208,018	1.9	769,388	45.2
Mountain.....	840,212	4.4	22,640,950	18.5	11,030,813	60.8
Pacific.....	-587,403	-10.5	-1,256,350	-9.4	2,020,571	42.8

<sup>1</sup> A minus sign (-) denotes decrease.

Table 14 shows for 1909 and 1899, in percentages, the distribution of the total number of fleeces produced among the geographic divisions, and also the average weight per fleece, the average value per fleece, and the average value per pound, in each division.

**Table 14**

DIVISION.	PER CENT DISTRIBUTION OF NUMBER OF FLEECES.		AVERAGE WEIGHT PER FLEECE.		AVERAGE VALUE PER FLEECE.		AVERAGE VALUE PER POUND.	
	1909	1899	1909	1899	1909	1899	1909	1899
United States.....	100.0	100.0	6.8	6.3	\$1.55	\$1.04	\$0.226	\$0.165
New England.....	0.8	1.3	6.3	6.1	1.79	1.28	0.286	0.209
Middle Atlantic.....	2.1	4.7	6.6	6.6	1.15	1.35	0.202	0.207
East North Central.....	10.0	16.7	7.2	7.0	2.11	1.45	0.295	0.207
West North Central.....	8.5	7.7	6.9	6.6	1.71	1.17	0.248	0.177
South Atlantic.....	3.7	4.1	4.3	4.4	1.25	0.89	0.203	0.203
East South Central.....	3.7	3.8	3.9	4.0	1.05	0.78	0.205	0.198
West South Central.....	5.4	5.6	5.0	4.5	1.07	0.68	0.215	0.151
Mountain.....	47.0	43.3	7.3	6.4	1.47	0.95	0.201	0.148
Pacific.....	11.8	12.7	7.2	6.7	1.35	0.84	0.187	0.127

The distribution of the number of fleeces naturally conforms approximately to the distribution of the number of sheep. In 1909 the Mountain division produced 47 per cent of the total estimated number of fleeces; the East North Central 16 per cent; and the Pacific 11.8 per cent. These three divisions together contributed substantially three-fourths of the total number.

The average weight of fleeces in 1909 was higher in the three geographic divisions just named than in any of the other divisions, and decidedly lower in the three

southern divisions than elsewhere. The extreme range was from 7.3 pounds per fleece in the Mountain division to 3.9 pounds in the East South Central. The average weight was greater in 1909 than in 1899 in six of the divisions; in the South Atlantic and East South Central divisions it was slightly lower; and in the Middle Atlantic there was no change.

The average value of wool per pound in 1909, as reported by the producers, was lowest (18.7 cents) in the Pacific division. The maximum value (29.3 cents) is shown for the East North Central and South Atlantic divisions. The average value per pound increased materially in each of the geographic divisions between 1899 and 1909. In 1909 the average value per fleece was lowest (\$1.05) in the East South Central division and highest (\$2.11) in the East North Central.

Table 15, which appears on the following page, shows that in 1909 the leading states in the production of wool were Wyoming, Montana, New Mexico, Ohio, California, Idaho, Oregon, and Texas in the order named, each of these states having reported more than 2,000,000 fleeces.

**Mohair and goat hair: 1909 and 1899.**—Table 15 shows also the reported number of fleeces, and the weight and value of mohair and goat hair produced in 1909 and 1899, respectively, by geographic divisions and states.

The reports for the production of mohair are presumably about as defective as those for wool. The agricultural schedules, however, on account of the minor importance of goats, did not distinguish them by age, and it is scarcely possible to approximate the total production of mohair from the number of goats and kids of all ages taken together. In many sections of the country the number of goats on farms is insignificant and a considerable proportion of those which are kept are not shorn for mohair; consequently the production of mohair in several of the geographic divisions is of little significance.

The total reported production of mohair in 1909 was 1,683,000 fleeces, or more than three and one-half times as many as were reported in 1899. The reported weight of the mohair was 3,779,000 pounds, and the value, \$902,000. It is noteworthy that the average value of mohair per pound was somewhat lower in 1909 than in 1899, so that, although the average weight per fleece increased slightly during the decade, the average value per fleece decreased.

More than three-fifths of the mohair reported in 1909 was produced in the West South Central division, and nearly all of the remainder in the Mountain and Pacific divisions. The number of fleeces produced in the West South Central division was over five times as great in 1909 as in 1899, and in the Mountain division over three times as great. Very high relative increases also appear in some of the divisions where the number of fleeces produced is still very small.

## PRODUCTION OF WOOL AND MOHAIR, BY DIVISIONS AND STATES.

Table 15 DIVISION OR STATE.	SHEEP OF SHEARING AGE.		WOOL PRODUCED (PARTLY ESTIMATED).						MOHAIR PRODUCED.					
	April 15, 1910	June 1, 1900	Fleeces.		Weight (pounds).		Value.		Fleeces.		Weight (pounds).		Value.	
			1909	1899	1909	1899	1909	1899	1909	1899	1909	1899	1909	1899
<b>United States.</b>	<b>39,844,046</b>	<b>38,582,987</b>	<b>42,320,580</b>	<b>43,899,289</b>	<b>289,419,977</b>	<b>276,567,554</b>	<b>365,472,328</b>	<b>\$45,670,053</b>	<b>1,682,912</b>	<b>454,932</b>	<b>3,778,706</b>	<b>961,328</b>	<b>\$901,587</b>	<b>\$267,564</b>
<b>GEOGRAPHIC DIVS.:</b>														
Neopacific.....	306,443	563,217	320,647	582,841	2,006,040	3,557,230	574,577	745,221	1,298	750	4,445	1,749	1,275	611
New England.....	1,269,455	1,970,362	1,292,189	2,090,040	8,520,646	13,553,019	2,492,357	2,800,924	2,668	113	8,797	1,103	2,834	397
Middle Atlantic.....	6,534,854	6,990,194	6,780,541	7,364,216	48,670,564	51,469,641	14,276,742	10,673,192	9,825	2,094	35,044	6,476	9,680	1,709
East North Central.....	3,524,749	3,155,531	3,588,936	3,403,407	24,709,945	22,439,475	6,127,159	3,979,145	38,173	19,230	116,087	51,619	26,806	15,518
South Atlantic.....	1,532,698	1,706,199	1,560,106	1,794,984	6,677,028	7,892,212	1,955,262	1,599,937	7,172	6,672	21,009	1,718	6,980	501
East South Central.....	1,513,833	1,489,730	1,563,103	1,652,934	6,123,485	6,536,376	1,648,579	1,295,684	5,223	1,062	13,241	2,747	3,685	815
West South Central.....	1,662,445	1,839,118	2,293,160	2,468,717	11,359,271	11,151,253	2,442,998	1,682,610	1,084,893	194,030	2,016,736	278,411	472,315	78,370
Mountain.....	19,509,675	17,984,275	19,910,938	19,064,726	145,311,085	122,670,135	29,211,379	18,171,536	284,754	81,297	738,226	175,955	184,305	48,818
Pacific.....	3,778,894	4,244,345	5,010,961	5,598,364	36,041,913	37,298,243	6,743,375	4,722,804	248,876	154,570	825,151	441,550	193,717	121,125
<b>NEW ENGLAND:</b>														
Maine.....	149,934	252,213	157,455	258,300	947,622	1,478,018	266,080	318,585	168	24	639	105	207	21
New Hampshire.....	31,201	66,318	32,996	67,438	209,518	409,465	57,460	84,103	180	10	629	44	191	13
Vermont.....	84,360	182,167	90,716	191,884	625,722	1,334,253	192,002	268,967	97	1	471	5	136	2
Massachusetts.....	22,699	33,869	21,667	35,067	127,897	195,876	33,670	40,291	536	529	1,665	1,120	509	396
Rhode Island.....	4,206	6,626	4,353	6,828	24,009	35,180	6,835	8,711	1	3	2	10	1	2
Connecticut.....	14,043	23,021	13,460	23,324	71,272	104,438	18,530	22,534	316	183	1,009	465	231	177
<b>MIDDLE ATLANTIC:</b>														
New York.....	606,119	984,516	616,247	1,035,428	4,235,707	6,674,165	1,163,846	1,387,949	1,598	134	5,412	383	1,742	135
New Jersey.....	16,795	26,363	16,140	28,353	94,726	146,628	22,482	31,266	53		187		56	
Pennsylvania.....	637,541	959,833	669,802	1,002,259	4,190,213	6,732,226	1,305,929	1,381,689	1,917	279	3,198	720	1,036	242
<b>E. NORTH CENTRAL:</b>														
Ohio.....	2,809,163	2,648,250	3,073,450	2,897,604	21,685,258	20,350,721	6,749,095	4,299,025	1,624	95	5,840	469	1,684	112
Indiana.....	812,427	1,010,648	784,432	1,052,735	5,360,041	6,891,601	1,532,914	1,491,743	1,421	276	4,472	867	1,194	282
Illinois.....	668,484	629,150	682,337	674,625	4,971,380	4,709,742	1,290,218	966,746	4,117	953	14,922	2,793	4,008	751
Michigan.....	1,545,241	1,625,930	1,595,969	1,734,228	11,965,405	12,202,844	3,428,320	4,434,396	1,559	997	5,677	1,833	1,712	419
Wisconsin.....	628,539	986,212	644,363	1,005,006	4,688,477	7,234,733	1,267,285	1,461,279	1,104	183	4,133	514	1,082	145
<b>W. NORTH CENTRAL:</b>														
Minnesota.....	452,071	359,328	453,583	376,009	3,259,282	2,612,737	816,866	490,305	1,952	350	6,929	556	1,967	180
Iowa.....	769,917	667,868	729,484	715,334	5,484,702	5,015,965	1,413,711	992,334	8,703	10,760	29,206	28,080	7,281	8,407
Missouri.....	1,116,189	663,703	1,138,502	679,442	7,343,222	4,145,137	1,947,060	822,871	24,061	3,501	66,684	10,203	14,338	2,798
North Dakota.....	241,392	451,437	261,985	469,831	1,676,893	3,030,478	381,722	303,744	118	329	407	1,220	133	448
South Dakota.....	501,041	507,338	529,088	520,219	3,598,246	3,246,945	847,012	535,652	399	696	1,538	1,693	390	683
Nebraska.....	240,116	335,960	310,762	410,975	2,177,355	2,788,839	464,183	426,344	629	1,096	2,425	5,801	602	1,725
Kansas.....	204,023	179,907	165,532	231,597	1,170,308	1,599,374	256,608	247,895	231	1,574	8,805	4,066	2,695	1,077
<b>SOUTH ATLANTIC:</b>														
Delaware.....	4,415	6,964	3,150	7,021	19,059	32,350	5,125	6,618	70		210		52	
Maryland.....	126,251	111,520	122,071	113,598	705,320	632,119	199,909	142,906	465		1,570		474	
<b>District of Columbia:</b>														
Virginia.....	438,719	392,125	431,694	399,113	1,937,252	2,020,737	564,586	409,602	2,614	139	8,047	343	2,913	113
West Virginia.....	566,952	572,739	558,065	587,381	2,719,684	3,123,455	839,555	636,012	3,248	73	8,991	140	2,699	43
North Carolina.....	140,070	208,812	157,811	240,189	493,882	797,176	130,724	150,510	335	127	1,020	416	469	96
South Carolina.....	27,926	52,436	28,167	55,233	86,819	175,290	20,432	31,537	196	30	486	73	128	26
Georgia.....	153,250	258,894	165,448	282,628	427,943	777,189	117,871	155,811	198	299	320	726	177	215
Florida.....	95,115	102,709	93,669	109,821	287,069	333,898	77,260	66,881	46	8	165	20	68	8
<b>E. SOUTH CENTRAL:</b>														
Kentucky.....	778,154	716,158	793,537	755,172	3,448,848	3,617,497	974,347	737,632	2,967	168	7,702	524	2,083	163
Tennessee.....	470,337	307,804	495,979	346,715	1,854,172	1,395,296	466,459	263,351	1,342	572	3,428	1,486	1,633	428
Alabama.....	109,112	229,208	120,039	299,118	339,884	744,274	85,677	150,943	383	237	808	469	238	140
Mississippi.....	156,230	236,470	153,548	251,929	480,581	770,310	122,096	144,758	531	85	1,303	268	356	84
<b>W. SOUTH CENTRAL:</b>														
Arkansas.....	96,517	168,761	101,318	194,726	376,877	636,474	86,945	118,922	3,118	700	7,265	1,763	1,516	487
Louisiana.....	139,308	169,234	137,985	171,269	442,865	547,641	99,124	90,317	538	118	1,444	385	226	92
Oklahoma.....	48,896	1,61,193	46,492	1,64,187	281,750	1,329,136	55,187	145,249	3,774	1,532	10,503	1,453	2,354	1,313
Texas.....	1,377,724	1,439,940	2,007,365	2,038,535	10,257,779	9,638,002	2,202,342	1,828,122	1,077,463	199,530	1,997,924	274,810	468,219	77,478
<b>MOUNTAIN:</b>														
Montana.....	4,959,835	4,215,214	4,724,747	4,348,568	37,606,031	30,437,829	8,223,754	5,136,658	2,357	1,254	8,328	2,750	2,056	824
Idaho.....	2,110,330	1,965,467	2,250,570	2,183,100	16,377,265	15,474,447	3,345,037	2,210,790	2,835	3,473	16,412	11,688	4,384	3,959
Wyoming.....	4,826,565	3,327,185	5,115,789	3,950,571	42,827,866	27,758,306	8,912,068	4,036,227	2,729	2,427	14,238	8,100	3,668	2,412
Colorado.....	1,305,696	1,332,823	1,253,680	1,300,400	7,563,219	8,543,937	1,458,003	1,115,331	2,547	814	7,891	1,843	2,024	550
New Mexico.....	2,894,984	3,333,743	3,092,784	3,650,417	16,994,017	15,209,199	3,131,971	155,080	55,763	394,895	13,545	96,158	29,917	
Arizona.....	916,600	668,438	918,690	791,361	5,503,800	3,325,937	983,761	426,318	103,226	13,874	246,022	27,030	63,120	3,326
Utah.....	1,670,890	2,553,134	1,663,074	2,676,763	12,102,220	17,050,977	2,093,827	2,599,638	13,040	187	44,708	409	11,240	128
Nevada.....	824,875	568,231	801,598	624,456	6,273,667	4,842,500	1,062,418	692,403	2,070	3,503	5,719	10,590	1,155	3,672
<b>PACIFIC:</b>														
Washington.....	295,264	558,022	322,444	576,555	3,135,348	5,268,088	536,708	618,975	5,154	1,335	19,120	4,000	4,666	1,097
Oregon.....	1,958,342	1,961,355	2,125,717	2,139,504	18,841,862	18,349,660	3,782,721	2,396,741	141,588	79,258	523,435	267,780	128,230	74,363
California.....	1,525,288	1,724,968	2,662,809	2,882,305	14,004,703	13,680,195	2,423,946	1,707,088	102,134	73,977	282,596	169,770	60,821	45,665

\* Includes Indian Territory.

## POULTRY AND EGGS.

**United States as a whole: 1909 and 1899.**—As in the case of wool, the reports of the enumerators as to the production of poultry and eggs in 1909 were somewhat incomplete, and it was deemed desirable to make estimates to cover this deficiency, particularly in order to make the data comparable with those for 1899, which included estimates. Table 16 shows the actual returns of the quantity and value of eggs and of poultry produced in 1909, with estimated totals for that year and for 1899. No estimates have been made regarding the sale of eggs and poultry in 1909, although this was done at the preceding census, and it is probable that the reported figures, which are also given in the table, are less than the true totals, although perhaps not so deficient as the reported production.

Table 16	Number of farms reporting.	Number of fowls on hand.	PRODUCT.	
			Quantity.	Value.
Fowlson farms April 15, 1910.	5,585,032	295,880,190		
On farms reporting eggs produced in 1909.	4,833,759	273,255,924		
On other farms.	751,273	22,624,266		
Eggs produced, as reported, 1909.	4,883,507		Dozens.	
Total production of eggs (partly estimated):			1,457,385,772	\$281,157,980
1909.			1,591,311,371	306,688,960
1899.			1,293,662,433	144,240,541
Increase, 1899 to 1909.			297,648,938	162,448,419
Per cent of increase.			23.0	112.6
Eggssold, as reported, 1909.	3,860,067		926,465,787	180,768,249
Fowls on farms April 15, 1910:				
On farms reporting poultry raised in 1909.	4,761,774	270,540,564		
On other farms.	823,258	25,339,626		
Poultry raised, as reported, 1909.	4,832,496		No. of fowls.	
Total poultry raised (partly estimated):			445,650,124	185,390,856
1909.			488,468,354	202,506,272
1899.			136,830,152	36,830,152
Increase, 1899 to 1909.			351,638,202	65,676,120
Per cent of increase.			48.0	180.0
Fowls sold, as reported, 1909.	3,038,932		153,600,169	75,273,524

The total number of farms which reported fowls on hand April 15, 1910, was 5,585,032, and the number of fowls, 295,880,000. Of these farms, however, the enumerators reported the production of eggs for only

4,833,759, the number of fowls on such farms in 1910 being 273,256,000, or about 8 per cent less than the total. The number of eggs reported (including that on the small number of farms, about 50,000, which reported eggs produced in 1909 but no fowls on hand in 1910) was 1,457,386,000 dozens. These returns may somewhat understate the production of eggs even on the farms to which they relate, since farmers seldom keep accurate records of egg production and are apt to underestimate it, particularly by underestimating the home consumption; but there is no means of judging the extent of the deficiency due to this cause. An estimate may, however, be made for farms which reported no eggs produced in 1909, although they had fowls in 1910.<sup>1</sup> In this way a total of 1,591,311,000 dozens is obtained as the approximate production of eggs in the country in 1909. The production of 1899 (also partly estimated) was 1,293,662,000 dozens, the increase in 1909 as compared with 1899 being 23 per cent.

The value of eggs produced in 1909 (including estimates) was \$306,689,000, or considerably more than twice as much as that for 1899. The average value per dozen, as reported by the farmers, increased from \$0.111 to \$0.193.

About three-fourths of the farmers who reported the production of eggs in 1909 reported also that they sold eggs during that year. The number sold by them, as reported, was 926,466,000 dozens.

<sup>1</sup> The reasons for the incompleteness of the reports of poultry and eggs produced are similar to those in the case of wool, set forth in a preceding footnote. The method of estimate used for poultry and eggs is slightly different from that used in the case of wool, and theoretically somewhat less correct. Instead of calculating the total production by applying to the total number of fowls the ratio between (1) the number of fowls on hand April 15, 1910, on farms reporting also the production of fowls or eggs in 1909, and (2) the total reported production of fowls or of eggs in 1909 on the same farms, it was calculated from the ratio between (1) the number of fowls on hand April 15, 1910, on farms reporting also the production of fowls or eggs in 1909, which includes a small production on farms not reporting fowls on hand in 1910. The quantity produced on farms of the latter class was so insignificant as not to justify the additional labor of a separate tabulation.

Table 17	FOWLS ON HAND APRIL 15, 1910						EGGS PRODUCED, AS REPORTED: 1909		FOWLS RAISED, AS REPORTED: 1909		Total number of fowls raised, partly estimated: 1909		
	DIVISION.	Total.		On farms reporting eggs produced in 1909.		On farms reporting fowls raised in 1909.		Farms reporting.	Quantity (dozens).	Total production of eggs, partly estimated (dozens): 1909.		Farms reporting.	Number.
		Farms reporting.	Number.	Farms reporting.	Number.	Farms reporting.	Number.						
United States .....	5,585,032	295,880,190	4,833,759	273,255,924	4,761,774	270,540,564	4,883,507	1,457,385,772	1,591,311,371	4,832,496	445,650,124	488,468,354	
New England .....	150,643	7,078,636	135,310	6,629,735	127,114	6,439,950	142,165	51,487,518	55,078,175	135,278	10,143,637	11,139,439	
Middle Atlantic .....	428,443	26,004,625	390,758	24,546,744	379,783	24,124,144	396,012	152,222,031	161,921,598	386,012	33,089,001	36,313,631	
East North Central .....	1,045,736	71,941,382	959,187	68,126,004	941,238	67,634,687	966,240	370,965,805	392,304,118	950,627	96,463,941	102,496,192	
West North Central .....	1,007,771	88,684,488	885,546	82,504,127	874,560	82,201,207	891,590	413,838,848	446,336,192	882,408	114,871,313	123,583,667	
South Atlantic .....	971,758	27,838,263	843,964	25,771,775	840,235	25,512,240	850,796	125,634,154	136,073,767	854,310	64,779,063	70,792,154	
East South Central .....	897,145	26,918,569	769,182	24,635,558	760,641	24,391,225	769,883	117,141,106	129,133,681	771,065	55,402,522	61,199,857	
West South Central .....	808,267	31,501,899	645,347	27,476,494	637,335	27,089,614	651,667	136,787,145	165,557,865	647,003	59,796,202	59,068,127	
Mountain .....	126,986	5,708,606	92,715	4,626,338	88,163	4,492,690	94,781	28,518,888	35,504,102	91,165	6,912,613	8,799,190	
Pacific .....	148,283	10,183,722	118,725	8,991,151	112,305	8,655,407	120,363	60,790,277	69,401,873	114,627	12,592,432	14,808,717	

On the basis of similar estimates for farms with incomplete reports, the total number of fowls raised in 1909 (including those sold, killed, or on hand April 15, 1910) was 488,468,000 and their value \$202,506,000. The census of 1900 did not call for the number of fowls raised in 1899, but the value of fowls raised in that year (partly estimated) was \$136,830,000, the increase between 1899 and 1909 being 48 per cent. The number of fowls reported sold in 1909 was about one-third of the number raised.

**Divisions and states: 1909 and 1899.**—Table 17, on the preceding page, shows, by geographic divisions, the production of fowls and of eggs as reported for 1909, with estimates of the total production.

There is a decidedly greater difference in the Mountain, West South Central, and Pacific divisions than elsewhere between the reported production of eggs and fowls and the estimated total production.

Table 21 shows, by divisions and states, the total number and value of eggs produced and the total value of fowls raised (including estimates) in 1909 and 1899, respectively, and also the sales as reported.

The relative importance of the several geographic divisions in the production and sale of eggs and of fowls may be more conveniently judged by Table 18, which shows the percentages of the totals which were reported from each division.

Table 18	PER CENT OF UNITED STATES TOTALS.										
	DIVISION.	Eggs produced.					Quantity of eggs sold: 1909	Fowls raised.			Number of fowls sold: 1909
		Quantity.		Value.				Number: 1909	Value.		
		1909	1899	1909	1899	1909			1899		
										1909	
United States.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
New England.....	3.5	3.9	4.9	6.2	4.0	2.3	3.6	3.7	3.4	3.4	
Middle Atlantic.....	10.2	10.9	12.2	13.6	11.9	7.4	10.6	11.4	10.7	10.7	
East North Central.....	24.7	27.0	24.5	26.1	27.7	21.0	23.7	26.5	25.1	25.1	
West North Central.....	28.0	28.4	25.3	25.4	29.8	25.4	25.8	24.5	23.8	23.8	
South Atlantic.....	8.6	8.1	8.7	8.1	7.4	14.5	12.1	11.4	13.5	13.5	
East South Central.....	8.1	8.1	7.3	7.1	6.8	12.5	9.4	10.2	10.0	10.0	
West South Central.....	10.4	9.1	8.6	7.1	6.5	12.1	8.7	7.9	8.3	8.3	
Mountain.....	2.2	1.4	2.8	2.1	1.5	1.8	2.2	1.4	1.4	1.4	
Pacific.....	4.4	3.1	5.7	4.4	4.5	3.0	3.8	3.0	3.8	3.8	

The distribution of the production of eggs and of poultry among the divisions naturally conforms more or less closely to the distribution of the number of fowls on hand. In 1909 the West North Central division produced 28 per cent of the eggs and 25.4 per cent of the fowls, the corresponding percentages for the East North Central division being 24.7 and 21, respectively. The West South Central division ranked third in the production of eggs, but the South Atlantic ranked third in the number of fowls raised.

In some of the divisions a considerably larger proportion of the eggs produced and of the fowls raised

are sold than in other divisions, so that certain differences appear between the percentages showing the distribution of sales and those showing the distribution of production.

Table 19 shows, by geographic divisions, the increase in the quantity and value of eggs produced, and in the value of fowls raised, between 1899 and 1909.

DIVISION.	INCREASE: 1899 TO 1909					
	Eggs produced.			Fowls raised.		
	Quantity (dozens).	Per cent.	Value.	Per cent.	Value.	Per cent.
United States.....	297,648,938	23.0	\$162,448,419	112.6	\$65,676,120	48.0
New England.....	4,391,595	8.7	6,192,593	69.1	2,315,087	45.9
Middle Atlantic.....	20,844,178	14.8	17,558,461	90.9	5,948,589	38.2
East North Central.....	42,784,628	12.2	37,614,364	100.0	11,694,914	32.2
West North Central.....	79,191,972	21.6	40,908,806	111.8	18,787,022	56.0
South Atlantic.....	30,723,771	29.2	14,538,386	127.1	8,860,158	57.0
East South Central.....	24,267,321	23.1	12,069,679	116.9	5,225,243	37.6
West South Central.....	48,327,365	41.2	16,203,524	159.0	6,814,959	62.7
Mountain.....	17,345,585	65.5	5,401,807	187.9	2,486,450	131.8
Pacific.....	29,774,573	75.1	11,200,859	178.2	3,543,686	85.0

The absolute increase, both in the quantity of eggs produced and in the value of fowls raised, was greatest in the West North Central division, but the percentages of increase were higher in some of the divisions of the South and the West.

Table 20 shows, by geographic divisions, the average value of eggs and of fowls produced and sold, respectively, in 1909 and of eggs produced in 1899.

DIVISION.	AVERAGE VALUE.				
	Eggs per dozen.		Fowls.		
	Produced.		Sold:	Raised:	Sold:
	1909	1899	1909	1909	1909
United States.....	\$0.193	\$0.111	\$0.195	\$0.415	\$0.490
New England.....	0.275	0.177	0.278	0.661	0.709
Middle Atlantic.....	0.232	0.139	0.232	0.593	0.642
East North Central.....	0.192	0.108	0.192	0.468	0.522
West North Central.....	0.174	0.100	0.173	0.423	0.490
South Atlantic.....	0.195	0.111	0.197	0.345	0.403
East South Central.....	0.173	0.098	0.172	0.313	0.373
West South Central.....	0.159	0.087	0.161	0.299	0.345
Mountain.....	0.245	0.164	0.245	0.497	0.561
Pacific.....	0.252	0.159	0.253	0.521	0.560

The average value of eggs produced in 1909, as reported by the farmers, ranged from 27.5 cents per dozen in the New England division to 15.9 cents in the West South Central. In most divisions the average value of eggs sold was reported at a slightly higher figure than that of eggs produced. In every division the average value of eggs produced was very much higher in 1909 than in 1899. The average value of all fowls raised in 1909 ranged from 66.1 cents each in the New England division to 29.9 cents in the West South Central, while the value of those sold ranged from 70.9 cents to 34.5 cents.

## PRODUCTION AND SALES OF EGGS AND POULTRY, BY DIVISIONS AND STATES.

Table 21	EGGS PRODUCED (PARTLY ESTIMATED).				FOWLS RAISED (PARTLY ESTIMATED).			EGGSSOLD,ASREPORTED.		FOWLS SOLD,AS REPORTED.	
	Quantity (dozens).		Value.		Number.	Value.		Quantity (dozens).	Value.	Number.	Value.
	1909	1899	1909	1899	1909	1909	1899	1909	1909	1909	1909
United States .....	1,591,311,371	1,293,662,433	\$306,688,960	\$144,240,541	488,468,351	\$202,506,272	\$136,830,152	828,465,787	\$180,768,249	153,600,169	\$75,273,524
GEOGRAPHIC DIVISIONS:											
New England .....	55,078,175	50,686,580	15,155,991	8,963,398	11,139,439	7,361,038	5,045,951	37,025,214	10,288,343	5,156,345	3,657,885
Middle Atlantic .....	161,921,598	141,677,420	37,507,552	19,649,091	36,313,031	21,527,077	15,578,488	110,069,444	25,491,087	16,392,968	10,529,042
East North Central .....	392,304,118	349,519,490	75,237,900	37,623,596	102,496,192	47,972,887	36,277,973	256,349,132	49,181,738	38,497,611	20,104,214
West North Central .....	446,336,192	367,144,220	77,493,327	36,584,521	123,853,667	52,337,180	33,550,148	275,973,530	47,835,052	36,611,202	17,957,269
South Atlantic .....	136,073,767	105,349,996	26,545,679	11,687,293	70,792,154	24,413,993	15,553,805	88,946,260	13,615,214	20,774,474	8,377,959
East South Central .....	129,133,681	104,866,360	22,283,364	10,273,685	61,199,837	19,128,878	13,963,433	62,069,552	10,808,834	15,338,379	5,717,349
West South Central .....	165,557,865	117,230,500	26,395,765	10,192,241	59,066,127	17,681,375	10,866,416	60,044,751	9,654,886	12,727,015	4,389,435
Mountain .....	35,504,102	18,160,567	8,582,548	2,980,741	8,799,190	4,373,143	1,886,093	13,654,183	3,341,009	2,215,484	1,243,964
Pacific .....	69,401,873	39,627,300	17,486,834	6,285,975	14,808,717	7,710,731	4,167,045	11,673,721	10,551,486	5,886,691	3,296,408
NEW ENGLAND:											
Maine .....	14,935,959	13,304,150	3,792,335	2,038,225	2,601,733	1,454,815	955,468	10,340,134	2,639,117	1,213,689	727,748
New Hampshire .....	7,499,470	7,005,180	2,043,338	1,213,703	1,394,654	879,014	610,696	4,948,014	1,373,432	623,092	411,441
Vermont .....	7,037,082	6,271,880	1,715,221	959,965	1,282,524	759,362	689,109	4,451,120	1,092,578	579,614	387,410
Massachusetts .....	14,145,240	12,928,630	4,280,445	2,571,341	3,212,339	2,411,078	1,407,681	9,614,504	2,914,755	1,596,472	1,287,829
Rhode Island .....	2,804,081	3,217,310	848,527	656,845	602,335	482,015	398,790	2,246,679	609,984	285,413	245,325
Connecticut .....	8,566,343	7,959,430	2,476,125	1,523,319	2,045,854	1,374,754	984,207	5,424,763	1,578,477	848,065	598,132
MIDDLE ATLANTIC:											
New York .....	72,349,034	62,096,690	17,101,732	8,630,062	13,980,792	8,403,162	6,161,429	48,074,481	11,394,511	5,806,367	3,766,603
New Jersey .....	14,842,859	11,942,550	3,903,065	1,938,304	4,847,288	3,846,029	2,265,816	9,578,886	2,535,668	2,540,290	2,130,591
Pennsylvania .....	74,729,705	67,038,180	16,502,815	9,080,725	17,484,951	9,277,886	7,151,243	52,446,077	11,560,908	8,046,491	4,631,848
EAST NORTH CENTRAL:											
Ohio .....	100,889,599	91,766,630	19,748,658	10,280,769	23,433,005	10,997,633	8,847,009	69,575,637	13,608,860	9,123,564	4,754,091
Indiana .....	80,755,437	70,782,200	15,287,205	7,441,944	23,067,814	10,726,337	8,172,993	53,899,416	10,213,390	8,127,981	4,323,074
Illinois .....	100,119,418	86,402,670	18,940,454	8,942,401	32,352,888	15,404,028	11,307,599	62,036,587	11,745,315	12,096,388	6,335,037
Michigan .....	59,915,851	54,318,410	11,734,799	6,104,462	12,877,537	6,191,440	4,551,945	38,568,386	7,547,202	5,289,794	2,746,226
Wisconsin .....	50,623,813	46,249,580	9,526,784	4,854,020	10,764,948	4,653,649	3,398,427	32,268,836	6,066,971	3,859,884	1,945,786
WEST NORTH CENTRAL:											
Minnesota .....	53,807,974	43,208,130	9,767,410	4,437,148	11,862,787	4,714,919	2,927,717	34,347,776	6,212,270	3,704,431	1,796,502
Iowa .....	109,760,487	99,621,920	19,235,600	10,016,707	29,900,147	13,914,985	9,491,819	70,835,349	12,387,353	10,388,967	5,207,079
Missouri .....	111,816,693	85,293,290	19,345,602	8,315,371	31,913,210	14,572,585	9,525,252	71,886,145	12,452,508	10,666,882	5,833,472
North Dakota .....	17,294,322	7,438,400	3,045,687	782,790	4,043,481	1,530,402	594,751	6,464,074	1,142,043	588,492	283,972
South Dakota .....	25,067,489	17,349,750	4,244,291	1,727,392	6,186,427	2,355,567	1,020,382	14,226,323	2,371,555	1,314,046	570,844
Nebraska .....	46,929,923	41,132,140	7,990,377	4,068,002	15,274,150	5,866,508	3,499,044	25,380,697	4,322,484	3,750,940	1,588,357
Kansas .....	81,659,304	73,190,590	13,864,360	7,237,111	24,583,465	9,382,214	6,491,183	52,833,166	8,946,839	6,207,442	2,677,043
SOUTH ATLANTIC:											
Delaware .....	4,448,482	3,571,870	968,970	488,401	1,562,370	838,533	596,391	3,346,683	729,305	623,200	355,215
Maryland .....	15,533,732	12,511,450	3,235,759	1,572,682	5,949,459	3,011,382	2,077,490	10,526,537	2,191,615	2,273,501	1,313,301
District of Columbia .....	51,945	42,580	15,277	6,492	15,614	9,102	5,480	16,660	5,709	5,152	2,341
Virginia .....	35,100,693	25,540,460	6,882,276	2,836,899	16,290,508	6,145,236	3,744,654	21,113,160	4,180,530	6,059,990	2,666,705
West Virginia .....	19,159,008	17,242,400	3,672,193	1,877,675	5,543,096	2,238,066	1,843,752	11,762,888	2,250,362	2,009,220	900,436
North Carolina .....	23,556,124	17,704,020	4,256,769	1,810,116	15,227,685	4,496,767	2,689,970	10,471,857	1,908,721	4,617,041	1,430,191
South Carolina .....	11,049,468	9,007,700	2,162,797	925,966	8,811,348	2,548,179	1,539,755	2,766,465	547,894	1,554,709	487,066
Georgia .....	20,793,359	15,505,330	3,971,760	1,615,538	14,930,716	4,119,870	2,481,610	6,135,393	1,177,450	2,904,115	848,104
Florida .....	6,380,956	4,214,186	1,379,878	553,524	2,461,358	1,006,198	574,703	2,866,437	623,628	727,546	314,599
EAST SOUTH CENTRAL:											
Kentucky .....	44,313,377	35,337,340	7,605,116	3,460,607	19,247,287	6,937,008	4,970,063	24,744,940	4,250,081	5,636,361	2,272,477
Tennessee .....	42,043,104	31,807,990	7,258,146	3,115,335	17,415,208	5,774,175	4,282,740	24,597,449	4,248,340	5,330,639	2,075,792
Alabama .....	22,234,713	18,778,960	3,702,445	1,825,978	12,467,486	3,168,471	2,263,346	7,663,603	1,363,303	2,676,890	1,075,939
Mississippi .....	20,542,487	18,942,070	3,657,657	1,871,765	12,069,856	3,249,224	2,387,484	5,691,560	1,007,110	2,294,489	653,541
WEST SOUTH CENTRAL:											
Arkansas .....	27,054,674	25,094,860	4,459,272	2,328,509	10,808,758	2,808,562	2,179,634	10,814,594	1,735,524	2,644,601	688,528
Louisiana .....	14,657,544	12,820,290	2,448,502	1,281,713	6,337,010	1,943,515	1,425,116	5,622,297	920,544	1,058,236	333,820
Oklahoma .....	46,000,600	20,674,540	7,544,445	1,909,832	16,264,003	5,588,133	1,950,304	18,860,825	3,131,023	3,562,200	1,324,940
Texas .....	77,845,047	58,040,810	11,943,546	4,672,187	25,656,356	7,481,163	5,311,362	24,747,035	3,867,795	5,761,978	2,042,147
MOUNTAIN:											
Montana .....	6,064,051	3,002,890	1,610,766	631,143	1,432,741	797,450	398,487	2,116,624	584,953	371,847	237,050
Idaho .....	6,492,270	2,879,590	1,548,331	465,504	1,633,272	800,700	282,468	2,370,346	573,098	370,776	208,134
Wyoming .....	2,091,716	937,570	501,356	163,517	519,169	260,538	79,488	542,643	133,157	106,375	59,825
Colorado .....	10,652,396	5,704,290	2,444,066	852,978	2,706,945	1,393,039	587,536	4,260,285	981,551	670,128	384,812
New Mexico .....	2,976,233	830,890	683,441	157,175	932,045	367,907	90,152	882,856	212,679	194,917	80,848
Arizona .....	1,744,081	819,507	530,746	163,274	392,286	225,640	114,884	820,377	220,488	134,098	85,277
Utah .....	4,672,866	3,387,340	999,959	424,628	971,917	412,359	262,503	2,315,120	499,988	298,015	140,788
Nevada .....	870,489	589,490	263,813	122,522	190,815	115,310	71,175	345,962	105,395	69,828	47,220
PACIFIC:											
Washington .....	16,472,575	7,473,790	4,311,291	1,259,225	3,722,257	1,873,608	848,291	8,572,408	2,302,128	1,250,839	693,092
Oregon .....	11,966,903	7,709,970	2,912,849	1,162,071	2,655,492	1,416,608	826,687	6,233,626	1,531,932	957,644	584,460
California .....	41,022,395	24,443,540	10,262,694	3,864,679	8,430,968	4,420,515	2,492,067	26,867,687	6,717,426	3,678,208	2,018,805

## HONEY AND WAX.

United States and states: 1909 and 1899.—Table 22 shows, for each division and state, the quantity of honey and of wax produced, respectively, and

their combined value, in 1909 and 1899. The figures are as reported by the enumerators, and probably somewhat understate the true production.

Table 22	HONEY PRODUCED (POUNDS).		WAX PRODUCED (POUNDS).		VALUE OF HONEY AND WAX.		DIVISION OR STATE.	HONEY PRODUCED (POUNDS).		WAX PRODUCED (POUNDS).		VALUE OF HONEY AND WAX.	
	1909	1899	1909	1899	1909	1899		1909	1899	1909	1899	1909	1899
<b>United States</b>	54,814,890	61,099,290	904,867	1,763,595	\$5,992,083	\$6,656,611							
<b>GEOGRAPHIC DIVS.</b>													
New England.....	594,117	732,078	8,251	29,802	108,523	119,581	W. No. CENTRAL—						
Middle Atlantic.....	5,184,165	6,122,949	66,393	153,017	675,363	681,566	Continued—						
E. North Central.....	7,778,545	11,399,724	132,733	221,220	975,804	1,355,585	Nebraska.....	527,868	866,200	3,336	16,090	73,398	105,676
W. North Central.....	6,744,648	8,655,778	93,639	175,384	864,807	1,037,616	Kansas.....	669,785	1,187,569	4,332	19,236	84,437	131,873
South Atlantic.....	7,362,640	9,468,843	172,999	379,192	925,829	1,029,233	South ATLANTIC:						
E. South Central.....	4,477,759	8,065,170	111,369	343,990	550,133	861,123	Delaware.....	62,777	101,410	2,756	1,960	8,235	10,536
W. South Central.....	4,486,980	6,784,654	92,177	245,000	433,773	692,018	Maryland.....	306,307	306,788	4,358	7,860	39,244	38,827
Mountain.....	6,577,800	4,092,426	88,447	74,410	574,983	413,692	District of Col.....	3,657	530			477	55
Pacific.....	11,608,276	5,177,668	138,566	141,610	826,268	506,397	Virginia.....	1,344,360	1,708,520	23,883	60,110	173,927	185,886
<b>NEW ENGLAND:</b>							West Virginia.....	1,550,739	1,673,120	11,090	30,180	231,530	199,080
Maine.....	112,051	200,080	2,260	6,570	20,686	34,461	North Carolina.....	1,890,127	2,477,900	76,900	135,920	230,556	263,730
New Hampshire.....	65,038	89,240	792	3,350	13,623	17,686	South Carolina.....	653,119	872,590	12,440	37,500	78,986	92,827
Vermont.....	160,283	182,278	2,899	8,652	26,166	27,290	Georgia.....	884,662	1,650,745	23,434	73,372	101,888	169,723
Massachusetts.....	96,802	109,660	1,619	6,256	19,176	18,412	Florida.....	747,832	677,640	15,635	32,290	60,906	58,500
Rhode Island.....	14,221	28,450	185	800	2,959	5,156	E. SOUTH CENTRAL:						
Connecticut.....	145,722	122,960	1,096	4,090	25,913	16,576	Kentucky.....	1,558,670	2,681,720	17,367	33,120	202,242	291,179
<b>MIDDLE ATLANTIC:</b>							Tennessee.....	1,468,123	2,404,550	28,864	79,590	183,062	259,691
New York.....	3,181,733	3,422,497	43,198	84,075	389,642	352,795	Alabama.....	891,864	1,399,410	50,045	162,020	98,977	197,232
New Jersey.....	152,072	174,250	1,572	7,640	22,917	23,479	Mississippi.....	559,012	1,048,590	15,155	49,170	64,852	113,021
Pennsylvania.....	1,840,360	2,526,202	21,825	61,302	262,804	305,292	W. SOUTH CENTRAL:						
<b>E. NORTH CENTRAL:</b>							Arkansas.....	913,515	1,465,320	20,403	59,340	112,968	156,943
Ohio.....	1,001,179	1,980,530	7,454	34,620	133,891	252,321	Louisiana.....	549,134	425,430	12,284	20,446	33,911	45,200
Indiana.....	687,097	1,081,554	15,115	27,780	105,715	219,110	Oklahoma.....	140,234	1,172,640	1,088	5,590	24,096	121,348
Illinois.....	1,428,640	2,961,080	26,240	75,290	260,763	345,200	Texas.....	3,093,097	4,780,204	58,362	159,690	322,798	468,527
Michigan.....	2,507,810	2,069,460	28,524	38,800	296,742	236,012	<b>MOUNTAIN:</b>						
Wisconsin.....	2,153,319	2,677,100	55,402	44,670	235,723	270,742	Montana.....	163,510	19,940	394	130	21,935	3,705
<b>W. NORTH CENTRAL:</b>							Idaho.....	1,011,068	379,450	8,018	6,550	88,382	42,726
Minnesota.....	976,202	986,446	16,880	20,626	124,617	118,884	Wyoming.....	138,924	19,220	1,563	340	16,725	2,676
Iowa.....	2,374,080	2,539,784	44,266	49,314	285,429	305,183	Colorado.....	2,306,492	1,732,639	33,682	24,930	234,534	171,740
Missouri.....	2,105,815	3,018,929	23,784	69,258	274,174	348,604	New Mexico.....	439,528	139,998	5,345	2,290	39,639	15,836
North Dakota.....	11,084	7,530	92	90	1,869	1,149	Arizona.....	1,025,282	930,420	15,012	13,060	57,203	67,489
South Dakota.....	139,714	49,320	943	770	20,443	6,247	Utah.....	1,138,091	1,292,118	16,667	23,740	79,763	94,364
							Nevada.....	354,905	178,660	7,766	3,380	37,002	17,156
							<b>PACIFIC:</b>						
							Washington.....	503,580	590,790	4,068	9,540	66,391	65,211
							Oregon.....	839,981	979,140	8,383	16,740	94,510	109,247
							California.....	10,264,715	3,667,738	126,445	115,330	665,367	331,939

\* Includes Indian Territory.

The total production of honey in the United States in 1909 was reported as 54,815,000 pounds, a decrease of 10.3 per cent as compared with 1899. Wax, which is a relatively unimportant product, showed a much greater decrease. The combined value of honey and wax in 1909 was \$5,992,000, or 10 per cent less than in 1899.

The geographic distribution of the production of honey naturally corresponds quite closely to that of the colonies of bees. The business of raising honey is very generally distributed throughout the country. There was a decrease in the production of honey between 1899 and 1909 in each of the geographic divisions except the Mountain and the Pacific.

## DOMESTIC ANIMALS SOLD OR SLAUGHTERED ON FARMS.

United States as a whole.—Table 23 shows, for the United States as a whole, the number and value of

each class of domestic animals sold or slaughtered on farms during 1909.

Table 23	DOMESTIC ANIMALS SOLD OR SLAUGHTERED ON FARMS IN 1909.								
	All classes.	Cattle (exclusive of calves).	Calves.	Horses.	Mules.	Asses and burros.	Swine.	Sheep.	Goats.
Total sold or slaughtered:									
Number.....		21,981,637	7,874,348	1,768,342	716,862	17,734	52,878,675	19,520,982	526,552
Value.....dollars.....	1,833,175,487	689,375,710	59,775,179	210,264,479	94,359,550	1,833,101	691,611,885	84,774,271	1,181,312
Average value.....dollars.....		31.36	7.59	118.90	131.63	103.37	13.08	4.34	2.24
Sold:									
Number.....		20,572,997	6,742,748	1,768,342	716,862	17,734	37,500,158	18,991,456	407,563
Value.....dollars.....	1,562,936,694	657,686,916	52,328,181	210,264,479	94,359,550	1,833,101	463,011,115	82,506,542	946,810
Average value.....dollars.....		31.97	7.76	118.90	131.63	103.37	12.35	4.34	2.32
Slaughtered:									
Number.....		1,408,640	1,131,600				15,378,517	529,526	118,989
Value.....dollars.....	270,238,793	31,688,794	7,446,998				228,600,770	2,267,729	234,502
Average value.....dollars.....		22.50	6.58				14.86	4.28	1.97

The value of all domestic animals sold during 1909 was \$1,562,937,000, and that of animals slaughtered on the farm \$270,239,000, making a total of \$1,833,175,000. To the total value of animals sold, cattle (including calves) contributed \$710,015,000, or 45.4 per cent; horses, mules, and asses and burros together

\$306,457,000, or 19.6 per cent; swine \$463,011,000, or 29.6 per cent; and sheep and goats \$83,453,000, or 5.3 per cent. The number of cattle and sheep slaughtered on farms was equal to but a very small fraction of the number sold, but the number of swine slaughtered was more than two-fifths as great as the number sold.



The value of domestic animals sold as reported for 1909 (\$1,562,937,000) is not at all comparable with the value of animals sold as reported at the Twelfth Census (\$722,614,000), for the reason that the inquiry at the Thirteenth Census related to all animals sold from the farm, while that at the Twelfth Census related only to the sale of animals which had been raised on the farm reporting.

A very considerable number of the animals sold during any given year are animals previously purchased by the farmers, often during the same year. The practice of buying cattle, swine, and sheep to fatten for market is very common among farmers in some sections. Consequently the gross sales of domestic animals include much duplication. On the other hand, if the sales of animals not raised on the farm reporting are excluded, the additional value (often very great) which such animals may acquire between the time of purchase and the time of sale is omitted from the statistics. Finally, it should be noted that the value of animals sold or slaughtered, no matter how determined, by no means represents the true product of the stock raising industry. An animal, such as a horse or a cow, for example, which is raised by a farmer and retained indefinitely for draft or dairy purposes is just as much a product of agriculture as one sold or slaughtered; this is true, in fact, even though such animal merely replaces another which dies of age or disease.

**Divisions and states.**—Table 24 shows, by geographic divisions, the combined value of all domestic animals sold or slaughtered on farms in 1909.

DIVISION.	VALUE OF ALL DOMESTIC ANIMALS SOLD OR SLAUGHTERED ON FARMS IN 1909.			PER CENT OF TOTAL VALUE OF ANIMALS.		
	Total.	Sold.	Slaughtered.	Sold or slaughtered.	Sold.	Slaughtered.
<b>United States</b>	<b>\$1,833,175,487</b>	<b>\$1,562,936,694</b>	<b>\$270,238,793</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
New England.....	30,416,780	24,287,381	6,129,399	1.7	1.6	2.3
Middle Atlantic.....	89,555,068	62,359,682	27,205,386	4.9	4.0	10.1
E. North Central.....	422,925,855	366,849,902	56,075,953	23.1	23.5	20.8
W. North Central.....	715,336,435	664,809,849	50,526,586	39.0	42.9	18.7
South Atlantic.....	102,508,692	50,917,658	51,591,034	5.6	3.6	16.9
E. South Central.....	123,996,105	91,782,107	32,213,998	7.1	5.9	14.1
W. South Central.....	181,036,205	149,019,393	31,982,812	9.9	9.5	11.8
Mountain.....	100,115,107	93,035,953	7,079,154	5.5	6.0	2.6
Pacific.....	61,310,240	53,874,678	7,435,562	3.3	3.4	2.8

Of the total value of animals sold or slaughtered on farms, the West North Central division reported 39 per cent, the East North Central 23.1 per cent, and the West South Central 9.9 per cent, these three divisions together reporting nearly three-fourths of the total. With respect to the value of domestic animals slaughtered on farms, the East North Central division ranked first, followed by the West North Central and the South Atlantic.

Table 25 shows, by geographic divisions, the number and value of each separate class of domestic animals sold or slaughtered on farms during 1909.

DIVISION.	CATTLE (EXCLUDING CALVES).		CALVES.		Horses sold.	Mules sold.	Asses and burros sold.	SWINE.		SHEEP.		GOATS.	
	Sold.	Slaughtered.	Sold.	Slaughtered.				Sold.	Slaughtered.	Sold.	Slaughtered.	Sold.	Slaughtered.
<b>NEW ENGLAND:</b>													
Number.....	434,193	75,679	437,321	101,698	33,894	276	11	325,828	177,154	181,504	41,719	1,048	137
Value.....	14,063,746	1,778,913	2,538,255	517,434	4,557,190	47,842	234	2,551,918	3,647,131	723,602	181,413	4,593	619
Average value.....dollars..	32.39	23.51	5.85	5.09	134.45	173.34	21.27	7.83	20.59	3.99	4.44	4.38	8.91
<b>MIDDLE ATLANTIC:</b>													
Number.....	850,906	160,473	1,397,252	265,923	103,705	6,515	198	1,075,690	1,135,912	733,204	80,724	1,965	274
Value.....	28,435,677	4,359,379	9,847,792	1,706,484	12,714,225	938,953	7,310	7,060,488	20,698,021	3,347,996	443,342	9,242	1,155
Average value.....dollars..	33.42	27.13	7.05	5.77	122.66	144.12	36.92	6.56	18.22	4.57	5.49	4.70	4.22
<b>EAST NORTH CENTRAL:</b>													
Number.....	2,758,939	214,287	1,965,546	289,053	64,350,499	59,665	11,464,960	2,944,811	3,944,079	57,686	13,439	739	739
Value.....	107,686,696	5,637,101	14,637,205	1,996,796	11,477,495	170,814	148,970,626	48,161,673	19,338,167	277,929	48,402	2,395	2,395
Average value.....dollars..	38.61	26.31	7.45	6.91	135.37	128.00	12.99	16.35	4.90	4.82	3.60	3.24	3.24
<b>WEST NORTH CENTRAL:</b>													
Number.....	7,334,405	317,527	1,137,087	145,934	636,502	251,347	5,925	17,179,803	2,664,171	2,694,142	45,612	47,525	2,297
Value.....	283,647,784	7,406,246	10,947,101	1,035,784	79,294,856	35,085,146	84,274	241,711,567	41,736,756	13,182,952	221,074	133,146	6,746
Average value.....dollars..	38.67	23.51	9.43	7.10	124.52	139.59	142.83	14.07	15.69	4.89	4.85	2.78	2.94
<b>SOUTH ATLANTIC:</b>													
Number.....	1,030,151	138,646	398,696	57,909	85,519	42,659	632	1,014,162	3,201,206	965,135	36,761	16,007	10,134
Value.....	29,366,065	2,880,386	3,636,567	370,705	9,270,128	5,632,701	39,692	5,132,246	42,172,962	4,887,828	151,433	32,431	15,548
Average value.....dollars..	28.51	18.16	7.62	6.40	108.40	132.51	62.80	4.65	13.17	4.41	4.13	2.03	1.53
<b>EAST SOUTH CENTRAL:</b>													
Number.....	1,527,324	129,856	318,428	27,723	98,074	160,392	2,313	2,454,112	2,556,639	1,157,673	34,226	29,825	18,629
Value.....	32,728,694	1,967,530	2,283,029	175,417	10,013,375	20,126,297	34,904	19,979,507	35,966,160	5,072,379	133,595	52,322	30,902
Average value.....dollars..	21.43	14.69	7.17	6.33	102.10	132.54	170.56	8.14	14.07	4.38	3.91	1.75	1.66
<b>WEST SOUTH CENTRAL:</b>													
Number.....	3,993,740	151,971	747,637	39,236	155,430	146,540	4,636	2,772,498	2,213,493	596,421	20,195	170,084	37,831
Value.....	83,712,953	2,406,196	6,340,162	300,853	13,141,911	17,554,241	202,650	25,133,935	29,147,393	1,658,693	61,340	368,775	67,494
Average value.....dollars..	20.96	15.91	8.51	7.67	84.55	119.53	43.13	9.35	13.17	3.28	3.04	2.17	1.78
<b>MOUNTAIN:</b>													
Number.....	1,720,298	115,113	133,240	38,572	110,040	7,327	1,028	392,900	208,106	6,787,685	133,572	77,524	39,333
Value.....	50,144,682	3,078,440	1,384,458	371,991	9,102,421	778,709	40,972	4,106,278	2,982,716	27,288,628	552,670	179,805	83,137
Average value.....dollars..	29.15	26.74	10.39	9.64	82.72	106.28	39.86	10.45	14.38	4.02	3.60	2.31	2.11
<b>PACIFIC:</b>													
Number.....	898,021	55,698	208,231	135,532	116,441	323	730,205	277,625	1,991,613	59,681	49,549	9,545	9,545
Value.....	27,902,619	2,178,818	1,493,634	971,530	7,690,204	1,565,166	40,651	7,567,967	4,015,011	7,496,233	240,669	118,094	26,514
Average value.....dollars..	31.25	25.42	7.17	7.17	112.19	132.18	125.85	10.36	14.47	3.76	4.07	2.38	2.78

In every geographic division except the East North Central the value of cattle and calves sold in 1909 exceeded that of any other class of animals, but in the East North Central division the value of swine sold was greater than that of cattle and calves.

Marked differences appear among the geographic

divisions with respect to the ratio between the number of animals—particularly swine—sold and the number slaughtered on the farm. In the leading hog raising sections, the East and West North Central divisions, the number sold in 1909 was several times greater than the number slaughtered on the farm, but

in the Middle Atlantic, South Atlantic, and East South Central divisions the number sold was less than the number slaughtered.

It should be noted that the wide variations in average value for asses and burros sold are due to the fact

that in some sections the sales include many high-priced breeding jacks, while in others they represent chiefly pack burros.

Table 26 presents data regarding animals sold or slaughtered on farms in individual states.

NUMBER AND VALUE OF DOMESTIC ANIMALS SOLD OR SLAUGHTERED ON FARMS, BY STATES: 1909.

Table 26	VALUE OF ALL DOMESTIC ANIMALS.		NUMBER, BY CLASSES.													
	STATE.	Sold.	Slaughtered.	Cattle (excluding calves).		Calves.		Horses sold.	Mules sold.	Asses and burros sold.	Swine.		Sheep.		Goats.	
				Sold.	Slaughtered.	Sold.	Slaughtered.				Sold.	Slaughtered.	Sold.	Slaughtered.	Sold.	Slaughtered.
<b>United States.</b>		\$1,562,936,694	\$270,238,793	20,572,997	1,408,640	6,742,748	1,131,600	1,768,342	716,862	17,734	37,500,158	15,378,517	18,991,456	528,526	407,563	118,989
<b>NEW ENGLAND:</b>																
Maine.....		6,531,033	1,888,888	83,932	18,755	98,577	27,300	12,003	44	6	88,167	47,319	89,522	23,277	313	40
New Hampshire.....		3,482,591	847,159	54,904	9,116	64,347	10,630	4,966	58	.....	43,008	22,563	14,340	5,987	215	6
Vermont.....		5,990,550	1,408,345	145,965	18,832	102,781	41,375	7,158	55	1	93,720	50,786	64,044	6,609	179	86
Massachusetts.....		5,014,442	1,006,088	81,661	13,521	95,486	14,187	5,963	16	1	63,930	27,754	6,558	2,412	275	19
Rhode Island.....		580,949	165,634	11,177	6,699	9,653	1,175	579	8	1	7,725	3,674	1,153	749	7	.....
Connecticut.....		2,687,816	753,285	56,564	8,756	66,477	6,915	3,225	95	2	29,278	25,058	5,887	2,685	59	6
<b>MIDDLE ATLANTIC:</b>																
New York.....		29,333,508	9,927,603	451,265	68,793	814,704	212,962	39,552	377	77	407,915	386,264	403,307	51,277	1,085	111
New Jersey.....		3,433,924	1,562,926	30,954	3,175	112,885	14,025	4,921	245	1	88,639	73,709	9,356	1,229	82	19
Pennsylvania.....		29,592,251	15,712,856	368,687	88,505	469,663	68,936	59,232	5,893	130	579,136	675,999	330,541	28,218	798	144
<b>E. NORTH CENTRAL:</b>																
Ohio.....		74,632,856	14,964,130	558,420	54,049	362,046	31,180	104,500	3,864	320	2,317,507	708,195	1,287,373	16,754	3,838	89
Indiana.....		81,437,250	11,458,882	463,825	27,122	251,470	21,731	110,115	32,577	242	3,030,547	646,581	584,778	3,714	1,685	187
Illinois.....		132,622,547	14,438,127	1,029,835	38,466	410,590	81,079	165,925	52,426	2,028	3,745,309	762,545	534,030	4,284	4,232	199
Michigan.....		35,915,379	7,692,048	319,063	43,619	293,525	61,896	52,432	484	50	981,880	381,247	1,140,614	17,818	2,410	117
Wisconsin.....		42,241,870	7,562,766	417,796	51,040	647,915	93,167	43,656	314	28	1,389,717	386,243	397,284	15,116	1,274	147
<b>W. NORTH CENTRAL:</b>																
Minnesota.....		34,121,517	6,942,498	442,034	79,226	176,979	80,493	45,790	687	341	1,038,711	314,597	242,613	16,221	815	161
Iowa.....		208,069,001	10,147,302	2,130,255	73,434	256,071	18,253	181,556	15,612	96	5,524,519	507,167	594,869	6,180	15,775	213
Missouri.....		143,967,066	15,272,156	1,300,755	32,059	254,702	8,779	124,585	150,436	3,316	4,425,428	949,318	883,169	7,461	24,500	1,558
North Dakota.....		11,469,138	3,047,590	159,392	31,570	22,263	14,419	36,983	636	78	115,414	136,227	75,455	4,342	121	21
South Dakota.....		35,722,056	2,637,084	159,607	28,475	48,862	7,034	50,858	1,511	332	721,838	117,781	227,837	7,246	1,067	68
Nebraska.....		100,784,287	5,293,468	1,221,743	42,083	96,821	5,458	91,218	17,541	1,006	2,495,969	261,515	385,872	1,753	2,059	59
Kansas.....		130,736,764	7,186,488	1,560,620	30,660	281,398	11,536	105,512	64,924	756	2,857,924	377,566	274,322	2,399	3,488	217
<b>SOUTH ATLANTIC:</b>																
Delaware.....		768,034	570,575	7,070	551	19,292	414	1,453	307	5	20,979	27,588	1,301	87	15	2
Maryland.....		5,399,896	3,069,871	56,863	5,870	92,339	2,110	10,549	1,882	64	143,415	180,406	76,827	2,932	319	13
Dist. of Columbia.....		16,519	7,937	344	8	416	28	9	8	.....	17	383	.....	.....	.....	.....
Virginia.....		20,124,957	8,867,649	314,925	20,058	119,062	5,066	31,878	7,021	115	293,493	537,797	410,025	9,185	1,994	108
West Virginia.....		14,159,182	4,296,930	257,733	18,753	58,815	5,108	19,456	2,290	193	124,650	260,701	410,133	8,269	819	74
North Carolina.....		7,209,308	11,317,680	163,015	36,132	52,137	14,602	12,236	10,885	151	246,796	783,247	75,497	9,763	2,876	2,201
South Carolina.....		2,430,169	4,360,448	57,301	17,657	14,541	6,669	2,818	4,346	64	80,633	309,922	3,894	1,409	1,916	1,364
Georgia.....		5,459,350	10,410,370	112,127	37,605	39,507	23,323	5,453	15,028	38	136,651	860,409	14,602	3,552	4,782	4,054
Florida.....		1,350,243	2,699,568	60,773	22,012	2,537	1,569	1,667	892	2	60,528	294,753	2,916	1,484	3,286	2,258
<b>E. SOUTH CENTRAL:</b>																
Kentucky.....		43,080,628	11,652,749	535,429	19,011	140,896	4,546	43,301	60,392	596	1,160,301	733,642	671,321	16,650	6,915	1,894
Tennessee.....		37,637,861	12,209,506	540,891	33,483	114,620	9,548	39,011	78,170	1,535	1,082,134	742,123	456,484	13,490	9,988	4,563
Alabama.....		5,543,718	7,606,346	198,226	42,946	30,694	7,872	7,787	12,661	88	123,678	581,615	18,539	5,251	8,022	3,885
Mississippi.....		5,519,960	6,745,307	252,778	34,406	32,218	5,757	7,975	9,169	94	88,599	488,659	11,329	4,845	4,900	3,787
<b>W. SOUTH CENTRAL:</b>																
Arkansas.....		12,914,397	7,499,195	379,676	38,088	86,235	8,379	22,073	25,443	530	376,466	616,350	49,356	5,705	8,675	5,499
Louisiana.....		2,933,052	2,847,114	139,319	26,209	15,400	2,667	4,109	3,229	12	61,794	287,447	13,864	3,963	3,636	2,724
Oklahoma.....		54,524,144	6,575,550	939,546	23,043	132,870	5,745	59,751	47,193	1,062	1,591,409	424,436	41,768	1,129	5,046	1,185
Texas.....		78,647,800	15,151,963	2,535,219	64,031	512,442	22,545	69,497	70,975	3,032	2,427,769	885,260	461,433	9,396	15,724	28,423
<b>MOUNTAIN:</b>																
Montana.....		20,346,948	1,262,151	272,996	19,755	18,389	8,748	31,037	950	6	37,471	33,143	1,543,632	13,785	1,159	52
Idaho.....		11,791,655	1,674,048	115,948	12,216	19,098	4,789	13,484	495	15	150,230	47,437	1,021,847	8,494	701	88
Wyoming.....		13,573,935	6,050,745	198,970	9,810	13,716	1,948	12,711	295	5	10,740	13,064	1,276,011	20,832	89	24
Colorado.....		22,453,959	1,754,216	367,215	26,818	33,934	11,557	23,821	2,697	403	124,667	52,081	977,460	19,945	5,641	3,740
New Mexico.....		10,099,489	842,396	404,347	16,316	16,169	3,658	11,208	2,038	379	20,280	21,929	1,009,504	58,329	48,398	26,037
Arizona.....		4,531,545	315,552	146,852	10,773	7,525	1,144	4,357	216	69	9,780	3,299	305,496	8,125	17,765	6,634
Utah.....		5,899,382	756,852	110,780	8,208	20,754	5,312	7,069	382	79	30,072	31,210	425,089	16,579	4,068	2,798
Nevada.....		4,399,040	423,192	101,190	11,217	3,655	1,416	6,333	254	72	9,660	5,943	328,046	6,973	.....	10
<b>PACIFIC:</b>																
Washington.....		7,771,950	2,477,396	94,368	25,087	30,291	44,238	18,106	1,240	86	121,886	92,600	177,166	7,380	966	686
Oregon.....		14,972,615	2,461,159	249,733	24,292	30,473	40,756	21,455	1,685	71	129,641	102,755	998,484	15,786	28,832	4,858
California.....		31,130,113	2,497,007	548,920	36,319	147,467	50,538	28,989	8,916	166	478,678	82,270	815,960	35,915	19,751	4,001

## CHAPTER 13.

### FARM CROPS—ACREAGE, PRODUCTION, AND VALUE.

(WITH STATISTICS OF PURCHASE AND SALE OF CROPS SUITABLE FOR FEEDING ANIMALS, AND OF FARM EXPENDITURES FOR LABOR AND FERTILIZERS.)

**Introduction.**—This chapter presents in condensed form the main results of the Thirteenth Census of the United States with reference to the production of crops in 1909. It also contains statistics relating to the purchase and sale of crops suitable for feeding animals and to farm expenditures for labor and fertilizers. Statistics pertaining to Alaska, Hawaii, Porto Rico, and other outlying possessions are not included in the tables.

The tables give figures for each crop by states, though in the case of less important crops states are not named where the production is insignificant. All of the data published in this chapter regarding any particular state can also be found in the supplement for that state, where additional detail concerning the acreage and production of the principal crops by counties is also published.

The tables in general state the acreage, production, and value of each crop, by states, for the census years 1909 and 1899. In the case of orchard and tropical fruits, grapes, and nuts, the census inquiry was as to

the number of trees or vines rather than the acreage. For certain seeds and for straw and cornstalks, acreage was not tabulated because it would largely duplicate the acreage of primary crops. Forest products and maple sugar and sirup are mainly derived from unimproved land and statistics of acreage, even if they could be obtained accurately, would have little significance.

In any comparison of the crop of one year with that of another, acreage, where reported, forms a more accurate index than either the amount or the value of the crop. The crop yield is subject to variations from year to year, according to the prevalence of adverse or favorable weather conditions, while aggregate values reflect changes in the price per unit as well as in the amount of the crop. On the other hand, in the comparison of one crop with another the respective acreages do not indicate the relative importance so accurately as do aggregate values, since the value of the yield per acre for one crop may be much greater than for another.

#### CROPS IN GENERAL.

##### UNITED STATES AS A WHOLE.

**Acreage and value of all crops: 1909 and 1899.**—The principal results of the census of agriculture which relate to crops for 1909 and for 1899 for the United States as a whole are given in Table 1, on the following page.

The total value of all the crops of the United States in 1909 was \$5,487,000,000, as compared with \$2,999,000,000 in 1899. The increase in the later year as compared with the earlier was therefore \$2,488,000,000, or 83 per cent.

The value of the crops for which reports of acreage were secured amounted in 1909 to \$5,074,000,000, or about nine-tenths of the value of all crops. The total acreage of crops with acreage reports in 1909 was 311,293,382. In April, 1910, the land in farms in the United States, according to the census returns, amounted to 878,798,325 acres, of which 478,451,750 acres were improved. The crops with acreage reports, therefore, occupied 35.4 per cent of the total land in farms and 65.1 per cent of the total improved land. If the acreage of fruit and nut crops grown on improved land were added, the proportion of improved land occupied by all crops would probably be between 66 and 67 per cent. The crops with acreage reports

in 1899 occupied 283,218,280 acres, or 68.3 per cent of the improved land reported at the census of 1900. The area devoted to these crops increased by 9.9 per cent between 1899 and 1909, while improved land in farms increased by 15.4 per cent in the same period. The improved land not occupied by the crops specified includes land in improved pastures, land occupied by orchards, for which acreage was not reported, land lying fallow, and land in house yards and barnyards. It is possible that, because of the difficulty in discriminating precisely between improved and unimproved land, the figures for the improved land at the last two censuses are not wholly comparable. Attention is called to the fact that improved farm land, as reported, increased by 64,000,000 acres, while land in crops for which the acreage was given increased only 28,000,000 acres. It should be noted, however, that the acreage devoted to orchards and vineyards probably increased during the decade. There was also an increase of 20.4 per cent in the number of dairy cows, and doubtless a considerable increase in the improved land in pastures. In addition to these increases, it is quite probable that the amount of land lying fallow is greater at the present time than it was a decade ago because of the constant cropping.

ACREAGE, PRODUCTION, AND VALUE OF ALL CROPS, FOR THE UNITED STATES: 1909 AND 1899.

Table 1 CROP.	ACREAGE.				PRODUCTION.				VALUE (DOLLARS).				
	1909	1899	Increase. <sup>1</sup>		Unit.	1909	1899	Increase. <sup>1</sup>		1909	1899	Increase. <sup>1</sup>	
			Amount.	Per cent.				Amount.	Per cent.			Amount.	Per cent.
All crops.....	311,293,382	283,218,280	28,075,102	8.9						5,487,161	223,288,704	12,458,456	83.0
With acreage reports.....	311,293,382	283,218,280	28,075,102	8.9						5,073,997	254,763,339	569,230,655	82.3
With no acreage reports.....										413,163,629	230,364,843	182,798,786	79.3
Cereals.....	191,385,963	184,982,220	6,403,743	3.5	Bu.....	4,512,564,465	4,438,857,013	73,707,452	1.7	2,665,539,714	1,482,603,049	1,852,936,665	79.8
Corn.....	98,382,668	94,913,673	3,468,995	3.7	Bu.....	2,552,189,630	2,466,324,370	85,865,260	3.5	1,438,533,919	829,192,388	610,341,531	73.7
Oats.....	35,159,441	29,539,698	5,619,743	19.0	Bu.....	1,007,142,980	943,389,375	63,753,605	6.8	114,607,422	217,098,584	197,598,583	91.0
Wheat.....	44,262,592	52,588,574	-8,325,982	-15.8	Bu.....	683,379,289	658,534,252	24,845,037	3.8	657,656,801	369,945,320	287,711,481	77.8
Barley.....	7,698,706	4,470,199	3,228,510	72.2	Bu.....	173,344,212	119,634,877	53,709,335	44.9	92,458,571	61,631,762	50,826,809	122.1
Buckwheat.....	878,063	807,069	70,994	8.8	Bu.....	14,849,332	11,233,515	3,615,817	32.2	9,330,592	5,747,853	3,582,739	62.3
Rye.....	2,195,561	2,054,292	141,269	6.9	Bu.....	29,520,457	25,568,625	3,951,832	15.5	20,421,812	12,290,540	8,131,272	66.2
Kafir corn and milo maize.....	1,635,153	266,513	1,368,640	513.5	Bu.....	17,597,305	5,169,113	12,428,192	240.4	10,816,940	1,367,040	9,449,900	691.3
Emmer and spelt.....	573,621	342,214	231,407	78.3	Bu.....	21,702,710	12,702,710	9,000,000	142.6	5,884,050	5,384,050	500,000	122.5
Rough rice.....	610,175	342,214	267,961	78.3	Bu.....	21,838,580	9,002,886	12,835,694	142.6	10,019,607	6,329,562	3,689,045	153.1
Other grains and seeds.....	5,157,374	4,075,183	1,082,191	26.6						97,536,085	51,626,538	45,909,547	88.9
With acreage reports.....	5,157,374	4,075,183	1,082,191	26.6						90,987,389	42,572,102	38,415,287	90.2
Dry edible beans.....	802,991	453,841	349,150	76.9	Bu.....	11,251,160	5,064,490	6,186,670	122.2	21,771,482	7,683,656	14,137,846	185.2
Other beans.....	14,947	25,738	-10,791	-41.9	Bu.....	179,733	143,388	36,345	25.3	241,600	134,084	106,976	79.8
Dry peas.....	1,305,069	908,570	396,499	34.8	Bu.....	7,129,294	9,440,210	-2,310,916	-24.5	10,963,729	7,908,996	3,054,733	38.6
Peanuts.....	809,887	516,655	293,232	56.8	Bu.....	19,415,816	11,994,109	7,421,707	62.3	18,271,929	7,270,515	11,001,414	151.3
Flaxseed.....	2,083,142	2,110,517	-27,375	-1.3	Bu.....	19,512,766	19,979,492	-466,727	-2.3	28,970,554	19,634,901	9,335,653	47.6
Miscellaneous seeds.....	81,308	81,308			Bu.....	6,671,348	4,865,078	1,806,270	37.1	768,625	8,228,417	7,460,625	141.6
Grass seed.....					Bu.....	6,671,348	4,865,078	1,806,270	37.1	15,137,683	8,228,417	6,909,266	84.0
Flower and vegetable seeds.....										1,411,013	826,019	584,994	70.8
Hay and forage.....	72,280,776	61,691,069	10,589,707	17.2	Tons.....	97,453,735	79,251,562	18,202,173	23.0	824,004,877	484,254,703	339,750,174	70.2
Tobacco.....	1,294,911	1,101,490	193,421	17.6	Lbs.....	1,055,704,806	868,112,865	187,591,941	21.6	104,332,856	56,987,902	47,344,954	83.0
Cotton and cotton seed.....	32,043,838	24,275,101	7,768,737	32.0	Bales.....	10,649,266	9,534,707	1,114,560	11.7	703,619,303	327,538,171	376,081,132	117.3
Cotton seed.....					Tons.....	5,324,634	4,767,353	557,281	11.7	121,076,984	46,950,575	74,126,409	157.9
Sugar crops.....	1,285,031	790,308	494,723	62.6						61,648,942	32,604,689	29,044,253	89.1
With acreage reports.....	1,285,031	790,308	494,723	62.6						56,471,133	29,967,978	26,503,155	88.4
Sugar beets.....	364,063	110,170	253,893	230.5	Tons.....	3,932,857	793,353	3,139,504	395.7	19,880,724	3,323,240	16,557,484	498.2
Sorghum cane.....	444,068	293,152	150,916	51.5	Tons.....	1,647,262	1,150,046	497,216	43.2	10,174,457	6,103,102	4,071,355	66.7
Sugar cane.....	476,899	386,986	89,913	23.2	Tons.....	6,240,290	4,202,202	2,038,088	48.5	26,415,952	20,541,636	5,874,316	28.6
Maple sugar and sirup.....										5,177,809	2,636,711	2,541,098	90.4
Other minor crops.....										18,068,658	9,590,792	8,477,866	88.4
With acreage reports.....	399,784	286,213	113,571	36.5						13,987,552	8,800,834	5,186,718	58.9
Broom corn.....	326,102	178,584	147,518	82.6	Lbs.....	78,959,958	90,947,370	-11,987,412	-13.2	5,134,434	3,588,414	1,546,020	43.1
Hemp.....	7,647	16,642	-8,995	-52.3	Lbs.....	7,483,295	11,750,630	-4,267,335	-36.3	4,421,699	546,338	3,875,361	24.5
Hops.....	44,093	55,613	-11,520	-19.6	Lbs.....	40,718,748	49,209,704	-8,490,956	-17.3	7,844,745	4,081,629	3,762,816	92.2
All other.....	12,342	35,974	-23,632	-63.7	Lbs.....					535,674	554,153	11,521	2.0
With no acreage reports.....										4,081,106	789,958	3,291,148	416.6
Vegetables.....	7,073,379	5,638,220	1,435,159	25.5						418,110,154	238,531,761	179,578,383	75.3
Potatoes.....	3,668,855	2,938,778	730,077	24.8	Bu.....	589,194,965	273,318,161	315,876,804	42.4	166,423,910	98,380,110	68,043,800	68.2
Sweet potatoes and yams.....	641,255	537,312	103,943	19.3	Bu.....	59,232,070	42,517,412	16,714,658	39.3	35,429,176	19,869,840	15,559,336	79.8
Other vegetables.....	2,763,269	2,162,130	601,139	27.8						216,257,068	120,281,811	95,975,257	78.3
Fruits and nuts.....	272,460	309,170	-37,310	-12.0						222,024,216	133,048,721	88,975,495	66.9
Small fruits.....	143,045	151,363	-8,318	-5.5	Qts.....	426,565,863	463,218,612	-36,652,749	-7.9	29,974,481	25,029,757	4,944,724	19.8
Strawberries.....					Qts.....	255,702,035	257,427,103	-1,725,068	-0.7	17,913,926			
Blackberries and dewberries.....	49,004	50,211	-1,207	-2.4	Qts.....	55,343,570	62,189,885	-6,846,315	-11.0	3,969,331			
Raspberries and loganberries.....	48,668	60,916	-12,248	-20.1	Qts.....	60,918,196	76,028,107	-15,109,911	-20.5	5,132,277			
Cranberries.....	18,431	20,364	-1,933	-9.5	Qts.....	38,245,060	31,600,512	6,644,548	21.0	1,755,613			
All other.....	13,312	26,916	-13,604	-50.5	Qts.....	10,359,002	35,373,005	-19,014,003	-53.8	1,262,834			
Orchard fruits.....					Bu.....	216,083,695	212,365,690	3,718,005	1.8	140,867,347	83,750,961	57,116,386	68.2
Apples.....					Bu.....	147,522,918	175,397,600	-27,874,682	-15.9	83,241,492			
Peaches and nectarines.....					Bu.....	35,470,276	15,432,603	20,037,673	129.8	28,781,078			
Pears.....					Bu.....	8,840,733	6,625,417	2,215,316	33.4	7,910,600			
Plums and prunes.....					Bu.....	15,880,170	8,754,032	7,126,138	78.6	10,299,495			
Cherries.....					Bu.....	4,126,099	2,873,499	1,252,600	43.6	7,231,169			
Apricots.....					Bu.....	4,150,263	2,642,128	1,508,135	57.1	2,884,119			
All other.....					Bu.....	493,836	630,321	-136,485	-21.7	829,403			
Grapes.....					Lbs.....	2,571,065,203	1,300,064,097	1,270,981,106	97.6	22,027,961	10,490,234	7,937,727	56.3
Tropical and subtropical fruits.....										24,706,753	8,227,838	16,478,915	206.3
Oranges.....					Boxes.....	19,487,481	6,167,891	13,319,590	216.0	17,996,461			
Lemons.....					Boxes.....	2,770,313	876,876	1,893,437	215.9	2,993,738			
Pome loes (grapefruit).....					Boxes.....	1,189,250	30,790	1,158,460	3,762.3	2,060,610			
Figs.....					Lbs.....	35,060,395	12,994,834	22,065,561	169.8	803,810			
Pineapples.....					Crates.....	778,651	95,456	683,195	715.7	734,690			
Olives.....					Lbs.....	16,405,493	5,053,637	11,351,856	224.6	404,374			
All other.....										146,467			
Nuts.....					Lbs.....	62,328,010	40,028,825	22,299,185	55.7	4,447,674	1,949,931	2,497,743	128.1
Almonds.....					Lbs.....	6,793,639	7,142,710	-349,071	-4.9	711,950			
Pecans.....					Lbs.....	9,890,769	3,206,850	6,683,919	208.4	971,596			
Walnuts (Persian or English).....					Lbs.....	22,026,524	10,668,065	11,358,459	106.5	2,297,336			
All other.....					Lbs.....	23,617,178	19,011,200	4,605,978	24.2	4,466,772			
Flowers and plants.....	18,248	9,307	8,941	95.1						24,872,329	18,758,864	16,113,465	85.9
Nursery products.....	80,618	59,402	21,216	35.5						21,050,822	10,123,873	10,926,949	107.9
Forest products of farms.....										195,306,283	109,864,774	85,441,509	77.8

<sup>1</sup> A minus sign (—) denotes decrease.<sup>2</sup> Estimated.<sup>3</sup> Does not include coconuts, which are reported by number.<sup>4</sup> Includes value of coconuts.

The total value of crops in 1909 was equal to \$59.66 per capita of the population of the United States, while the value per capita in 1899 was \$39.46.<sup>1</sup> There were 6,361,502 farms in the United States in 1910, so that the value of crops in 1909 was equal to an average of \$863 per farm, while the average value of crops per farm for 1899 was \$523.<sup>2</sup>

The Census Bureau has made no attempt to ascertain the total net value of farm products for 1909, including both that of crops and that of animal products. Merely to add the value of these two groups of products together would involve extensive duplication, since large quantities of the crops reported are fed to the animals on the farms. It is impossible to ascertain accurately the amount of such duplication, and the attempt to do so which was made at the Twelfth Census was not considered satisfactory in its results. For this reason the relative importance of crops in the aggregate as a factor in the agricultural production of the United States can not be determined with accuracy.

**Relative importance of different crops: 1909 and 1899.**—In comparing the statistics for individual crops shown in Table 1, it should be noted that the returns are probably more accurate for the leading crops than for the minor crops. The reported production of fruits and vegetables is in all probability less than the true production, as a large proportion of these products are consumed on the farm and farmers are apt to underestimate the amount of such home consumption.

The relative importance of the various individual crops and groups of crops can best be judged from Table 2, which shows, for 1909 and 1899, the percentage of the total improved land occupied by each important crop for which acreage was reported and the percentage which the value of each important crop formed of the total for all crops. The table gives also the average value of each crop per acre wherever data are available.

In 1909, as already stated, crops with acreage reports occupied 65.1 per cent of the total improved land. Cereals occupied 40 per cent—nearly five-eighths of the total acreage of land in crops with acreage reports—hay and forage 15.1 per cent, and cotton 6.7 per cent. These three leading groups together thus occupied 61.8 per cent of the improved land. The distribution of the total value is somewhat different. Cereals in 1909 contributed 48.6 per cent of the total value of crops, hay and forage 15 per cent, cotton (including cotton seed) 15 per cent, vegetables (including potatoes and sweet potatoes and yams) 7.6 per cent, fruits and nuts 4 per cent, forest prod-

ucts of farms 3.6 per cent, tobacco 1.9 per cent, and sugar crops 1.1 per cent, leaving only 3.1 per cent for the other minor crops. Among the individual crops, corn, which occupied 20.6 per cent of the improved farm land in 1909 and contributed 26.2 per cent of the total value of crops in that year, is the most important. None of the other cereals has so great a value as either hay and forage or cotton (including cotton seed). As judged by value, wheat ranks fourth among the crops, oats fifth, and (disregarding forest products as being a combination of items) potatoes sixth.

There was no change in the ranking of the leading crops between 1899 and 1909, but there were, nevertheless, considerable changes in the proportion of improved land occupied by some of them, and in the proportion contributed to the total value of crops.

Table 2

CROP.	PER CENT OF IMPROVED FARM LAND OCCUPIED.		PER CENT OF TOTAL VALUE OF CROPS.		AVERAGE VALUE PER ACRE.	
	1909	1899	1909	1899	1909	1899
All crops.....	65.1	68.3	100.0	100.0	\$16.30	\$9.77
With acreage reports.....	65.1	68.3	100.0	100.0	\$16.30	\$9.77
With no acreage reports.....	34.9	31.7	0.0	0.0	0.00	0.00
Cereals.....	40.0	44.6	48.6	49.4	13.93	8.01
Corn.....	20.6	22.9	26.2	27.6	14.62	8.73
Oats.....	7.3	7.1	7.6	7.2	11.79	7.35
Wheat.....	9.3	12.7	12.0	12.3	14.86	7.03
Barley.....	1.6	1.1	1.7	1.4	12.01	9.31
Buckwheat.....	0.2	0.2	0.2	0.2	10.63	7.12
Rye.....	0.5	0.5	0.4	0.4	9.30	5.98
Kafir corn and milo maize.....	0.3	0.1	0.2	(1)	6.62	5.13
Emmer and spelt.....	0.1	—	0.1	—	9.73	—
Rice.....	0.1	0.1	0.3	0.2	26.25	18.50
Other grains and seeds:						
Dry edible beans.....	0.2	0.1	0.4	0.3	27.11	16.82
Dry peas.....	0.3	0.2	0.2	0.3	8.40	8.17
Peanuts.....	0.2	0.1	0.3	0.2	21.00	14.07
Flaxseed.....	0.4	0.5	0.5	0.7	13.91	9.30
Grass seed and flower and vegetable seeds.....	—	—	0.3	0.3	—	—
Hay and forage.....	15.1	14.9	15.0	16.1	11.40	7.85
Tobacco.....	0.3	0.3	1.9	1.9	80.55	51.74
Cotton (including cotton seed).....	6.7	5.9	15.0	12.4	25.74	15.27
Sugar crops:						
Sugar beets.....	0.1	(1)	0.4	0.1	54.60	30.16
Sorghum cane.....	0.1	0.1	0.2	0.2	22.91	20.82
Sugar cane.....	0.1	0.1	0.5	0.7	55.49	53.08
Maple sugar and sirup.....	—	—	0.1	0.1	—	—
Sundry minor field crops:						
Broom corn.....	0.1	(1)	0.1	0.1	15.74	20.09
Hemp.....	(1)	(1)	(1)	(1)	53.97	34.06
Hops.....	(1)	(1)	0.1	0.1	175.53	73.40
Vegetables.....	1.5	1.4	7.6	8.0	—	—
Potatoes.....	0.8	0.7	3.0	3.3	45.36	33.48
Sweet potatoes and yams.....	0.1	0.1	0.6	0.7	55.25	36.98
Other vegetables.....	0.6	0.5	3.9	4.0	78.26	55.63
Fruits and nuts.....	—	—	4.0	4.4	—	—
Small fruits.....	0.1	0.1	0.5	0.8	110.01	80.80
Orchard fruits.....	—	—	2.6	2.8	—	—
Grapes.....	—	—	0.4	0.5	—	—
Tropical and subtropical fruits.....	—	—	0.5	0.3	—	—
Nuts.....	—	—	0.1	0.1	—	—
Flowers and plants.....	(1)	(1)	0.6	0.6	1,911.02	2,015.57
Nursery products.....	(1)	(1)	0.4	0.3	261.12	170.17
Forest products of farms.....	—	—	3.6	3.7	—	—

<sup>1</sup> Less than one-tenth of 1 per cent.

By reason of the fact that the wheat area diminished and that of corn failed to keep pace with the increase in improved land, both of these leading crops, and the cereal group as a whole, occupied a smaller percentage of the improved farm land of the country in 1909 than in 1899, while hay and forage

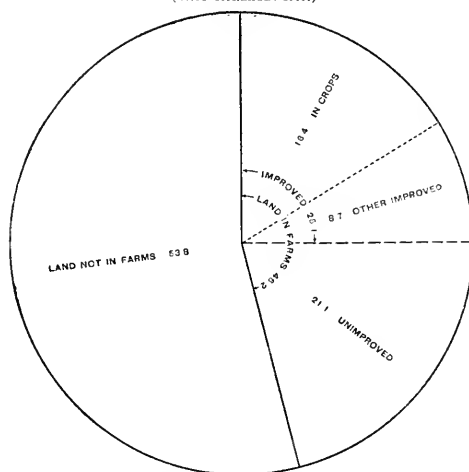
<sup>1</sup> These per capita figures are based on the population of the United States on April 15, 1910, and June 1, 1900, respectively.

<sup>2</sup> These averages are based on the number of farms in the United States on April 15, 1910, and June 1, 1900, respectively.

## ABSTRACT OF THE CENSUS—AGRICULTURE.

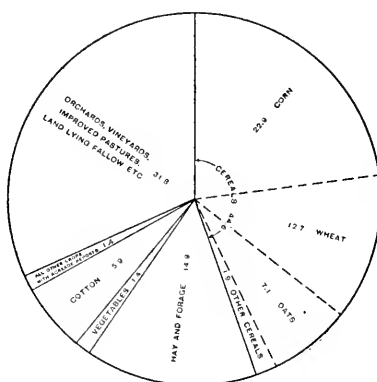
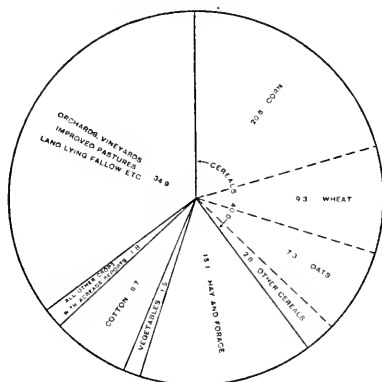
LAND AREA, PERCENTAGE DISTRIBUTION: APRIL 15, 1910.

(CROP ACREAGE: 1909.)



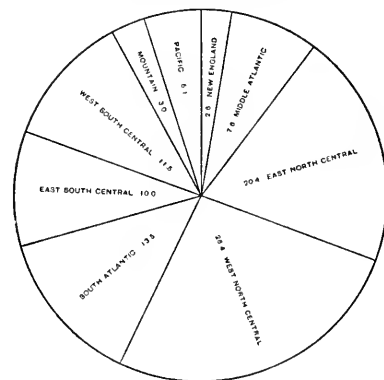
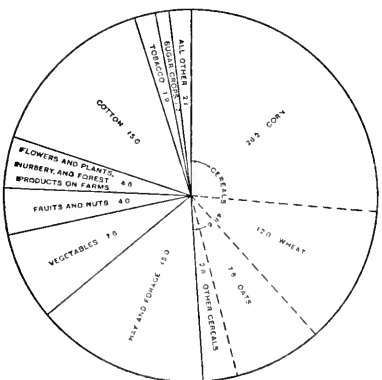
IMPROVED LAND, PERCENTAGE DISTRIBUTION: 1909.

IMPROVED LAND, PERCENTAGE DISTRIBUTION: 1899.



VALUE OF ALL CROPS, PERCENTAGE DISTRIBUTION BY CROPS: 1909.

VALUE OF ALL CROPS, PERCENTAGE DISTRIBUTION BY DIVISIONS: 1909.



and cotton occupied a larger percentage. Hay and forage as well as the cereals, however, contributed a somewhat smaller proportion of the total value of crops in 1909 than in 1899, while cotton (including cotton seed) contributed a materially larger proportion. The combined acreage of cereals increased only 3.5 per cent during the decade 1899-1909, while that of hay and forage increased 17.2 per cent and that of cotton 32 per cent. Certain minor crops show higher percentages of increase in acreage than these leading crops.

The average value of crops per acre, for all crops with acreage reports combined, was \$9.77 in 1899, and \$16.30 in 1909. Naturally great differences appear among the individual crops with respect to average value per acre. These differences in no way indicate the relative profitableness of the different crops, however, as some crops require the use of much more valuable land and more expensive methods of cultivation than others.

**Relation of prices to increase in value: 1899 to 1909.**—A large part of the extraordinary increase in the total value of farm crops between 1899 and 1909 is attributable to higher prices. While the acreage of crops with acreage reports increased only 9.9 per cent, the value of such crops increased \$3.3 per cent. The percentages of increase in the quantity of the various individual crops, as shown in Table 1, were in

nearly all cases much less than the percentages of increase in the value. Thus, for all cereals taken together, the production increased only 1.7 per cent, while the value increased 79.8 per cent; for hay and forage the production increased 23 per cent and the value 70.2 per cent; and for cotton (including cotton seed) the production increased 11.7 per cent and the value 122.5 per cent.

Table 3 shows, for the leading individual crops for which both quantity produced and value were reported at both censuses, the average value per unit in 1899 and 1909, with the percentage of increase. It also shows the value which would have been reported for each crop in 1909 if the average value per unit had been the same in that year as in 1899. In each case a comparison of the value of the 1909 crop computed on this basis with the actual value of the crop of 1899 shows the increase in value during the decade which was due to increased production; while a comparison of this computed value with the actual value of the crop in 1909 shows the increase during the decade which was due to the increase in prices. For certain crops, principally fruits and nuts, the values were not reported separately in 1900, and for certain other crops quantities were not reported at either census, but the table covers nine-tenths of the crops of the country as measured by value.

Table 3

Table 3		AVERAGE VALUE PER UNIT.				VALUE OF CROPS.				INCREASES: 1899 to 1909 <sup>1</sup>				EXCESS OF ACTUAL VALUES OF CROPS OF 1909 OVER VALUES COMPUTED FOR 1909 ON BASIS OF PRICES OF 1899.			
CROP.	Unit.	1909		Increase: 1899 to 1909		As reported: 1909	Computed for 1909 on basis of prices of 1899.	As reported: 1899	On basis of values as reported.		On basis of prices of 1899 for crops of 1909.		Amount.	Per cent.	Amount.	Per cent.	
		Amount.	Per cent.	Amount.	Per cent.				Amount.	Per cent.							
All crops.						\$5,487,161,223		\$2,968,704,412		\$2,488,456,811	83.0	\$3,327,037,936	10.0	\$1,972,131,351	66.6		
Crops compared.						4,934,489,828	\$2,962,358,477	2,691,978,541		2,242,511,287	83.3	3,027,037,936	10.0	\$1,972,131,351	66.6		
Crops not compared.						552,671,395		306,725,871		245,945,524	80.2						
Cereals.						2,665,539,714	1,510,529,214	1,482,603,049		1,182,936,665	79.8	27,926,165	1.9	1,155,010,500	76.5		
Corn.	Bu.	\$0.56365	\$0.31061	\$0.25304	81.5	1,438,553,919	792,735,621	828,192,388		610,361,531	73.7	35,456,767	-4.3	645,818,298	81.5		
Oats.	Bu.	0.41176	0.23013	0.18163	78.9	414,697,422	211,773,814	217,098,584		197,598,338	91.0	14,675,230	6.8	182,923,608	78.9		
Wheat.	Bu.	0.96238	0.56177	0.40509	71.3	687,636,801	383,901,966	369,945,320		287,711,481	77.8	15,956,646	3.8	273,754,835	71.3		
Barley.	Bu.	0.53338	0.34799	0.18539	53.3	92,458,571	60,322,052	41,631,762		50,826,899	122.1	18,690,290	44.9	32,136,519	53.3		
Buckwheat.	Bu.	0.62835	0.51167	0.11668	22.8	9,430,592	7,597,958	5,747,833		3,582,739	62.3	1,850,105	32.2	1,732,634	22.8		
Rye.	Bu.	0.69179	0.48069	0.21110	43.9	20,121,812	14,190,188	12,250,540		8,131,272	66.2	1,899,648	15.5	6,231,624	43.9		
Kaffir corn and milo	Bu.	0.61469	0.26446	0.35023	132.4	10,816,940	4,653,783	1,367,040		9,449,900	691.3	3,286,743	240.4	6,163,157	132.4		
Maize.	Bu.	0.43960	0.43960	0.43960	—	5,584,050	—	5,584,050		5,584,050	—	—	—	5,584,050	—		
Emmer and spelt.	Bu.	0.73555	0.70306	0.03049	4.3	16,019,607	15,353,832	6,329,562		9,690,045	153.1	9,024,270	142.6	665,775	4.3		
Rough rice.	Bu.	1.93504	1.50729	0.42775	28.4	21,771,482	16,958,761	7,633,636		14,137,846	185.2	9,325,123	22.2	4,812,721	28.4		
Dry edible beans.	Bu.	1.34121	0.93511	0.40610	43.4	161,070	108,070	134,084		106,976	79.8	33,896	23.3	72,990	43.4		
Other beans.	Bu.	1.53784	0.83780	0.70004	83.6	10,963,759	5,972,923	7,908,966		3,054,773	38.6	1,936,943	-24.5	4,980,816	83.6		
Dry peas.	Bu.	0.94108	0.60769	0.33339	54.9	18,271,929	11,798,797	7,270,515		11,001,414	151.3	13,128,283	62.3	3,473,132	54.9		
Peanuts.	Bu.	1.48470	0.98225	0.50245	51.2	28,970,554	19,166,412	19,024,901		3,543,653	47.6	-458,489	-2.3	9,804,142	51.2		
Flaxseed.	Bu.	2.26906	1.69132	0.57774	34.2	15,137,683	11,283,384	8,228,417		6,909,266	84.0	3,054,967	37.1	3,854,299	34.2		
Grass seed.	Bu.	8.45534	6.11035	2.34499	38.4	824,004,877	595,476,430	484,254,703		339,750,714	70.2	11,221,727	33.0	228,528,447	38.4		
Hay and forage.	Ton.	0.09879	0.06365	0.03514	50.5	104,302,856	69,310,960	56,987,902		47,314,954	83.0	12,323,058	21.6	34,991,896	50.5		
Tobacco.	Bale	66.07208	33.95578	32.11633	94.6	703,619,303	361,603,882	323,758,171		379,861,132	117.3	37,845,711	11.7	342,015,421	94.6		
Cotton seed.	Ton.	22.73902	9.83835	12.89067	130.9	121,076,984	52,438,859	40,560,575		74,126,499	157.9	5,488,284	11.7	68,638,123	130.9		
Sugar beets.	Ton.	3.05303	4.18883	0.86618	20.7	19,880,724	16,474,148	16,557,434		16,557,434	98.2	13,150,908	335.7	3,496,571	20.7		
Sorghum cane.	Ton.	6.76599	3.19526	2.98133	93.3	10,174,457	5,263,430	6,103,102		4,071,353	66.7	-839,672	-13.8	4,911,027	93.3		
Broom corn.	Lb.	0.06503	0.03946	0.02557	64.8	5,134,434	3,115,796	3,588,414		1,546,020	43.1	-172,634	-13.2	2,018,674	64.8		
Hemp.	Lb.	0.05515	0.04649	0.00866	15.6	412,699	347,898	346,338		-135,639	-34.5	-178,440	-36.3	64,801	15.6		
Hops.	Lb.	0.19266	0.08295	0.10971	132.3	7,844,745	3,377,620	4,081,929		3,762,816	92.2	-704,309	-17.3	4,467,125	132.3		
Potatoes.	Bu.	0.42761	0.35995	0.06766	15.8	166,423,910	140,090,728	98,380,110		68,043,900	69.2	41,710,618	42.4	26,333,182	15.8		
Sweet potatoes and yams.	Bu.	0.59814	0.46733	0.13081	28.0	35,429,176	27,680,923	19,869,840		15,559,336	78.3	7,811,083	39.3	7,748,253	28.0		
Small fruits.	Qt.	0.07027	0.05403	0.01624	30.1	29,974,481	23,047,354	25,029,757		4,944,724	19.8	-1,982,403	-7.9	6,927,127	30.1		
Orchard fruits.	Bu.	0.65191	0.39437	0.25754	63.4	140,867,347	85,216,927	83,750,961		57,116,286	68.2	1,465,969	1.8	55,650,420	63.4		
Nuts.	Lb.	0.07136	0.04571	0.02565	46.5	4,447,674	3,055,997	1,949,931		2,497,743	128.1	1,086,066	55.7	1,411,677	46.5		

<sup>1</sup> A minus sign (-) denotes decrease.

The total reported value of crops in 1899, compared in Table 3, was \$2,691,979,000, and the total reported value of the same crops in 1909, \$4,934,490,000, an increase of 83.3 per cent. Had the prices of 1899 prevailed, however, the value of these crops in 1909 would have amounted to \$2,962,358,000, or an increase of only 10 per cent over 1899, which indicates substantially the increase in the volume of the product. The difference between \$2,962,358,000 and \$4,934,490,000, or \$1,972,132,000, represents the amount added to the value of these crops by reason of the increase in prices over those for 1899, the average percentage of increase in prices being thus 66.6. For the most important individual crop, corn, the table shows that the actual value in 1909 was \$1,438,554,000, or 73.7 per cent more than the value of the crop of 1899. If there had been no change in value per bushel the value of the 1909 crop would have been \$792,736,000, or less than the value of the crop of 1899. The difference, \$645,818,000, represents the addition to the value of the corn crop of 1909 by reason of the increase of 81.5 per cent in the average value per bushel.

**Increase of crop production and consumption: 1899 to 1909.**—The percentage given above, 10 per cent, as representing the increase in the value of the crops of 1909, on the basis of the 1899 prices, over the value of the same crops in 1899, is nothing else than a consolidated expression of the general increase in the quantity of crops produced. Covering, as it does, nine-tenths of the crops of the country, it may properly be compared with the increase of 21 per cent in the population of the United States between 1900 and 1910. During the decade the increase in the number of farms was 10.9 per cent, the increase in rural population 11.2 per cent, and the increase in urban population 34.8 per cent. As already stated, the total acreage of crops with acreage reports increased 9.9 per cent between 1899 and 1909. It would appear, therefore, that in the aggregate there was practically no difference in the average quantity of crops produced per acre in the two years.

The increasing consumption of crops in the country has been supplied only in part by an increased production, the remainder being furnished in large measure by a curtailment of agricultural exports. Thus in the fiscal year ending June 30, 1900, the exportations of domestic breadstuffs amounted to \$262,744,078<sup>1</sup> in value, while in the fiscal year 1910 the exports of such commodities had sunk to almost one-half of this value, namely, \$133,191,330.<sup>1</sup> In view of the increase of prices in the 10 years, it will readily be understood that the exports have decreased in quantity considerably more than appears from the decrease in value.

**Acreage of leading crops: 1879 to 1909.**—Because of the difficulties arising from changes in prices, as well as because of some differences in the classification of

crops, a complete comparison of the census returns for 1909 with those obtained by the censuses prior to 1899 is not practicable. For some of the leading crops, however, a comparison with the censuses of 1879 and 1889, as well as of 1899, can be made upon the basis of acreage. The acreage of all cereals in 1879 was 119,000,000. It advanced in 1889 to 140,000,000 and in 1899 to 184,000,000. The increase in the acreage of some other important crops was more marked. In 1879 the acreage of hay and forage was 30,000,000, advancing to 53,000,000 in 1889, to 62,000,000 in 1899, and in 1909, to 72,000,000, which was considerably more than double the acreage of 30 years before. During the same period of time the cotton acreage has more than doubled, the acreage in 1879 being 15,000,000 and in 1909 32,000,000. Tobacco advanced comparatively little in acreage from 1879 to 1889 (639,000 to 695,000), but in 1899 tobacco was harvested from 1,101,000 acres and in 1909 from 1,295,000. Thus, among these four crops for which acreage figures are available for four censuses, the increase in the combined cereals has been less than that of the other crops, and in their proportion of the aggregate acreage represented by these crops the cereals are at the present time less important than they were 30 years ago. For these four crops the increase in the acreage from 1879 to 1909 amounted to 80.5 per cent, while the population of the country increased 83.4 per cent between 1880 and 1910.

#### DIVISIONS AND STATES.

**Distribution of all crops, by divisions: 1909 and 1899.**—Table 4 shows for each of the nine geographic divisions and also for certain larger sections of the country the total acreage and value of all crops with acreage reports, and the total value of all crops, including those without acreage reports, in 1909 and 1899. Table 5 gives percentages and averages based on Table 4. The North includes the first four geographic divisions, the South includes the next three, and the West the last two.

In the West North Central division, where the proportion of improved land occupied in 1909 by crops with acreage reports was highest, these crops occupied 69.8 per cent of the total improved farm acreage in that year, while in the Pacific division, where the proportion was lowest, they occupied 48.3 per cent. The Pacific division has a larger amount of land devoted to fruits and cultivated nuts than any of the other geographic divisions, but it is probable that even in that division the land in such crops in 1909 scarcely exceeded one-sixth of the land in crops for which the acreage was reported.

Of the total value of all crops those without acreage reports represent somewhat less than 10 per cent. Such crops are relatively important in the New England and Pacific divisions, where fruit crops and forest

<sup>1</sup> See Statistical Abstract of the United States, 1910, Table 217, page 431.



products of farms contribute a considerable proportion of the value of all crops. The contribution of such

crops to the total value is relatively least in the West North Central division.

Table 4	ACREAGE OF CROPS WITH ACREAGE REPORTS.				VALUE OF CROPS WITH ACREAGE REPORTS.				VALUE OF ALL CROPS.			
			Increase. <sup>1</sup>				Increase.				Increase.	
	1909	1899	Acres.	Per cent.	1909	1899	Amount.	Per cent.	1909	1899	Amount.	Per cent.
United States.....	311,293,382	283,218,280	28,075,102	9.9	\$5,073,997,594	\$2,768,339,569	\$2,305,658,025	83.3	\$5,487,161,223	\$2,598,704,412	\$2,888,456,811	83.0
New England.....	4,658,850	4,805,803	-206,953	-4.3	114,399,237	79,380,064	35,019,173	44.1	141,113,829	95,220,019	45,893,810	48.2
Middle Atlantic.....	17,329,196	18,619,446	-1,290,250	-6.9	359,434,862	263,721,811	95,713,051	36.3	416,248,625	304,829,335	111,419,290	36.5
East North Central.....	59,790,579	59,223,811	566,768	1.0	1,047,989,193	625,555,503	422,433,690	68.3	1,117,152,160	674,855,402	442,296,758	63.5
West North Central.....	114,689,460	101,243,210	13,446,250	13.3	1,403,517,581	714,017,756	689,499,825	96.6	1,445,909,494	736,910,961	708,998,533	96.2
South Atlantic.....	39,279,427	28,337,150	10,942,277	6.9	673,235,382	319,874,805	353,359,577	110.5	742,105,246	348,918,717	393,186,529	112.7
East South Central.....	25,775,920	25,315,596	460,324	1.8	509,467,342	287,926,942	221,540,400	76.9	551,282,286	307,782,583	243,499,703	79.1
West South Central.....	39,273,594	29,857,088	9,416,506	31.5	600,135,113	321,007,404	279,127,709	87.0	628,343,039	332,651,296	295,691,743	88.9
Mountain.....	8,859,062	5,392,495	3,466,567	64.3	162,358,292	54,187,588	108,170,709	181.2	163,897,753	56,731,556	107,166,197	188.9
Pacific.....	10,637,294	10,353,671	273,623	2.6	213,472,457	105,467,696	108,004,761	102.4	281,078,791	140,704,549	140,374,242	99.8
The North.....	196,468,085	183,922,270	12,545,815	6.8	2,925,340,903	1,679,875,134	1,245,465,769	74.1	3,120,454,108	1,811,915,717	1,308,538,391	72.2
The South.....	95,328,941	83,599,844	11,819,097	14.2	1,782,825,937	928,809,151	854,016,786	91.9	1,921,730,571	989,352,590	932,377,981	94.2
The West.....	19,496,356	15,756,166	3,740,190	23.7	365,830,754	159,655,284	206,175,470	129.1	444,976,543	197,436,105	247,540,438	125.4
East of the Mississippi.....	137,833,972	136,361,806	1,472,166	1.1	2,704,516,146	1,573,659,125	1,129,857,021	71.9	2,967,932,146	1,731,706,059	1,236,226,086	71.4
West of the Mississippi.....	173,459,410	146,856,474	26,602,936	18.1	2,369,481,448	1,194,680,444	1,174,801,004	98.3	2,519,229,677	1,266,998,356	1,252,230,721	98.8

<sup>1</sup> A minus sign (—) denotes decrease.

Table 5	PER CENT OF TOTAL FARM ACREAGE IN CROPS WITH ACREAGE REPORTS.		PER CENT OF IMPROVED FARM LAND IN CROPS WITH ACREAGE REPORTS.		DISTRIBUTION OF VALUE OF ALL CROPS.		AVERAGE VALUE OF CROPS WITH ACREAGE REPORTS PER ACRE OF LAND IN SUCH CROPS.	
	1909	1899	1909	1899	1909	1899	1909	1899
United States.....	35.4	32.8	65.1	68.3	100.0	100.0	16.30	9.77
New England.....	23.6	24.7	64.2	59.8	2.6	3.2	24.56	10.31
Middle Atlantic.....	40.1	41.5	59.1	60.5	7.6	10.2	20.74	14.16
East North Central.....	50.7	50.9	67.2	68.3	24.4	22.5	17.53	10.52
West North Central.....	46.3	50.4	69.8	74.6	20.4	24.6	12.24	7.05
South Atlantic.....	29.2	27.2	62.5	61.5	13.5	11.6	22.23	11.29
East South Central.....	31.6	31.2	58.7	62.9	10.0	10.3	19.77	11.37
West South Central.....	23.2	16.9	67.4	75.1	11.5	11.1	15.28	10.75
Mountain.....	14.9	11.6	55.7	64.2	3.0	1.9	17.30	10.65
Pacific.....	20.7	21.9	48.3	55.3	5.1	4.7	20.07	10.18
The North.....	47.5	48.1	67.8	70.4	56.9	60.4	14.89	9.13
The South.....	17.6	18.3	63.3	66.2	35.0	33.0	18.70	11.12
The West.....	17.6	16.8	51.4	58.0	8.1	6.9	18.70	10.13
East of the Mississippi.....	37.6	37.1	63.2	64.3	54.1	57.7	19.42	11.54
West of the Mississippi.....	33.8	31.2	66.6	72.5	45.9	42.3	13.66	8.14

In the value of all crops (including those without acreage reports) the West North Central division ranks first, its crops in 1909 being valued at \$1,445,909,000, or 26.4 per cent of the total for the country. This division, however, has 34.3 per cent of the improved farm land in the United States. The East North Central division contributed more than one-fifth of the total value of crops in 1909, and the South Atlantic nearly one-seventh. Of the value of all crops the North reported 56.9 per cent, the South 35 per cent, and the West 8.1 per cent. The proportion east of the Mississippi was 54.1 per cent and that west of the Mississippi 45.9 per cent.

In all of the geographic divisions except the New England and South Atlantic, crops with acreage reports occupied a somewhat smaller proportion of the improved acreage in 1909 than in 1899. In the New England and Middle Atlantic divisions the acreage in such crops decreased between 1899 and 1909; and a decrease would doubtless appear for all crops

combined if reports of acreage were available for all. The increase in the acreage of crops with acreage reports for the North (mainly in the West North Central division) was 6.8 per cent; that for the South (mainly in the West South Central division), 14.2 per cent; and that for the West, 23.7 per cent. The table shows that the increase for the territory east of the Mississippi was only 1.1 per cent, while for that west of the Mississippi it was 18.1 per cent.

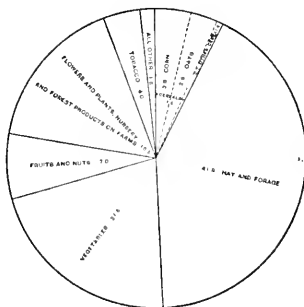
The absolute increase in value of crops between 1899 and 1909 was greatest in the West North Central division (\$708,999,000), but the percentage of increase in that division (96.2) was less than that in the Mountain division (188.9), that in the South Atlantic division (112.7), or that in the Pacific division (99.8 per cent). For the North the increase in value of crops was 72.2 per cent, for the South 94.2 per cent, and for the West 125.4 per cent.

**Relative importance of leading crops in the total production of each division, section, and state: 1909.**—Tables 6, 7, and 8 have for their purpose the indication of the relative importance of the principal individual crops in the agriculture of each geographic division, section, and state.

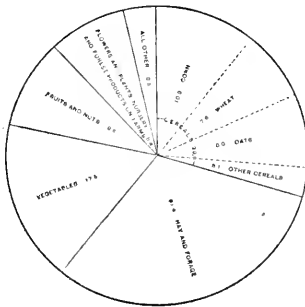
The distribution of the crops varies greatly in the different divisions and sections. As shown in Table 6, the value of cereals constituted 75.4 per cent of the total value of crops in the West North Central division and 65.4 per cent in the East North Central, but in no other division did the proportion exceed 35 per cent, and in New England it was only 7.6 per cent. As judged by value, hay and forage is the most important group of crops in the New England, Middle Atlantic, and Mountain divisions, while cotton is the most important crop in each of the three southern divisions; in the South as a whole the value of the cotton crop (including cotton seed) in 1909 was 42.7 per cent of the total value of all crops.

## VALUE OF ALL CROPS, PERCENTAGE DISTRIBUTION BY CROPS, BY DIVISIONS: 1909.

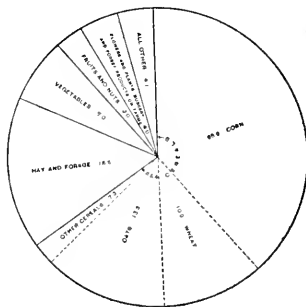
NEW ENGLAND.



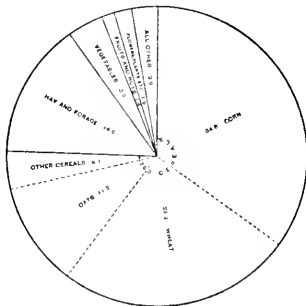
MIDDLE ATLANTIC.



EAST NORTH CENTRAL.



WEST NORTH CENTRAL.



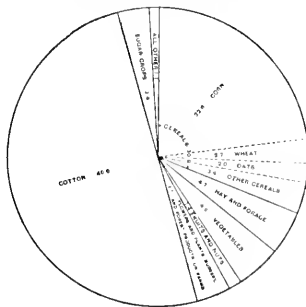
SOUTH ATLANTIC.



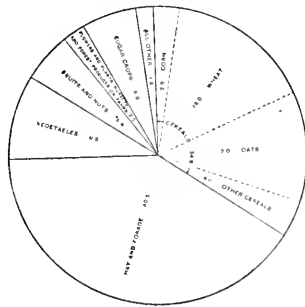
EAST SOUTH CENTRAL.



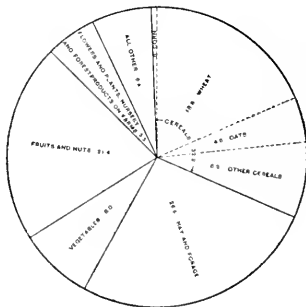
WEST SOUTH CENTRAL.



MOUNTAIN.



PACIFIC.



## PERCENTAGE OF VALUE OF ALL CROPS REPRESENTED BY INDIVIDUAL CROPS, BY DIVISIONS AND SECTIONS: 1909.

Table 6		CEREALS.															OTHER GRAINS AND SEEDS WITH ACREAGE REPORTS.									
DIVISION OR SECTION.	Value of all crops.	Crops with acreage reports.	Crops without acreage reports. <sup>1</sup>												Total. <sup>1</sup>	Dry edible beans.	Dry peas.	Peanuts.	Flaxseed.	Seeds. <sup>2</sup>	Hay and forage.	Tobacco.	Cotton (including cotton seed).			
				Total.	Corn.	Wheat.	Oats.	Barley.	Rye.	Buckwheat.	Kafir corn and milo make.	Emmer and spelt.	Rice.													
United States...	100.0	92.5	7.5	48.6	26.2	12.0	7.6	1.7	0.4	0.2	0.2	0.1	0.3	1.5	0.4	0.2	0.3	0.5	0.3	15.0	1.9	15.0				
New England.....	100.0	81.1	18.9	7.6	3.9	0.1	2.9	0.2	0.1	0.3	( <sup>1</sup> )	( <sup>1</sup> )	0.3	0.3	0.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	0.1	41.9	4.0	4.0				
Middle Atlantic.....	100.0	86.4	13.6	24.6	10.9	7.6	8.0	0.3	1.2	1.6	0.1	0.1	0.1	0.9	0.9	0.3	0.1	0.1	0.1	31.4	1.0	1.0				
East North Central.....	100.0	93.8	6.2	65.4	38.9	10.9	13.3	1.4	0.8	0.1	0.1	0.1	0.1	1.2	0.9	0.3	0.1	0.1	0.1	16.5	1.4	1.4				
West North Central.....	100.0	97.1	2.9	75.4	34.8	23.2	11.2	3.3	0.3	( <sup>1</sup> )	0.2	0.3	( <sup>1</sup> )	2.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	0.4	14.6	( <sup>1</sup> )	0.3				
South Atlantic.....	100.0	94.7	5.3	28.2	24.1	3.9	1.8	( <sup>1</sup> )	0.1	0.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.5	( <sup>1</sup> )	0.5	1.9	( <sup>1</sup> )	( <sup>1</sup> )	5.1	4.1	40.8				
East South Central.....	100.0	92.4	7.6	31.5	27.4	2.9	1.2	( <sup>1</sup> )	0.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	2.7	( <sup>1</sup> )	0.5	0.4	( <sup>1</sup> )	0.1	5.4	8.3	37.1				
West South Central.....	100.0	95.5	4.5	31.0	22.8	2.7	2.0	( <sup>1</sup> )	0.0	( <sup>1</sup> )	0.0	( <sup>1</sup> )	2.4	0.5	0.2	0.3	( <sup>1</sup> )	( <sup>1</sup> )	0.1	4.7	0.1	49.9				
Mountain.....	100.0	93.0	7.0	34.6	2.8	15.8	12.0	3.4	0.2	( <sup>1</sup> )	0.3	0.1	( <sup>1</sup> )	1.0	0.3	0.3	( <sup>1</sup> )	0.4	0.6	40.5	( <sup>1</sup> )	( <sup>1</sup> )				
Pacific.....	100.0	75.9	24.1	32.3	0.6	18.6	4.8	7.8	0.1	( <sup>1</sup> )	0.3	0.3	( <sup>1</sup> )	2.4	2.3	0.1	( <sup>1</sup> )	( <sup>1</sup> )	0.4	26.5	( <sup>1</sup> )	( <sup>1</sup> )				
The North.....	100.0	93.7	6.3	62.6	31.7	16.6	11.2	2.1	0.6	0.3	0.1	0.2	( <sup>1</sup> )	1.5	0.5	0.1	( <sup>1</sup> )	0.9	0.4	18.8	0.8	0.1				
The South.....	100.0	92.8	7.2	29.3	23.1	3.2	1.7	( <sup>1</sup> )	0.1	0.3	( <sup>1</sup> )	0.3	0.8	1.3	0.3	0.3	0.9	( <sup>1</sup> )	0.1	5.1	4.1	42.7				
The West.....	100.0	82.2	17.8	33.1	1.4	17.6	7.5	6.2	0.1	( <sup>1</sup> )	0.3	0.1	( <sup>1</sup> )	1.9	1.5	0.2	( <sup>1</sup> )	0.2	0.5	31.7	0.1	0.1				
East of the Mississippi.	100.0	91.1	8.9	41.6	20.5	16.7	6.9	0.6	0.5	0.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.4	0.3	0.3	0.6	( <sup>1</sup> )	0.3	14.9	3.5	17.1				
West of the Mississippi.	100.0	94.1	5.9	56.9	6.7	8.3	3.0	0.2	0.2	( <sup>1</sup> )	0.4	0.2	0.6	1.6	0.3	0.1	0.1	1.1	0.3	15.2	( <sup>1</sup> )	12.6				
DIVISION OR SECTION.	Sugar cane.	Sorghum cane.	Sugar beets.	Maple sugar and syrup. <sup>2</sup>	SUNDRY MINOR CROPS.				VEGETABLES.				Flowers and plants.	Nursery products.	FRUITS AND NUTS.											
					Total. <sup>1</sup>	Broom corn.	Hemp.	Hops.	Total.	Potatoes.	Sweet potatoes and yams.	Other vegetables.			Total.	Orchard fruits. <sup>2</sup>	Small fruits.	Tropical and subtropical fruits. <sup>2</sup>	Grapes. <sup>2</sup>	Nuts. <sup>2</sup>	Forest products farms. <sup>3</sup>	Miscellaneous. <sup>3</sup>				
United States...	0.5	0.2	0.4	0.1	0.3	0.1	( <sup>1</sup> )	0.1	7.6	3.0	0.6	3.9	0.6	0.4	4.0	2.6	0.5	0.5	0.4	0.1	3.6	0.1				
New England.....	( <sup>1</sup> )	( <sup>1</sup> )	1.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	0.1	21.5	12.4	0.1	4.1	3.3	0.7	7.0	5.2	1.7	( <sup>1</sup> )	0.1	( <sup>1</sup> )	12.5	0.1				
Middle Atlantic.....	( <sup>1</sup> )	0.5	0.2	0.6	( <sup>1</sup> )	( <sup>1</sup> )	0.6	0.6	17.4	9.6	0.4	8.1	2.8	1.0	9.6	6.9	1.4	( <sup>1</sup> )	1.2	( <sup>1</sup> )	4.6	0.4				
East North Central.....	0.1	0.1	0.2	0.1	( <sup>1</sup> )	( <sup>1</sup> )	0.1	( <sup>1</sup> )	6.9	3.4	0.1	3.5	0.8	0.3	3.0	2.2	0.5	( <sup>1</sup> )	0.3	( <sup>1</sup> )	2.9	0.1				
West North Central.....	0.1	0.1	0.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.2	2.1	0.1	1.2	0.2	0.3	1.4	1.8	0.3	( <sup>1</sup> )	0.1	( <sup>1</sup> )	2.4	0.1				
South Atlantic.....	0.5	0.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	9.8	1.9	0.2	1.7	0.2	0.3	2.2	2.0	0.6	1.0	0.1	( <sup>1</sup> )	2.6	0.1				
East South Central.....	0.6	0.6	( <sup>1</sup> )	( <sup>1</sup> )	0.1	( <sup>1</sup> )	0.1	( <sup>1</sup> )	7.5	1.1	1.7	4.8	0.2	0.2	2.4	2.0	0.3	( <sup>1</sup> )	0.1	( <sup>1</sup> )	3.3	0.1				
West South Central.....	3.1	0.3	( <sup>1</sup> )	0.4	0.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.8	0.9	1.0	3.0	0.1	0.3	1.4	0.8	0.3	0.1	( <sup>1</sup> )	0.1	2.3	0.1				
Mountain.....	0.1	1.8	0.1	0.1	( <sup>1</sup> )	0.1	( <sup>1</sup> )	( <sup>1</sup> )	9.3	5.5	0.1	4.0	0.5	0.4	2.4	4.7	0.6	( <sup>1</sup> )	0.1	( <sup>1</sup> )	2.6	0.1				
Pacific.....	( <sup>1</sup> )	1.6	( <sup>1</sup> )	1.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.9	8.1	0.1	0.1	4.4	0.8	1.3	2.4	2.2	1.2	0.9	1.1	4.4	0.1					
The North.....	0.1	0.2	0.2	0.2	0.2	0.1	( <sup>1</sup> )	0.1	7.5	3.9	0.1	3.5	0.9	0.4	3.3	2.4	0.6	( <sup>1</sup> )	0.3	( <sup>1</sup> )	2.8	0.1				
The South.....	0.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	0.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	7.5	1.3	1.6	4.6	0.8	0.2	1.6	1.7	0.4	0.1	0.1	0.1	4.9	0.1				
The West.....	( <sup>1</sup> )	( <sup>1</sup> )	3.2	( <sup>1</sup> )	1.2	( <sup>1</sup> )	( <sup>1</sup> )	1.2	4.8	4.2	0.1	0.7	0.7	0.9	15.5	1.6	1.0	0.1	0.1	0.1	7.7	0.1				
East of the Mississippi.	0.2	0.2	0.2	0.2	0.2	0.1	( <sup>1</sup> )	0.1	9.9	3.8	0.9	5.2	1.0	0.4	4.2	2.9	0.7	0.3	0.3	( <sup>1</sup> )	4.8	0.1				
West of the Mississippi.	0.8	0.2	0.6	( <sup>1</sup> )	0.4	0.1	( <sup>1</sup> )	0.2	4.9	0.3	0.3	2.4	0.3	0.4	3.9	2.1	0.4	0.1	0.5	0.2	2.1	0.1				

<sup>1</sup> Includes small amounts of grains and seeds of secondary importance.<sup>2</sup> Crops without acreage reports.<sup>3</sup> Less than one-tenth of 1 per cent.<sup>4</sup> Includes small amounts of minor crops of secondary importance.

## PERCENTAGE OF IMPROVED FARM ACREAGE IN INDIVIDUAL CROPS, BY DIVISIONS AND SECTIONS: 1909.

Table 7	DIVISION OR SECTION.	Im-proved farm land.	Crops with acreage reports.	All cereals. <sup>1</sup>	OTHER GRAINS AND SEEDS WITH ACREAGE REPORTS.					Hay and forage.	Tobacco.	Cotton.	SUGAR CROPS WITH ACREAGE REPORTS.				SUNDRY MINOR CROPS WITH ACREAGE REPORTS.		VEGETABLES.				
					Total. <sup>2</sup>	Dry edible beans.	Dry peas.	Peanuts.	Flaxseed.				Total.	Sugar beets.	Sorghum cane.	Sugar cane.	Total. <sup>3</sup>	Broom corn.	Total.	Potatoes.	Sweet potatoes and yams.	All other.	Small fruits.
United States.....	100.0	65.1	40.0	1.1	0.2	0.3	0.2	0.4	15.1	0.3	6.7	0.3	0.1	0.1	0.1	0.1	0.1	1.5	0.6	0.1	0.6	0.1	0.2
New England.....	100.0	64.0	6.5	0.2	0.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	52.3	0.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	4.6	3.2	( <sup>1</sup> )	1.4	0.2	
Middle Atlantic.....	100.0	59.1	25.3	0.4	0.4	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	29.1	0.2	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	3.8	2.5	0.1	1.2	0.2	
East North Central.....	100.0	67.2	47.6	0.7	0.5	0.3	( <sup>1</sup> )	( <sup>1</sup> )	16.6	0.2	( <sup>1</sup> )	( <sup>1</sup> )	0.2	0.1	( <sup>1</sup> )	( <sup>1</sup> )	0.1	1.8	1.2	( <sup>1</sup> )	0.6	0.1	
West North Central.....	100.0	64.8	51.0	1.3	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	16.7	( <sup>1</sup> )	1.2	( <sup>1</sup> )	0.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	0.7	0.5	( <sup>1</sup> )	0.2	( <sup>1</sup> )	
South Atlantic.....	100.0	62.5	31.5	2.8	0.1	1.4	1.3	( <sup>1</sup> )	5.9	1.0	18.6	0.2	( <sup>1</sup> )	( <sup>1</sup> )	0.1	0.1	( <sup>1</sup> )	2.3	0.5	0.6	1.2	0.1	
East South Central.....	100.0	58.7	30.9	0.8	( <sup>1</sup> )	0.5	0.3	( <sup>1</sup> )	5.7	1.3	18.0	0.5	( <sup>1</sup> )	0.3	0.1	( <sup>1</sup> )	( <sup>1</sup> )	1.4	0.3	0.4	0.8	( <sup>1</sup> )	
West South Central.....	100.0	67.4	33.4	0.4	( <sup>1</sup> )	0.2	0.2	( <sup>1</sup> )	5.6	( <sup>1</sup> )	25.3	0.8	( <sup>1</sup> )	0.2	0.6	( <sup>1</sup> )	0.4	0.4	0.9	0.2	0.2	0.5	( <sup>1</sup> )
Mountain.....	100.0	55.7	21.1	0.6	0.2	0.2	( <sup>1</sup> )	( <sup>1</sup> )	31.2	( <sup>1</sup> )	( <sup>1</sup> )	1.1	1.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	0.1	1.5	1.1	( <sup>1</sup> )	0.5	( <sup>1</sup> )	
Pacific.....	100.0	48.3	26.3	0.8	0.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	19.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	0.4	0.4	( <sup>1</sup> )	( <sup>1</sup> )	0.2	1.1	0.8	( <sup>1</sup> )	0.6	0.1	
The North.....	100.0	67.8	46.2	1.0	0.2	0.1	( <sup>1</sup> )	0.7	18.8	0.1	( <sup>1</sup> )	( <sup>1</sup> )	0.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	1.5	1.0	( <sup>1</sup> )	0.5	0.1	
The South.....	100.0	63.3	32.1	1.3	( <sup>1</sup> )	0.7	0.6	( <sup>1</sup> )	15.3	0.7	21.2	0.5	( <sup>1</sup> )	0.2	0.3	( <sup>1</sup> )	0.2	1.5	0.3	0.4	0.8	0.1	
The West.....	100.0	51.4	24.1	0.7	0.5	0.1	( <sup>1</sup> )	0.1	24.2	( <sup>1</sup> )	( <sup>1</sup> )	0.7	0.7	( <sup>1</sup> )	( <sup>1</sup> )	0.1	0.1	1.4	0.9	( <sup>1</sup> )	0.5	0.1	
East of Mississippi.....	100.0	63.2	36.3	1.1	0.3	0.5	0.4	( <sup>1</sup> )	14.9	0.6	( <sup>1</sup> )	7.8	0.2	0.1	0.1	0.1	( <sup>1</sup> )	2.2	1.1	0.2	0.9	0.1	
West of Mississippi.....	100.0	66.6	43.1	1.0	0.1	0.1	( <sup>1</sup> )	0.8	15.3	0.3	( <sup>1</sup> )	5.8	0.3	0.1	0.1	0.1	0.1	0.1	0.5	0.1	0.3	( <sup>1</sup> )	

Vegetables, including potatoes and sweet potatoes and yams, are of considerable importance in every geographic division, but particularly in the New England and Middle Atlantic divisions. Fruits and nuts contributed 21.4 per cent of the total value of crops in the Pacific division in 1909, and in the New England and Middle Atlantic divisions these crops were also relatively important, as were likewise flowers and plants, nursery products, and forest products.

Tobacco contributes a considerable proportion of the value of crops in the New England, South Atlantic, and East South Central divisions; and the sugar crops are of considerable importance in the West South Central division. Most of the other crops are of little relative significance in any division of the country.

The relative importance of the leading crops in each division and section from the standpoint of acreage is indicated by Table 7.

The distribution of acreage among the several crops in general conforms more or less closely to the distribution of the total value, so that little additional comment is necessary.

In most of the geographic divisions the cereals, hay and forage, and cotton together occupy nine-tenths or more of the total acreage of crops with acreage reports. No other crop or group of crops approaches these in importance as judged by acreage, in any division. Table 8 shows for individual states, by percentages, the relative importance of the principal crops from the standpoint of value and acreage.

Table 8

STATE.	Cereals.														Cereals.														
	Value of all crops.	Crops with acreage reports.	Cereals.						Hay and forage.	Cotton (including cotton seed).	Tobacco.	All vegetables.	Fruits and nuts.	Forest products.	All other crops.	Improved farm land.	Crops with acreage reports.	Cereals.											
			Total.	Corn.	Oats.	Wheat.	Hay and forage.	Cotton.										Tobacco.	All vegetables.	All other crops with acreage reports.	Total.	Corn.	Oats.	Wheat.	Hay and forage.	Cotton.	Tobacco.	All vegetables.	All other crops with acreage reports.
United States.....	100.0	92.5	48.6	26.2	7.6	12.0	15.0	15.0	1.9	7.6	4.0	3.6	4.2	100.0	65.1	40.0	20.6	7.3	9.3	15.1	6.7	0.3	1.5	1.5					
NEW ENGLAND:																													
Maine.....	100.0	80.0	7.9	1.1	5.8	0.2	38.4	( )	( )	31.5	6.2	14.2	1.8	100.0	67.3	6.8	0.6	5.1	0.1	53.2	( )	( )	6.8	0.5					
New Hampshire.....	100.0	71.6	5.5	3.9	1.4	( )	49.1	( )	0.1	14.2	5.3	22.6	3.2	100.0	63.8	3.5	2.1	1.2	( )	57.0	( )	( )	2.8	0.4					
Vermont.....	100.0	79.7	9.7	4.0	4.3	0.1	59.5	( )	0.1	9.5	3.3	13.3	4.7	100.0	73.7	8.2	2.6	4.4	( )	63.1	( )	( )	2.2	0.2					
Massachusetts.....	100.0	84.7	5.1	4.3	0.5	( )	35.3	( )	3.7	25.6	11.8	8.4	10.9	100.0	56.2	4.7	3.6	0.7	( )	44.6	( )	0.5	5.3	1.1					
Rhode Island.....	100.0	86.6	9.6	8.5	0.7	( )	33.3	( )	( )	26.5	6.4	7.9	16.3	100.0	47.2	6.8	5.4	1.0	( )	34.4	( )	5.6	0.5	0.5					
Connecticut.....	100.0	85.2	9.1	7.5	0.7	0.1	32.1	( )	19.6	17.1	7.5	8.3	6.2	100.0	54.1	7.5	5.3	1.0	0.1	40.6	( )	1.6	4.1	0.3					
MIDDLE ATLANTIC:																													
New York.....	100.0	83.4	20.6	5.5	8.6	3.4	37.0	( )	0.2	17.4	11.9	5.0	8.0	100.0	55.5	17.5	3.5	8.8	1.9	34.0	( )	( )	3.8	1.1					
New Jersey.....	100.0	91.7	24.3	16.5	1.8	3.9	18.9	( )	( )	34.9	10.1	1.9	9.9	100.0	61.8	27.9	14.7	4.0	4.6	22.3	( )	( )	10.1	1.6					
Pennsylvania.....	100.0	88.7	42.2	16.4	8.6	13.7	27.4	( )	2.4	13.3	6.5	4.8	3.6	100.0	61.8	34.1	10.9	9.0	9.7	24.1	( )	0.3	2.8	0.1					
EAST NORTH CENTRAL:																													
Ohio.....	100.0	93.5	59.9	35.7	10.1	13.5	18.4	( )	3.9	9.1	3.4	2.5	2.9	100.0	59.9	39.8	20.4	9.3	9.5	17.2	( )	0.6	1.8	0.2					
Indiana.....	100.0	94.7	74.4	48.2	9.3	16.5	12.2	( )	1.1	5.6	2.3	2.7	1.8	100.0	66.9	51.7	28.9	9.9	12.3	13.6	( )	0.1	1.3	0.2					
Illinois.....	100.0	94.4	73.9	53.3	16.0	10.2	10.9	( )	( )	4.4	1.5	0.9	2.4	100.0	72.3	59.0	35.8	14.9	7.8	19.9	( )	0.1	1.6	0.3					
Michigan.....	100.0	87.6	43.5	18.3	11.4	10.2	22.2	( )	( )	10.0	7.8	4.9	11.5	100.0	63.9	34.4	12.4	11.1	6.3	21.2	( )	( )	3.6	4.8					
Wisconsin.....	100.0	90.9	49.3	17.3	19.3	1.7	27.5	( )	2.6	8.4	2.0	6.4	3.7	100.0	71.8	41.6	12.2	1.2	2.5	29.9	( )	0.3	3.0	1.0					
WEST NORTH CENTRAL:																													
Minnesota.....	100.0	96.1	72.8	15.8	17.6	29.0	13.8	( )	( )	5.7	0.7	2.7	4.3	100.0	75.0	51.6	10.2	15.2	16.7	20.1	( )	( )	1.4	1.9					
Iowa.....	100.0	96.8	73.2	53.3	15.6	2.4	18.9	( )	( )	3.8	1.8	1.2	1.2	100.0	69.1	51.0	31.3	15.8	1.8	17.1	( )	( )	0.9	0.1					
Missouri.....	100.0	92.6	67.1	43.6	4.6	13.3	1.8	( )	0.3	6.0	4.0	3.8	1.6	100.0	58.3	41.7	28.9	4.4	8.2	14.8	0.4	( )	1.0	0.5					
North Dakota.....	100.0	99.8	82.6	1.3	13.3	60.4	6.8	( )	( )	1.7	( )	0.1	8.7	100.0	77.7	58.1	19.9	10.5	40.9	14.0	( )	( )	0.3	5.2					
South Dakota.....	100.0	92.1	78.8	21.0	1.8	34.2	12.1	( )	( )	2.4	0.2	0.2	6.2	100.0	72.2	51.8	12.9	9.8	20.3	21.7	( )	( )	1.6	0.3					
Nebraska.....	100.0	98.3	78.3	45.9	9.9	22.5	16.2	( )	( )	3.0	1.1	0.4	0.9	100.0	70.7	51.4	29.8	9.7	10.9	18.5	( )	( )	0.6	0.1					
Kansas.....	100.0	98.4	78.7	37.6	4.5	34.5	14.9	( )	( )	3.2	0.7	0.6	1.8	100.0	66.5	52.3	27.1	3.1	20.0	13.2	( )	( )	0.4	0.6					
SOUTH ATLANTIC:																													
Delaware.....	100.0	93.1	51.4	31.8	0.6	18.6	12.9	( )	( )	20.1	9.8	3.8	2.0	100.0	61.5	43.3	26.5	0.6	15.6	11.3	( )	( )	5.3	1.5					
Maryland.....	100.0	90.4	49.9	25.1	1.3	22.5	13.7	( )	3.3	18.2	6.4	5.3	3.2	100.0	57.6	36.6	19.3	1.3	17.6	11.9	( )	0.8	4.6	0.7					
District of Columbia.....	100.0	99.2	1.8	1.8	( )	( )	4.7	( )	( )	36.8	1.1	( )	55.6	100.0	58.1	8.8	8.3	0.3	( )	18.7	( )	( )	23.6	4.9					
Virginia.....	100.0	86.0	39.8	28.7	1.6	8.7	10.2	( )	12.1	17.2	4.4	10.1	5.4	100.0	43.1	28.8	18.8	2.1	7.0	7.8	0.3	1.9	2.0	1.8					
West Virginia.....	100.0	82.0	39.6	29.5	2.3	6.7	18.6	( )	4.8	17.3	8.3	9.9	1.6	100.0	33.9	18.8	12.2	1.9	3.8	12.8	( )	0.3	1.6	0.4					
North Carolina.....	100.0	89.5	26.5	21.9	1.2	3.1	3.3	35.3	9.7	8.8	3.1	8.0	5.2	100.0	56.1	36.9	27.9	2.6	5.7	4.3	14.5	2.5	2.4	4.6					
South Carolina.....	100.0	96.0	17.9	14.6	2.7	0.3	2.2	67.9	1.5	4.9	0.9	3.2	1.5	100.0	84.5	32.1	25.7	5.3	0.7	3.4	41.9	0.5	1.8	4.8					
Georgia.....	100.0	94.6	18.7	16.4	1.9	0.4	1.8	66.2	0.1	4.7	1.4	3.9	3.1	100.0	78.6	31.8	27.5	3.3	0.8	2.1	39.7	( )	1.3	3.6					
Florida.....	100.0	72.9	17.1	15.8	1.2	( )	2.3	15.2	2.8	23.2	21.3	6.6	11.4	100.0	67.7	36.0	33.6	2.4	( )	3.0	14.6	0.2	4.9	9.0					
EAST SOUTH CENTRAL:																													
Kentucky.....	100.0	90.0	43.7	36.3	0.9	6.3	7.4	0.2	28.7	8.5	3.6	5.6	2.2	100.0	42.1	30.1	23.9	1.2	4.7	6.7	0.1	3.3	1.3	0.7					
Tennessee.....	100.0	89.9	45.8	38.0	2.0	5.7	10.5	17.1	4.7	8.6	3.7	7.1	2.5	100.0	48.1	30.0	28.9	3.1	5.7	9.7	7.2	0.8	1.5	1.2					
Alabama.....	100.0	92.1	31.4	19.9	1.5	0.1	2.3	60.3	( )	6.4	1.5	4.4	3.2	100.0	74.3	29.3	36.8	2.7	0.1	1.6	( )	( )	1.6	0.3					
Mississippi.....	100.0	94.4	18.2	17.7	0.6	( )	2.3	65.4	( )	6.4	1.1	4.5	2.0	100.0	68.4	25.2	24.1	1.1	( )	2.5	37.7	( )	1.4	1.5					
WEST SOUTH CENTRAL:																													
Arkansas.....	100.0	91.6	26.2	23.4	1.4	0.4	4.1	52.9	( )	6.4	3.1	5.8	1.5	100.0	66.6	31.8	28.2	2.4	0.7	5.4	26.7	( )	1.4	1.4					
Louisiana.....	100.0	94.2	32.6	33.3	0.3	( )	3.1	26.2	0.1	3.7	1.0	4.6	24.2	100.0	68.0	35.7	30.2	0.6	( )	3.4	18.1	( )	2.2	7.5					
Oklahoma.....	100.0	97.8	53.8	36.0	5.4	10.4	7.2	30.9	( )	3.2	1.0	1.2	2.8	100.0	67.9	47.0	33.7	3.5	6.7	7.7	11.3	( )	0.5	1.5					
Texas.....	100.0	96.4	22.5	17.0	1.2	1.0	4.3	63.3	( )	4.1	0.8	3.0	2.1	100.0	67.2	24.5	18.8	1.6	1.2	4.8	36.3	( )	0.7	0.8					
MOUNTAIN:																													
Montana.....	100.0	95.8	41.6	0.6	20.7	17.9	41.5	( )	( )	7.5	2.3	1.8	5.6	100.0	50.8	17.5	0.3	9.2	7.1	31.2	( )	( )	0.8	1.3					
Idaho.....	100.0	93.2	46.6	0.6	14.7	24.5	35.2	( )	( )	7.5	3.2	3.7	3.7	100.0	59.0	10.5	0.3	10.9	14.4	26.4	( )	( )	1.4	0.7					
Wyoming.....	100.0	97.7	27.4	1.0	18.2	6.4	60.6	( )	( )	8.5	0.5	1.0	1.9	100.0	62.6	34.9	0.7	9.9	3.3	46.6	( )	( )	0.9	0.2					
Colorado.....	100.0	89.9	29.0	5.2	8.2	12.7	33.9	( )	( )	11.0	10.0	6.6	14.6	100.0	60.8	24.6	7.6	6.4	7.9	29.9	( )	( )	2.7	3.6					
New Mexico.....	100.0	90.5	26.7	11.0	5.1	5.7	30.1	0.2	( )	9.2	6.1	2.8	4.9	100.0	45.1	14.9	5.9	2.3	2.2	25.1	0.1	( )	1.0	2.1					
Arizona.....	100.0	90.2	28.5	3.3	2.4	7.5	46.4	( )	( )	9.2	6.3	0.8	8.6	100.0	54.5	21.5	4.5	1.7	5.7	29.3	( )	( )	1.6	2.2					
Utah.....	100.0	94.6	33.0	0.7	9.0	20.4	40.2	( )	( )	8.6	4.8	( )	13.4	100.0	55.2	21.8	0.5	5.9	13.0	29.6	( )	( )							
Nevada.....	100.0	97.6	15.6	0.4	3.2	6.7	70.7	( )	( )	11.2	1.7	0.7	0.1	100.0	52.2	4.6	0.1	1.0	1.9	48.6	( )	( )	0.9	( )					
PACIFIC:																													
Washington.....	100.0	89.7	56.7	0.5	7.4	44.5	21.7	( )	7.6	6.7	4.8	2.5	100.0	53.8	40.7	0.4	4.2	33.2	11.6	( )	( )	1.3	0.2						
Oregon.....	100.0	86.2	36.4	0.6	10.3	22.1	31.0	( )	7.9	8.3	5.9	9.0	100.0	53.4	29.1	0.4	7.9	17.9	22.2	( )	( )	1.6	0.7						
California.....	100.0	65.6	18.3	0.7	1.7	4.1	27.6	( )	( )	9.3	3.3	1.9	11.2	100.0	43.2	17.3	0.5	1.7	4.2	22.0	( )	( )	1.3	2.4					

the improved farm land and of the total acreage of crops with acreage reports is also shown. In this table the combined cereals are treated as a unit; the corresponding distribution of the individual cereals among the divisions and sections is shown in Table 19.

Several of the most important crops, including the cereals as a group, hay and forage, potatoes, miscellaneous vegetables, small fruits, flowers and plants, and nursery products, are very widely distributed over the country.

The distribution of the cereal acreage corresponds more closely to the distribution of the total acreage of improved farm land than does that of any other class of crops, but the East and West North Central divisions report somewhat larger percentages of the cereal acreage than of the improved farm land. Few of the remaining crops are very widely distributed. Several crops—cotton, sugar cane, sweet potatoes and yams, and nursery products—are largely concentrated in the southern divisions.

Table 9

PER CENT OF TOTAL ACREAGE: 1909

DIVISION OR SECTION.	Improved farm land.	Crops with acreage reports.										Other grains and seeds with acreage reports.					Hay and forage.	Tobacco.	Cotton.	Sugar crops with acreage reports.				Sun-dry minor crops with acreage reports.				Vegetables.					Flowers and plants.							
		All cereals.										Dry edible beans.								Dry peas.	Peanuts.	Flaxseed.	Total.	Sugar beets.	Sorghum cane.	Sugar cane.	Broom corn.	Hemp.	Hops.	Total.	Potatoes.	Sweet potatoes and yams.	Other vegetables.	Small fruits.	Flowers and plants.	Nursery products.				
		All cereals.	Dry edible beans.	Dry peas.	Peanuts.	Flaxseed.	Total.	Sugar beets.	Sorghum cane.	Sugar cane.	Broom corn.	Hemp.	Hops.	Total.	Potatoes.	Sweet potatoes and yams.																					Other vegetables.	Small fruits.	Flowers and plants.	Nursery products.
United States.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0						
New England.....	1.5	1.5	0.2	2.1	0.1	(1)	5.3	1.7	.....	(1)	11.8	3.5	.....	(1)	0.1	0.4	0.1	.....	(1)	0.2	.....	4.7	6.4	(1)	3.7	5.1	12.5	3.3	.....	.....	.....	.....	.....	.....						
Middle Atlantic.....	6.1	5.6	3.9	14.6	0.3	(1)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26.9	15.7	19.9	3.7	12.9	20.3	35.3	17.0	.....	.....	.....	.....	.....	.....						
East North Central.....	18.6	19.2	22.1	52.6	17.4	(1)	0.5	20.4	13.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	23.2	30.1	2.1	18.8	20.9	21.1	17.4	.....	.....	.....	.....	.....	.....	.....						
West North Central.....	34.3	36.8	43.7	1.1	2.1	(1)	97.4	37.9	0.4	0.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.5	21.4	2.4	13.4	13.1	6.5	20.6	.....	.....	.....	.....	.....	.....	.....						
South Atlantic.....	10.1	9.7	8.0	3.2	51.2	72.9	(1)	0.4	37.6	28.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.4	0.2	(1)	16.0	6.5	46.1	21.6	16.7	8.1	12.4	.....	.....	.....	.....						
East South Central.....	9.2	8.3	7.1	2.3	15.6	15.4	(1)	3.4	43.3	24.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15.3	1.1	34.0	10.9	0.6	89.6	(1)	8.9	3.3	25.1	12.5	7.0	3.5	10.1						
West South Central.....	12.2	12.6	10.2	0.4	10.6	11.6	(1)	4.5	6.1	46.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	37.6	0.2	26.0	77.0	69.4	0.5	.....	7.3	3.2	19.7	9.9	7.1	3.4	7.1						
Mountain.....	3.3	2.8	1.8	3.8	2.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....						
Pacific.....	4.6	3.4	3.0	19.8	0.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....						
The North.....	60.6	63.1	70.0	70.4	19.9	0.1	97.9	75.4	18.9	0.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	26.4	4.9	27.0	60.1	77.7	8.2	48.7	59.3	75.5	58.0	.....	.....	.....	.....	.....					
The South.....	31.5	30.6	25.3	6.0	77.4	99.9	0.1	11.9	81.1	99.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70.1	90.2	0.1	32.2	13.0	90.9	44.0	30.8	15.1	29.6	.....	.....	.....	.....	.....					
The West.....	7.9	6.3	4.8	23.6	2.7	(1)	2.0	12.7	(1)	(1)	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19.9	68.0	1.7	(1)	7.7	9.3	0.9	7.3	9.9	9.4	12.5	.....	.....	.....	.....					
East of the Mississippi.....	45.6	44.3	41.3	74.8	84.5	88.3	0.5	44.9	99.4	52.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.8	28.1	56.0	22.9	12.6	94.3	37.1	68.4	66.2	77.0	69.4	69.9	80.7	59.8						
West of the Mississippi.....	54.4	55.7	58.7	25.2	15.5	11.7	99.5	55.1	0.6	47.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	64.2	71.9	44.0	77.1	87.4	5.7	72.9	31.6	33.8	23.0	30.6	30.1	19.3	40.2						

<sup>1</sup> Less than one-tenth of 1 per cent.

The distribution among the geographic divisions and sections of the value of those crops of any importance for which there were no reports of acreage is shown in Table 10. For comparison, the distribution of the value of all crops and of the value of crops with acreage reports is shown.

Table 10

PER CENT OF TOTAL VALUE: 1909

DIVISION OR SECTION.	All crops.	Crops with acreage reports.	Crops with no acreage reports.													
			Total.													
			Seeds.	Maple sugar and sirup.	Orchard fruits.	Grapes.	Tropical fruits.	Nuts.	Forest products.	.....	.....	.....	.....	.....	.....	.....
United States.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New England.....	2.6	12.3	6.5	0.3	27.2	5.2	0.5	(1)	0.5	9.0	.....	.....	.....	.....	.....	.....
Middle Atlantic.....	7.6	7.1	13.8	2.3	33.1	23.3	22.5	(1)	3.9	9.8	.....	.....	.....	.....	.....	.....
East North Central.....	20.4	20.7	16.7	40.4	36.8	17.3	14.2	(1)	1.7	15.5	.....	.....	.....	.....	.....	.....
West North Central.....	26.4	27.7	10.2	36.5	0.9	10.5	5.3	(1)	2.2	10.2	.....	.....	.....	.....	.....	.....
South Atlantic.....	13.5	13.3	16.7	1.3	1.8	11.2	4.1	29.3	4.7	22.5	.....	.....	.....	.....	.....	.....
East South Central.....	10.0	10.1	3.9	0.2	7.9	1.6	6.8	3.6	15.0	.....	.....	.....	.....	.....	.....	.....
West South Central.....	11.5	11.8	6.8	1.6	(1)	3.8	1.4	1.8	16.3	10.8	.....	.....	.....	.....	.....	.....
Mountain.....	3.0	3.0	2.8	0.4	(1)	5.4	0.6	0.3	0.2	1.3	.....	.....	.....	.....	.....	.....
Pacific.....	5.1	4.2	16.4	7.4	(1)	18.4	49.9	67.8	66.9	4.9	.....	.....	.....	.....	.....	.....
The North.....	56.9	57.7	47.2	79.4	98.0	53.3	42.4	(1)	8.3	45.5	.....	.....	.....	.....	.....	.....
The South.....	35.0	35.1	33.6	6.8	2.0	22.8	7.1	31.9	24.6	48.3	.....	.....	.....	.....	.....	.....
The West.....	8.1	7.2	49.2	13.8	(1)	23.9	50.5	68.1	67.1	6.2	.....	.....	.....	.....	.....	.....
East of the Mississippi.....	54.1	53.3	63.8	48.2	99.0	61.9	42.9	30.1	14.4	72.8	.....	.....	.....	.....	.....	.....
West of the Mississippi.....	45.9	46.7	36.2	51.8	1.0	38.1	57.1	69.9	85.6	47.2	.....	.....	.....	.....	.....	.....

<sup>1</sup> Less than one-tenth of 1 per cent.

The geographic distribution of the value of crops with no acreage reports is very different from that of crops with acreage reports. Whereas the Pacific divi-

sion reported only 4.2 per cent of the value of crops with acreage reports and 4.6 per cent of the improved farm land, that division reported 16.4 per cent of the value of crops with no acreage reports. This is largely due to the concentration of the production of fruits and nuts on the Pacific coast. The West North Central division reported 27.7 per cent of the value for the crops with acreage reports, but only 10.3 per cent for the crops with no acreage reports.

**Acreage and value of all crops, by states: 1909 and 1899.**—Table 11 presents by states, for 1909 and 1899, the acreage and value of all crops with acreage reports and the value of all crops, including those without acreage reports.

The map on page 371 shows the distribution of the value of all farm crops among the states.

It will be seen that, as judged by the total value of all crops, Illinois was in 1909 the leading agricultural state, followed by Iowa, Texas, Ohio, Georgia, Missouri, Kansas, New York, and Indiana, each reporting more than \$200,000,000. The first four states named occupied the same rank in 1899, but Georgia ranked only fifteenth among the states in that year.

With respect to the progress made by these leading states from 1899 to 1909, it may be noted that only in Georgia and Kansas did the rate of increase for the total value of all crops exceed that for the United

States as a whole. Moreover, these two states, together with Texas, are the only ones in the group which report any considerable extension of the acreage of crops with acreage reports. In Indiana the acreage of such crops was 1.8 per cent higher than in 1899, but Illinois, Iowa, Missouri, Ohio, and New York all report a decrease in acreage.

During the period 1899 to 1909 the most conspicuous relative advances in the value of all crops took place in the states of Idaho, Washington, North Dakota, Wyoming, Oklahoma, and Colorado, in each of which the crops of 1909 were more than three times as valuable as those of 1899. Except in North Dakota and Oklahoma, these high rates of increase represent comparatively small absolute increases.

The greatest absolute increase in the value of all crops occurred in Illinois, where it amounted to

\$157,000,000. Other states in which the absolute increase exceeded \$100,000,000 were Georgia, Texas, North Dakota, Iowa, Nebraska, and Kansas.

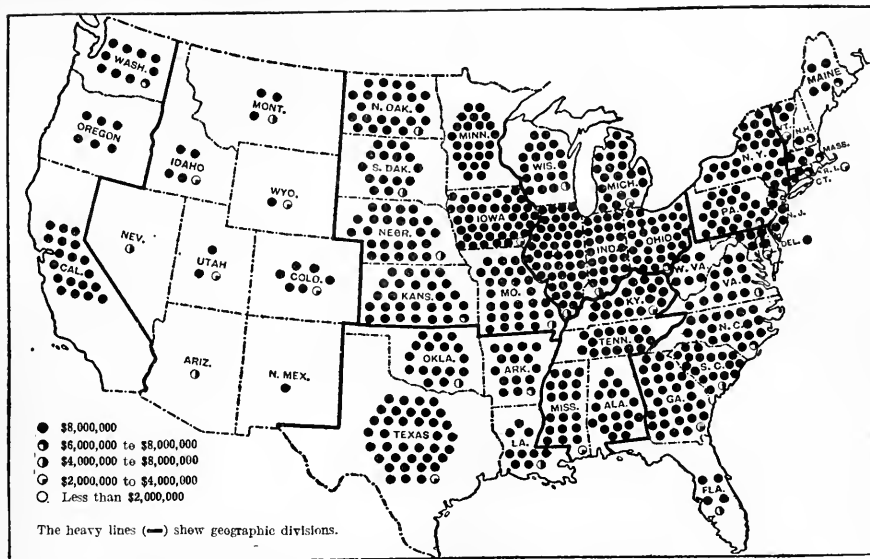
During the decade there was an increase of over 1,000,000 acres in land devoted to crops in each of the following states: North Dakota, Oklahoma, South Dakota, Texas, Nebraska, Kansas, Washington, Georgia, and Colorado. New Mexico reported the highest percentage of gain, 222.8, followed by North Dakota, Oklahoma, Wyoming, Washington, and Idaho. In Iowa and California the loss in acreage reported was over one and one-half million, and in New York and Pennsylvania it exceeded half a million. Besides these four states fourteen others had less land in crops in 1909 than in 1899, the relative decrease being greatest in California, followed by New Hampshire, Connecticut, and Massachusetts.

### ALL FARM CROPS—ACREAGE AND VALUE, BY STATES: 1909 AND 1899.

STATE.	ACREAGE OF CROPS WITH ACREAGE REPORTS.				VALUE OF CROPS WITH ACREAGE REPORTS.				VALUE OF ALL CROPS.			
	1909	1899	Increase. <sup>1</sup>		1909	1899	Increase. <sup>1</sup>		1909	1899	Increase. <sup>1</sup>	
			Amount.	Per cent.			Amount.	Per cent.			Amount.	Per cent.
<b>NEW ENGLAND:</b>												
Maine.....	1,588,065	1,543,277	44,788	2.9	\$31,440,942	\$18,432,041	\$13,008,901	70.6	\$39,317,647	\$21,954,054	\$17,363,593	79.1
New Hampshire.....	580,093	688,107	-108,014	-18.8	11,441,698	9,133,332	2,288,366	25.0	15,975,175	12,272,232	3,702,943	30.2
Vermont.....	1,203,795	1,203,513	282	(2)	21,877,448	14,963,548	6,883,900	45.9	27,446,836	18,170,279	9,276,557	51.1
Massachusetts.....	654,844	735,134	-80,290	-10.9	27,022,435	19,803,681	7,168,554	36.0	31,948,065	23,157,544	8,790,521	38.0
Rhode Island.....	84,207	92,415	-8,208	-8.9	3,410,442	2,679,676	730,766	27.3	3,937,077	3,040,521	896,556	29.5
Connecticut.....	534,846	604,557	-69,711	-11.4	19,166,472	14,227,780	4,938,690	34.7	22,487,999	16,625,589	5,862,410	35.3
<b>MIDDLE ATLANTIC:</b>												
New York.....	8,387,731	9,041,199	-653,468	-7.2	174,475,689	127,872,299	46,603,390	36.4	209,168,236	149,918,353	59,249,883	39.5
New Jersey.....	1,114,903	1,212,772	-97,869	-8.1	37,003,915	24,615,536	12,388,379	50.3	40,340,491	27,916,411	12,423,650	44.5
Pennsylvania.....	7,826,562	8,365,475	-538,913	-6.4	147,455,288	111,293,636	36,721,632	33.0	166,739,808	126,994,141	39,745,737	31.3
<b>E. NORTH CENTRAL:</b>												
Ohio.....	11,431,610	11,611,165	-182,555	-1.6	215,250,975	141,943,986	73,306,989	51.6	230,337,981	156,832,358	73,485,623	46.9
Indiana.....	11,331,365	11,134,726	196,639	1.8	193,385,392	111,736,411	81,658,981	73.1	204,208,912	127,502,578	76,706,334	60.7
Illinois.....	20,723,916	20,519,634	204,282	1.2	344,444,851	207,355,825	135,109,126	74.8	372,270,470	214,832,705	157,437,764	73.3
Michigan.....	8,198,578	7,741,175	457,403	5.9	141,976,000	80,455,649	61,520,351	76.5	162,004,681	92,625,715	69,378,966	74.9
Wisconsin.....	8,555,080	8,214,711	340,369	4.1	134,901,875	81,263,632	53,638,243	66.0	149,339,216	88,142,349	60,216,867	68.3
<b>W. NORTH CENTRAL:</b>												
Minnesota.....	14,731,464	15,119,570	-388,106	-2.6	185,829,198	112,420,730	73,411,468	65.3	193,451,474	115,694,937	77,756,537	67.2
Iowa.....	20,374,925	21,985,377	-1,610,452	-7.3	304,491,033	189,013,639	115,477,394	61.1	314,666,298	195,532,547	119,133,751	60.9
Missouri.....	14,358,588	14,331,177	27,411	0.2	204,286,256	113,239,900	91,046,356	80.4	220,663,794	121,435,026	99,208,698	81.7
North Dakota.....	15,888,756	7,821,705	8,067,051	103.1	130,479,872	53,911,419	76,568,453	142.1	180,635,520	54,000,817	126,594,703	234.3
South Dakota.....	12,229,772	8,845,963	3,383,807	38.3	124,404,789	44,002,846	80,399,943	182.7	125,507,249	44,175,615	81,331,634	184.1
Nebraska.....	17,231,205	15,044,428	2,186,777	14.5	192,741,701	91,139,037	101,602,673	111.5	196,125,632	92,469,336	103,656,300	112.1
Kansas.....	19,900,750	18,077,488	1,823,262	10.1	211,445,723	100,290,785	111,154,938	91.7	212,891,957	113,522,693	99,369,264	88.3
<b>SOUTH ATLANTIC:</b>												
Delaware.....	438,522	437,168	1,354	0.3	8,489,539	5,713,085	2,776,454	48.6	9,121,809	6,275,360	2,846,449	45.4
Maryland.....	1,931,972	1,940,093	-8,121	-0.4	39,690,648	27,655,785	12,034,863	43.5	40,921,149	30,216,969	10,704,180	45.4
Dist. of Columbia.....	2,982	3,396	-414	-12.2	541,996	667,834	-125,838	-18.8	546,479	669,209	-122,730	-18.3
Virginia.....	4,256,226	4,345,537	-89,311	-2.1	86,434,239	52,100,608	34,333,631	65.9	100,531,157	58,701,742	41,829,415	71.3
West Virginia.....	1,874,382	1,992,493	-118,111	-5.9	33,120,633	20,805,107	12,315,526	59.2	40,477,776	25,696,189	14,781,587	57.1
North Carolina.....	5,737,037	5,609,144	127,893	2.3	127,823,068	62,225,162	65,597,906	105.4	142,804,192	68,624,912	74,259,280	108.2
South Carolina.....	5,152,845	4,722,131	430,694	9.1	136,313,422	79,699,879	56,613,543	140.8	141,983,354	58,800,413	83,092,941	141.1
Florida.....	9,062,383	8,207,290	855,093	10.4	214,463,257	82,450,615	132,012,642	160.1	226,395,846	86,345,343	140,050,503	162.4
Texas.....	1,223,078	1,019,968	203,110	19.9	26,350,280	11,645,066	14,705,214	126.3	36,141,894	19,498,580	16,643,314	107.8
<b>E. SOUTH CENTRAL:</b>												
Kentucky.....	6,046,819	6,319,926	-303,107	-4.8	125,880,988	72,505,538	53,375,450	73.6	138,973,107	78,962,845	60,010,262	76.0
Tennessee.....	6,365,143	6,680,594	-315,451	-4.7	108,617,537	63,943,934	44,673,603	69.7	120,706,211	70,745,242	49,960,969	70.6
Alabama.....	7,205,239	7,014,786	190,453	2.7	70,119,129	45,823,949	24,295,180	63.9	74,282,947	43,100,720	31,182,227	97.1
Mississippi.....	6,158,719	5,570,380	588,339	10.6	139,126,139	81,358,341	57,767,798	71.0	147,515,612	81,838,776	65,676,835	73.5
<b>W. SOUTH CENTRAL:</b>												
Arkansas.....	5,376,484	5,017,894	358,590	7.1	109,332,380	55,431,909	53,900,471	97.2	119,419,025	50,272,212	69,146,813	101.5
Louisiana.....	3,286,338	3,408,944	-122,606	-3.6	73,002,608	60,959,969	12,042,639	19.8	77,336,143	62,654,544	14,681,600	23.4
Oklahoma.....	11,921,670	6,317,711	5,603,959	88.7	130,602,155	87,728,897	42,873,258	205.1	133,454,405	43,759,824	89,694,581	205.0
Texas.....	18,389,092	15,116,949	3,272,143	21.7	287,295,880	161,842,288	125,453,592	77.5	298,133,466	166,994,711	131,138,755	78.6
<b>MOUNTAIN:</b>												
Montana.....	1,848,113	1,142,063	706,050	61.3	10,449,747	10,449,769	18,009,978	172.4	24,714,563	10,692,515	14,022,048	177.9
Idaho.....	1,638,479	918,124	720,355	78.5	32,007,527	8,565,657	23,441,870	273.7	34,357,831	9,267,261	25,090,570	270.7
Wyoming.....	786,650	435,621	351,029	80.6	9,791,830	3,065,472	6,726,358	219.3	10,622,901	3,133,723	7,489,178	239.8
Colorado.....	2,614,312	1,549,503	1,064,809	68.7	45,795,093	16,389,714	29,405,379	179.4	50,974,958	16,979,588	34,004,370	260.4
New Mexico.....	632,769	196,023	436,746	222.8	8,076,854	2,798,108	5,278,746	188.7	8,925,397	3,064,597	5,860,800	191.2
Arizona.....	190,982	150,781	40,201	26.7	4,958,938	2,249,407	2,709,531	120.5	5,496,872	2,472,548	3,024,324	122.3
Utah.....	755,370	669,824	85,546	12.8	17,488,271	7,794,305	9,693,966	124.4	18,484,615	8,242,995	10,241,620	124.1
Nevada.....	392,387	326,526	65,861	20.2	7,380,637	2,845,096	4,535,541	160.2	5,923,396	2,887,569	3,035,827	105.2
<b>PACIFIC:</b>												
Washington.....	3,431,273	2,901,381	529,892	18.3	70,770,261	21,487,785	49,282,476	229.4	78,927,923	23,532,150	55,394,903	235.4
Oregon.....	2,251,288	1,057,836	1,193,452	113.6	42,293,157	19,396,418	22,896,739	118.0	49,040,725	21,806,687	27,234,038	124.9
California.....	4,924,733	6,434,434	-1,509,701	-23.5	100,406,099	64,583,963	35,822,976	55.5	153,111,013	95,365,712	57,745,301	60.6

<sup>1</sup> A minus sign (—) denotes decrease.<sup>2</sup> Less than one-tenth of 1 per cent.<sup>3</sup> Includes Indian Territory.

ALL FARM CROPS.  
VALUE, BY STATES: 1909.



Sale and purchase of crops suitable for feeding animals: 1909.—In the case of some minor crops the entire product, or the larger part of it, is usually retained upon the farm for family consumption; this is notably true of vegetables. Of certain other crops practically the entire quantity, except such as is required for seed, is sold. These crops, which are frequently referred to as money crops, are mainly intended for human consumption, direct or indirect. Cotton, tobacco, sugar cane, hemp, hops, and to a slightly less extent wheat, are examples. Besides crops of these two classes, there are several crops, the most important being corn, oats, barley, and hay and forage, which are used chiefly as feed for animals. A majority of the farmers who raise these crops retain the entire product or a considerable proportion of it for their

own animals; others sell their surplus mainly for consumption by animals in cities, towns, and villages, or by animals on farms where such crops are not raised or are raised only in small quantities.

At the census of 1910 the agricultural schedules contained inquiries designed to ascertain not only the quantity and value of the leading "feedable" crops produced, but also the quantity and value of such crops sold and the amounts expended by farmers for the purchase of feed for animals. Table 12 presents statistics of such sales and purchases by geographic divisions and sections, and Table 15 shows them in less detail by states. It is probable that these statistics are somewhat less accurate than those of crop production, and are on the whole an understatement both of sales and of purchases.

Table 12

RECEIPTS FROM SALE OF SPECIFIED FEEDABLE CROPS: 1909

DIVISION OR SECTION.	Amount expended for feed: 1909	Receipts from sale of feedable crops: 1909	EXCESS OF RECEIPTS FROM SALE OVER AMOUNT EXPENDED. <sup>1</sup>		RECEIPTS FROM SALE OF SPECIFIED FEEDABLE CROPS: 1909							
					Corn.		Oats.		Barley.		Hay and forage.	
			Amount.	Per cent.	Quantity (bushels).	Amount received.	Quantity (bushels).	Amount received.	Quantity (bushels).	Amount received.	Quantity (tons).	Amount received.
United States.....	\$298,839,857	\$509,253,522	\$209,413,665	41.1	460,572,574	\$255,181,944	261,325,372	\$107,242,768	75,297,901	\$41,314,430	10,679,389	\$105,564,379
New England.....	34,613,964	4,346,047	\$30,267,917	69.3	149,814	101,552	384,423	217,879	9,456	8,272	272,584	4,019,544
Middle Atlantic.....	34,696,044	21,384,658	\$13,311,386	38.4	4,419,068	3,007,230	4,551,876	2,387,688	326,528	214,002	1,116,016	15,975,138
East North Central.....	40,611,121	195,663,014	155,051,893	79.2	197,015,428	107,806,684	128,053,438	51,279,242	10,838,789	6,457,495	2,981,159	30,119,593
West North Central.....	76,207,537	174,493,989	98,198,452	56.3	190,410,330	100,638,243	94,511,952	36,678,588	43,056,403	21,221,923	2,393,803	15,866,935
South Atlantic.....	19,235,280	14,677,355	\$4,557,925	23.7	12,815,516	9,781,438	1,388,083	1,034,972	20,430	18,903	281,175	3,841,952
East South Central.....	15,067,073	15,684,379	76,706	0.5	17,806,876	11,909,972	1,503,258	786,448	22,905	14,771	528,791	2,893,187
West South Central.....	24,723,140	20,830,896	7,626,387	30.6	26,880,404	20,840,778	7,389,274	3,434,317	69,829	42,158	527,184	4,623,124
Mountain.....	13,204,509	20,830,896	7,626,387	30.6	998,458	651,255	12,164,190	5,927,921	3,741,566	2,106,953	1,417,308	12,114,767
Pacific.....	20,920,563	33,120,807	12,200,244	36.8	480,080	375,391	11,178,876	5,465,414	17,186,919	11,229,863	1,451,309	16,020,139
The North.....	206,128,696	395,999,708	189,871,022	47.9	391,991,240	211,553,106	227,501,689	90,563,697	54,251,076	27,901,692	6,763,572	65,981,210
The South.....	59,586,099	59,302,111	\$283,988	0.5	67,102,796	42,612,189	10,480,617	5,235,727	118,340	75,922	1,047,150	11,358,263
The West.....	34,152,072	53,951,703	19,836,631	36.7	1,478,558	1,026,646	23,343,066	11,423,355	20,928,483	13,336,816	2,868,677	28,164,906
East of the Mississippi.....	164,784,082	251,955,453	87,171,371	34.6	231,803,302	132,686,277	136,081,080	55,706,229	11,243,184	6,713,533	4,889,735	56,849,414
West of the Mississippi.....	135,055,775	257,298,069	122,242,294	47.5	228,769,272	122,505,667	125,244,292	51,536,540	64,054,717	34,600,897	5,789,664	48,654,965

<sup>1</sup> An asterisk (\*) indicates an excess of expenditures over receipts from sales.

The total amount reported by farmers as received during 1909 from the sale of corn, oats, barley, and hay and forage was \$509,254,000. The amount reported by farmers as expended for feed for live stock was \$299,840,000. The excess of receipts from sale over expenditures for purchase was \$209,414,000, or 41.1 per cent. This excess should represent in a rough way the value of crops of this character sold by farmers for consumption by animals in cities, towns, and villages, for export, or for human consumption in the United States.

Marked differences appear among the geographic divisions with respect to the relation of sales of feedable crops to purchases. In the East and West North Central divisions there was in 1909 a great excess of sales over purchases, while in the New England and Middle Atlantic divisions the sales were much less than the purchases, in the South Atlantic division considerably less, and in the East South Central division practically the same. In other words, in the northeastern divisions, and in parts of the South, the farmers do not raise enough feed for their own animals, but have to supply the deficiency by purchase from other sections of the country.

The total value of the corn, oats, barley, and hay and forage produced during 1909 was \$2,769,715,000, so that the value of such crops sold represents only 18.4 per cent of the total. Of the total quantity of corn produced, less than one-fifth was reported as sold; of oats slightly more than one-fourth; of barley about two-fifths; and of hay and forage only a little more than one-tenth. For further details see Table 13.

DIVISION OR SECTION.	PER CENT OF TOTAL PRODUCTION REPORTED AS SOLD: 1909			
	Corn.	Oats.	Barley.	Hay and forage.
<b>United States.....</b>	<b>18.0</b>	<b>23.9</b>	<b>43.4</b>	<b>11.0</b>
New England.....	1.8	5.2	2.3	5.8
Middle Atlantic.....	6.3	7.1	15.8	9.9
East North Central.....	23.3	34.3	40.7	14.6
West North Central.....	19.1	21.8	43.5	6.6
South Atlantic.....	7.1	7.5	6.5	9.6
East South Central.....	8.3	12.9	18.4	9.3
West South Central.....	15.8	27.1	38.5	15.6
Mountain.....	13.6	30.0	38.2	16.6
Pacific.....	21.0	39.6	49.6	19.9
<b>The North.....</b>	<b>20.4</b>	<b>25.9</b>	<b>42.3</b>	<b>9.3</b>
<b>The South.....</b>	<b>10.8</b>	<b>17.4</b>	<b>16.6</b>	<b>11.8</b>
<b>The West.....</b>	<b>15.4</b>	<b>33.9</b>	<b>47.1</b>	<b>18.0</b>
East of the Mississippi.....	17.7	28.4	37.8	11.7
West of the Mississippi.....	18.5	23.7	44.6	10.4

### EXPENDITURES FOR LABOR AND FERTILIZERS ON FARMS.

**Expenditures for labor: 1909 and 1899.**—The schedules of the Twelfth and Thirteenth Censuses contained inquiries as to the amount paid by farmers for hired labor during the year preceding the taking of the census. No attempt was made to ascertain the number of persons hired. In many cases farmers hire labor only for a few days or a few weeks during the year and it would be impossible to determine the true average number employed for the year; and the actual number employed on any selected date, even if ascertained correctly, might be by no means typical of average conditions throughout the year. The schedule inquiry as to wages distinguished between money pay-

ment and the value of house rent and board furnished. It is probable that the latter item is, in general, less correctly reported than the former, and that it is in most cases somewhat understated. The two classes of payment are combined in most of the tables.

Table 14 presents statistics regarding expenditures for labor for each geographic division and section. As an aid to interpreting the data, the distribution of the total and of the improved acreage of farm land among the divisions and sections by percentages is also shown.

The amounts paid for labor in individual states, together with other data, are shown in Table 15.

DIVISION OR SECTION.	AMOUNT EXPENDED FOR LABOR.				AMOUNT EXPENDED FOR FERTILIZERS.				PER CENT OF UNITED STATES TOTAL.							
	1909		1899		1909		1899		Amount expended for labor.		Amount expended for fertilizers.		All land in farms.		Improved land in farms.	
	Amount.	Per cent.	Amount.	Per cent.	Amount.	Per cent.	Amount.	Per cent.	1909	1899	1909	1899	1910	1900	1910	1900
United States.....	\$651,611,287	\$357,391,930	\$294,219,357	82.3	\$114,882,541	\$53,430,910	\$61,451,631	115.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
New England.....	34,500,407	20,727,980	13,772,427	66.4	4,297,705	5,110,054	118.9	5.3	5.8	8.2	8.0	2.2	2.5	1.5	2.0	2.0
Middle Atlantic.....	75,021,579	50,469,890	27,551,689	54.6	16,221,474	11,344,290	69,877,184	60.6	12.0	14.1	15.9	21.2	4.9	5.3	6.1	7.4
East North Central.....	117,880,195	67,556,520	50,323,675	74.5	8,058,881	5,866,520	2,192,361	37.4	18.1	18.9	7.0	11.0	13.4	13.9	18.6	20.9
West North Central.....	135,924,234	75,764,460	60,159,774	79.4	983,216	1,407,175	238,359	30.1	20.9	21.2	0.9	2.6	26.5	24.0	34.3	32.7
South Atlantic.....	66,607,245	37,086,040	29,521,295	79.6	59,625,130	22,732,670	36,892,460	162.3	10.2	10.4	51.9	42.5	11.8	12.4	10.1	11.1
East South Central.....	35,908,883	19,575,416	15,733,467	80.4	12,901,239	5,337,708	7,963,531	141.7	5.4	5.5	11.2	10.0	9.3	9.7	9.2	9.7
West South Central.....	59,980,738	29,871,225	20,109,513	100.8	3,225,927	1,374,116	1,851,811	134.8	9.2	8.4	2.8	2.6	19.2	21.0	12.2	9.6
Mountain.....	46,939,012	20,372,255	26,506,757	130.4	159,342	77,116	82,226	106.6	7.2	5.7	0.1	0.1	6.8	5.5	3.3	2.0
Pacific.....	76,448,994	55,968,144	40,480,820	112.5	2,299,573	993,610	1,305,963	131.4	11.7	10.1	2.0	1.9	5.8	5.7	4.6	4.5
The North.....	296,326,415	214,518,850	151,807,565	70.8	36,671,330	22,915,690	13,755,640	60.0	56.2	60.0	31.9	42.9	47.1	45.6	60.6	63.0
The South.....	161,896,866	86,532,681	75,364,183	87.1	75,752,296	29,444,494	46,307,802	157.3	24.8	24.2	65.9	55.1	40.3	43.2	31.5	30.4
The West.....	123,388,066	56,340,399	67,047,607	119.0	1,070,726	1,070,726	1,388,189	129.6	18.9	15.8	2.1	2.0	12.6	11.2	7.9	6.6
East of the Mississippi.....	332,318,309	195,415,846	136,902,463	70.1	108,214,483	49,578,893	58,635,590	118.3	51.0	54.7	94.2	92.8	41.7	43.8	45.6	51.1
West of the Mississippi.....	319,292,978	161,976,084	157,316,894	119.0	6,668,058	3,852,017	2,816,041	73.1	49.0	45.3	5.3	5.3	58.3	56.2	54.4	48.9

<sup>1</sup> A minus sign (—) denotes decrease.



The total amount reported as expended for farm labor (including the value of rent and board furnished) in the country as a whole in 1909 was \$651,611,000, as compared with \$357,392,000 in 1899—an increase

of 82.3 per cent. This increase is due in part to higher rates of wages, and in part to employment of additional laborers, or employment for longer periods of time.

Table 15

Table 15	AMOUNT EXPENDED BY FARMERS FOR—					RECEIPTS FROM SALE OF FEED-ABLE CROPS.	AMOUNT EXPENDED BY FARMERS FOR—					RECEIPTS FROM SALE OF FEED-ABLE CROPS.	
	STATE.	Labor.	Fertilizers.	Feed.	1909		STATE.	Labor.	Fertilizers.	Feed.	1909		
NEW ENGLAND:													
Maine	\$5,633,106	\$2,667,260	\$4,069,479	\$819,680	\$7,267,854	\$1,567,463	SOUTH ATLANTIC—						
New Hampshire	3,374,126	2,304,520	512,580	367,990	4,614,938	447,535	Continued.						
Vermont	4,748,003	3,133,140	570,752	447,063	4,758,703	966,276	West Virginia	\$4,035,764	\$2,041,560	\$528,937	\$405,270	\$1,938,233	\$1,212,228
Massachusetts	12,101,959	7,487,280	1,965,662	1,320,600	10,878,178	738,987	North Carolina	9,220,564	5,444,950	12,262,533	4,479,039	3,151,190	2,061,783
Rhode Island	1,761,594	1,032,360	335,103	284,140	1,678,183	116,079	South Carolina	10,770,758	6,107,100	15,162,017	4,494,410	1,830,815	1,164,874
Connecticut	6,881,019	4,103,420	1,854,163	1,078,240	5,416,108	510,307	Georgia	13,218,113	7,244,520	16,860,165	5,738,520	4,097,043	2,045,033
MIDDLE ATLANTIC:													
New York	41,312,014	27,102,130	7,142,265	4,493,050	29,545,703	10,349,957	Florida	5,354,376	4,698,290	3,609,853	753,120	1,829,356	486,329
New Jersey	11,097,727	6,720,030	4,277,604	2,165,320	9,947,181	2,076,981	E. S. CENTRAL:						
Pennsylvania	25,611,888	16,647,730	6,801,605	4,486,199	19,303,160	9,157,120	Kentucky	12,243,851	6,613,330	1,350,720	908,250	4,014,998	6,282,120
E. N. CENTRAL:													
Ohio	25,631,185	14,502,600	4,180,485	2,695,470	8,445,761	31,396,130	Tennessee	8,448,095	4,730,370	1,216,256	898,070	3,570,551	6,713,097
Indiana	36,308,372	22,382,550	615,594	830,600	13,918,628	104,435,194	Alabama	7,162,225	4,914,400	7,630,352	2,599,290	4,041,486	1,744,732
Illinois	36,308,372	22,382,550	615,594	830,600	13,918,628	104,435,194	Mississippi	7,162,225	4,914,400	7,630,352	2,599,290	4,041,486	1,744,732
Michigan	19,068,980	10,717,229	945,354	492,360	5,682,915	12,234,203	W. S. CENTRAL:						
Wisconsin	19,195,473	10,408,610	127,753	294,320	5,672,916	14,857,856	Arkansas	7,654,571	3,171,060	506,553	172,510	4,275,587	2,700,067
W. N. CENTRAL:													
Minnesota	22,330,149	16,657,820	74,653	251,120	5,041,925	19,741,965	Louisiana	16,704,125	10,692,710	2,044,919	1,076,890	5,784,140	1,515,947
Iowa	24,781,592	16,375,670	109,570	337,190	18,582,251	57,034,312	Oklahoma	9,837,541	3,675,520	29,092	5,863,373	16,430,110	8,295,157
Missouri	18,644,695	9,803,610	671,073	370,630	17,148,008	20,077,983	Texas	25,784,501	12,331,905	505,363	124,716	10,800,046	8,295,157
North Dakota	21,740,149	9,207,220	10,003	13,855	2,003,028	6,079,840	MOUNTAIN:						
South Dakota	12,831,944	5,528,070	11,294	12,940	3,449,255	16,729,129	Montana	10,930,477	5,077,340	12,323	3,940	1,741,071	3,942,518
Nebraska	15,028,468	7,399,160	31,021	153,060	12,567,838	31,587,632	Idaho	6,701,604	2,250,450	20,737	17,150	1,222,709	5,275,620
Kansas	20,567,237	10,792,910	75,602	265,360	17,815,252	22,911,128	Wyoming	6,174,162	2,615,230	5,302	12,700	1,508,820	1,238,522
SOUTH ATLANTIC:													
Delaware	1,612,471	1,075,960	864,577	539,040	337,841	713,022	Colorado	10,818,464	4,100,905	61,113	23,225	4,592,799	5,010,168
Maryland	8,802,172	5,715,520	3,387,634	2,618,890	2,445,065	3,240,590	New Mexico	3,645,423	1,961,110	25,571	2,880	1,527,057	1,445,063
Dist. Columbia	238,833	197,420	16,975	22,600	130,077	180	Arizona	2,504,984	1,152,670	6,080	2,921	541,771	1,445,838
Virginia	13,354,194	7,790,720	6,932,455	3,681,790	3,504,600	3,753,316	Utah	3,169,917	1,837,900	20,037	14,300	727,409	1,336,199
							Nevada	2,933,978	1,386,650	8,379		443,283	1,136,968
PACIFIC:													
							Washington	15,370,931	5,280,190	87,023	29,165	5,045,297	7,277,118
							Oregon	11,101,864	4,842,834	68,557	27,393	3,198,363	4,514,161
							California	49,976,199	25,845,120	2,143,967	937,050	12,676,963	21,329,528

<sup>1</sup> Includes Indian Territory.

The distribution of the payments for labor among the geographic divisions does not conform very closely to the distribution of the total acreage of farms, or of the improved acreage. In particular, the New England, Middle Atlantic, Mountain, and Pacific divisions report a larger proportion of the total expenditures for labor than of either of the other items mentioned, while the East and West South Central divisions report a much smaller proportion. These differences are probably due partly to differences in the prevailing rate of wages, but more largely to differences in the method of managing farms. Thus

in the South there is less hired labor because of the prevalence of small tenant farms.

These differences among the divisions in the extent to which farmers hire labor are further brought out by Table 16, which shows for 1909 the proportion which the farms in each division which reported expenditures for labor in 1909 form of the total number of farms and the average expenditure per farm reporting. As a guide to the interpretation of this average, the average size of all farms in each division is shown, it being impossible to state the average size of the farms which hire labor.

Table 16

DIVISION OR SECTION.	EXPENDITURES FOR LABOR.								EXPENDITURES FOR FERTILIZERS.						AVERAGE ACREAGE PER FARM.			
	Per cent farms reporting form of all farms: 1909	Average per farm re- port- ing: 1909	Average per acre. <sup>1</sup>				Per cent farms reporting form of all farms: 1909	Average per farm re- port- ing: 1909	Average per acre. <sup>1</sup>				All land in farms.		Improved land in farms.			
			All land in farms.		Improved land in farms.				All land in farms.		Improved land in farms.							
			1909	1899	1909	1899			1909	1899	1909	1899						
1910	1900	1910	1900															
United States.....	45.9	\$223	\$0.74	\$0.43	\$1.38	\$0.86	28.7	\$63	\$0.13	\$0.06	\$0.24	\$0.13	138.1	146.2	75.2	72.2		
New England.....	66.0	277	1.75	1.01	4.76	2.55	60.9	82	0.48	0.21	1.30	0.53	104.4	107.1	38.4	42.4		
Middle Atlantic.....	65.8	253	1.81	1.13	2.66	1.64	57.6	68	0.42	0.25	0.62	0.37	92.2	92.4	62.6	63.4		
East North Central.....	32.7	199	1.00	0.58	1.33	0.78	19.6	37	0.07	0.05	0.09	0.07	105.0	102.4	79.2	76.3		
West North Central.....	51.0	240	0.58	0.38	0.83	0.56	2.1	41	(*)	0.01	0.01	0.01	209.6	189.5	148.0	127.9		
South Atlantic.....	42.2	142	0.64	0.36	1.37	0.80	69.2	77	0.57	0.22	1.23	0.49	93.3	108.4	43.6	47.9		
East South Central.....	31.6	107	0.43	0.24	0.80	0.49	33.8	37	0.16	0.07	0.29	0.13	78.2	89.9	42.2	44.5		
West South Central.....	35.6	178	0.35	0.17	1.03	0.75	6.4	53	0.02	0.01	0.06	0.03	179.3	233.8	61.8	52.7		
Mountain.....	46.8	547	0.79	0.44	2.95	2.42	1.3	67	(*)	(*)	0.01	0.01	324.5	457.9	86.8	82.9		
Pacific.....	58.0	694	1.49	0.76	3.47	1.92	6.4	189	0.04	0.02	0.10	0.05	270.3	334.8	116.1	132.5		
The North.....	55.1	220	0.89	0.56	1.26	0.82	21.7	59	0.09	0.06	0.13	0.09	143.0	133.2	100.3	90.9		
The South.....	36.6	143	0.46	0.24	1.07	0.69	38.2	64	0.21	0.08	0.50	0.23	114.4	138.2	48.6	48.1		
The West.....	52.5	630	1.11	0.60	3.25	2.07	3.9	169	0.02	0.01	0.06	0.04	296.9	386.1	101.7	111.8		
East of the Mississippi.....	46.4	182	0.91	0.53	1.52	0.92	43.8	63	0.30	0.13	0.50	0.23	83.0	99.8	55.4	57.6		
West of the Mississippi.....	45.3	291	0.62	0.34	1.23	0.80	4.1	67	0.02	0.01	0.03	0.02	211.3	229.0	107.4	98.4		

<sup>1</sup> Based on acreage in 1910 of all farms and not of those hiring labor.

<sup>2</sup> Less than 1 cent.

The table further shows for 1909 and 1899 the average expenditure for labor per acre of land in farms and per acre of improved land in farms, both of these averages being based on the acreage of all farms and not that of farms reporting expenditures for labor. From the figures given it appears that of the farms in the New England division 66 per cent hired labor in 1909, the average expenditure per farm reporting being \$277, while in the East South Central division, where there are many small tenant farms, only 31.6 per cent of all farms hired labor, and the average expenditure per farm was only \$107.

Table 17 distinguishes between money payment for labor and the value of house rent and board furnished.

For the United States as a whole, 80.1 per cent of the total amount expended for labor in 1909 was in the form of cash, the remainder (19.9 per cent) representing the value of rent and board furnished.

Table 17

DIVISION.	AMOUNT EXPENDED FOR LABOR: 1909				
	Total.	Cash.		Rent and board furnished.	
		Amount.	Per cent of total.	Amount.	Per cent of total.
United States.....	\$651,611,287	\$521,729,941	80.1	\$129,881,348	19.9
New England.....	34,500,407	27,603,492	80.0	6,896,915	20.0
Middle Atlantic.....	78,021,579	59,913,169	76.8	18,108,410	23.2
East North Central.....	117,880,195	91,591,170	77.7	26,289,025	22.3
West North Central.....	135,924,294	105,023,453	77.3	30,900,781	22.7
South Atlantic.....	66,607,245	55,413,285	83.2	11,193,960	16.8
East South Central.....	35,308,883	28,662,434	81.2	6,646,449	18.8
West South Central.....	59,980,738	52,219,927	87.1	7,760,811	12.9
Mountain.....	46,309,012	37,834,652	79.6	9,554,360	20.4
Pacific.....	76,418,994	63,918,359	83.6	12,500,635	16.4

**Expenditures for fertilizers: 1909 and 1899.**—At the last two censuses the agricultural schedules contained inquiries as to the amount expended for fertilizers. These expenditures are made chiefly for commercial or artificial fertilizers, but to some extent for the purchase of manure or other natural fertilizers derived chiefly from cities, towns, and villages. Table 14 presents data regarding expenditures for fertilizers by geographic divisions and sections. Less detailed data for each state appear in Table 15.

### THE CEREALS.

Considered as an aggregate the cereals are, both in acreage and value, the most important of the crops of the United States. In 1909 they occupied 40 per cent of all improved farm land, and contributed 48.6 per cent of the value of all crops. The acreage, production, and value of the combined cereals in 1909, with comparative figures for 1899, are given in Table 21.

Attention has already been called to the large share which the two North Central divisions have in the acreage of cereals. With upwards of 126,000,000 acres in 1909 these two divisions contained nearly two-thirds of the total cereal acreage of the country, though at the same time it should be noted that these

The total amount reported as spent for fertilizers by the farmers of the United States in 1909 was \$114,883,000, an increase of 115 per cent as compared with the expenditure in 1899.

There is a wide diversity among the sections of the country with reference to the practice of buying fertilizers. The great bulk of the expenditure reported in 1909 was in New England, the Middle Atlantic division, the states of Ohio and Indiana in the East North Central division, the South Atlantic division (which reported more than half of the total), and the East South Central division. In the other sections of the country the fertility of the soil, in so far as any attempt is made to conserve it, is usually maintained rather by rotation of crops, letting the land lie fallow, or using manure derived from live stock. Differences in the character of the soil and in the kinds of crops raised have a direct bearing on the use of commercial fertilizers. The South Atlantic division shows a higher rate of increase in expenditures for fertilizers (162.3 per cent) between 1899 and 1909 than any other. In the West North Central division, where the expenditures for fertilizers at both censuses were very low, they were considerably less in 1909 than in 1899.

The percentages and averages in Table 16 show further the differences among the geographic divisions with respect to the practice of buying fertilizers. In the country as a whole in 1909, 28.7 per cent of the farms bought fertilizers, the average expenditure per farm being \$63. In the South Atlantic division 69.2 per cent of all the farms reported some expenditure for fertilizers in 1909, the average per farm reporting being \$77, while in the West North Central division only 2.1 per cent of the farms bought fertilizers, and the average amount spent per farm was only \$41, notwithstanding the fact that the farms of this section average much larger than those in the South Atlantic division. The expenditures for fertilizers in the South Atlantic division were equal to \$1.23 for each acre of improved land in farms (based on all farms and not merely those reporting expenditures for fertilizers), while in the West North Central division the corresponding average was only \$0.01.

divisions contained slightly more than one-half of all the improved farm land. Seven states—Illinois, Kansas, Iowa, Nebraska, North Dakota, Missouri, and Minnesota—with an aggregate of 92,000,000 acres, contained nearly one-half of the total acreage in cereals in 1909.

Comparing 1909 with 1899, the figures for the United States as a whole show an increase of 3.5 per cent in the acreage of cereals and of only 1.7 per cent in production, the difference in the rate of increase being due to a slightly smaller production per acre. During the decade the population increased 21 per cent, while the per capita production of cereals, which in 1899 was 58.4 bushels, was in 1909 only 49.1 bushels. With a

production only slightly larger, the value of the cereal crop in 1909 exceeded that in 1899 by \$1,183,000,000, or 79.8 per cent.

The slight gain which has been noted in the cereal acreage was far from being evenly distributed throughout the country. Indeed, all divisions east of the Mississippi River lost in acreage, the aggregate loss being over 6,000,000 acres. West of the Mississippi River, on the other hand, all divisions except the Pacific increased their acreage, with a net gain of over 12,000,000 acres. Twenty-seven states had a smaller acreage of cereals in 1909 than in 1899. Of the seven leading states mentioned above, North Dakota increased its acreage enormously during the decade, Kansas made a considerable, and Nebraska a slight gain, but in Illinois, Iowa, Minnesota, and Missouri decreases occurred.

The distribution of production throughout the several divisions and the increase or decrease from one year to another follow the conditions observed in regard to acreage approximately, but not exactly, since variations in the average yield in different sections make some changes in the proportions. For the United States as a whole the production was practically the same in 1909 as in 1899, with an increase of only 1.7 per cent in the later year as compared with the earlier.

Twenty-one states reported a smaller production in 1909 than in 1899. Of the seven leading states, North Dakota shows an increase in production even greater relatively than that in acreage, and Minnesota shows a slight increase in production, in spite of a decrease in acreage, while Illinois, Kansas, Iowa, Nebraska, and Missouri show a decrease in production, though Kansas and Nebraska gained in acreage.

Table 21 shows that the remarkable increase in the value of the cereal crop disclosed by the census generally was shared by all divisions. In only one state, California, was there any decrease in the value of the cereal production in 1909 as compared with 1899. Elsewhere the general advance in values more than offset such losses as occurred in production.

While the cereals will later be discussed individually, it is of interest to consider here the relative importance of the different crops. This is shown in Table 18, which gives for the United States and for each geographic division and section the percentage of the aggregate cereal acreage which was occupied by each crop in 1909.

In the United States as a whole a little more than one-half of the acreage devoted to cereals is in corn, a little less than one-fourth in wheat, and somewhat more than one-sixth in oats. In each of the nine divisions except the Pacific the three leading cereals—corn, wheat, and oats—occupy, as in the United States at large, much more than three-fourths of the total cereal acreage. In the Pacific states the acreage of corn is insignificant and that of barley exceeds that

of oats. Corn occupies the leading place in the important cereal producing regions, but in the New England and Middle Atlantic divisions the first place is held by oats, and in the Pacific and Mountain divisions by wheat. The cereals included under the head of "all other" in the final column of the table are emmer and spelt, kafir corn, and rice. The share of these in the aggregate acreage in most divisions is slight, but in the West South Central division kafir corn occupies 5.7 per cent and rice 3 per cent of the total cereal acreage.

Table 18

PER CENT OF TOTAL CEREAL ACREAGE (1909) IN—

DIVISION OR SECTION.	All cereals.	Corn.	Wheat.	Oats.	Barley.	Rye.	Buckwheat.	All other.
<b>United States.....</b>	<b>100.0</b>	<b>51.4</b>	<b>23.1</b>	<b>18.4</b>	<b>4.0</b>	<b>1.8</b>	<b>0.5</b>	<b>1.5</b>
New England.....	100.0	38.9	1.0	47.6	3.5	2.8	6.1	(1)
Middle Atlantic.....	100.0	29.1	21.5	33.9	1.2	6.4	8.0	(1)
East North Central.....	100.0	51.8	16.6	26.5	2.1	2.3	0.3	(1)
West North Central.....	100.0	42.9	30.9	18.8	5.7	0.6	(1)	1.1
South Atlantic.....	100.0	74.5	14.7	9.0	0.1	1.0	0.6	0.2
East South Central.....	100.0	83.4	9.7	6.4	(1)	0.4	(1)	(1)
West South Central.....	100.0	76.6	8.0	6.6	0.1	(1)	(1)	8.8
Mountain.....	100.0	13.8	38.3	34.7	9.3	1.0	(1)	2.9
Pacific.....	100.0	1.6	57.9	13.8	25.4	0.4	(1)	0.8
<b>The North.....</b>	<b>100.0</b>	<b>45.0</b>	<b>25.8</b>	<b>22.2</b>	<b>4.4</b>	<b>1.4</b>	<b>0.6</b>	<b>0.7</b>
The South.....	100.0	77.9	10.6	7.3	0.1	0.4	0.2	3.6
The West.....	100.0	6.1	50.7	21.5	19.5	0.6	(1)	1.5
East of the Mississippi.....	100.0	59.4	15.4	20.5	1.4	2.1	1.1	(1)
West of the Mississippi.....	100.0	45.8	28.5	16.9	5.8	0.5	(1)	2.5

<sup>1</sup> Less than one-tenth of 1 per cent.

In the South corn occupies over three-fourths of the total cereal acreage, but in the North the proportion is less than one-half. In both of these sections wheat is second in importance, with oats a close third. In the West, however, wheat occupies one-half the cereal acreage, and oats and barley each about one-fifth, while the acreage of corn is insignificant.

Table 19 shows the distribution of the total acreage of each particular crop among the different geographic divisions and sections.

Table 19

PER CENT OF TOTAL ACREAGE IN THE UNITED STATES: 1909

DIVISION OR SECTION.	All cereals.	Corn.	Wheat.	Oats.	Barley.	Rye.	Buckwheat.
<b>United States.....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
New England.....	0.2	0.2	(1)	0.6	0.2	0.6	3.3
Middle Atlantic.....	3.9	2.2	3.6	7.2	1.1	21.5	67.4
East North Central.....	22.1	22.3	15.9	31.9	13.1	44.1	15.9
West North Central.....	43.7	36.5	38.4	44.7	61.9	21.4	3.0
South Atlantic.....	8.0	11.6	5.1	3.9	0.2	7.2	9.7
East South Central.....	7.1	11.5	3.0	2.5	0.1	2.3	0.5
West South Central.....	10.2	15.2	3.5	3.6	0.2	0.3	(1)
Mountain.....	1.8	0.5	2.9	3.3	4.1	1.5	(1)
Pacific.....	3.0	0.1	7.6	2.3	19.2	1.2	0.1
<b>The North.....</b>	<b>70.0</b>	<b>61.2</b>	<b>78.0</b>	<b>84.4</b>	<b>76.3</b>	<b>87.7</b>	<b>89.6</b>
The South.....	23.3	38.2	11.6	10.0	0.5	9.7	10.2
The West.....	4.8	0.6	10.5	5.6	23.2	2.6	0.2
East of the Mississippi.....	41.3	47.7	27.6	46.1	14.7	75.7	96.9
West of the Mississippi.....	58.7	52.3	72.4	53.9	85.3	24.3	3.1

<sup>1</sup> Less than one-tenth of 1 per cent.

This distribution reflects in part the size of the different divisions and sections of the country, or, rather, the amount of improved land in them. Hence for the three leading cereals, corn, oats, and wheat, the largest proportion of the acreage is found in the West North



# FARM CROPS, BY STATES.

377

ALL CEREALS—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.

[A minus sign (—) denotes decrease.]

**Table 21**

DIVISION OR STATE.	ACREAGE.				PRODUCTION (BUSHELS).				VALUE.			
	1909	1899	Increase.		1909	1899	Increase.		1909	1899	Increase.	
			Amount.	Per ct.			Amount.	Per ct.			Amount.	Per ct.
<b>United States.....</b>	<b>191,395,963</b>	<b>184,982,220</b>	<b>6,413,743</b>	<b>3.5</b>	<b>4,512,564,465</b>	<b>4,438,857,013</b>	<b>73,707,452</b>	<b>1.7</b>	<b>\$2,665,539,714</b>	<b>\$1,482,003,049</b>	<b>\$1,182,936,665</b>	<b>79.8</b>
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	468,617	505,327	-36,710	-7.3	16,972,973	17,447,477	-474,504	-2.7	10,664,849	7,722,703	2,942,146	38.1
Middle Atlantic.....	7,430,170	8,492,125	-1,061,955	-12.1	182,950,697	213,777,362	-30,827,265	-14.4	123,246,631	92,032,936	31,213,715	33.9
East North Central.....	42,365,757	43,553,749	-1,247,992	-2.9	1,382,640,124	1,371,560,131	11,079,993	0.8	731,015,347	428,866,352	302,208,995	70.5
West North Central.....	83,705,743	75,771,149	7,934,594	10.5	1,936,411,197	1,877,640,699	58,770,498	3.1	1,089,912,479	547,296,135	542,616,344	99.1
South Atlantic.....	15,282,740	16,964,662	-1,681,922	-9.9	231,040,735	220,394,303	10,646,432	4.8	194,466,951	111,068,436	83,398,515	75.1
East South Central.....	13,575,676	15,601,376	-2,025,700	-13.0	237,766,717	251,846,755	-14,080,038	-5.6	173,832,911	114,349,649	59,483,262	52.0
West South Central.....	19,468,212	15,919,033	3,549,179	22.3	309,793,487	326,732,734	-16,939,247	-5.2	104,958,491	109,968,922	84,989,597	77.3
Mountain.....	3,354,674	1,636,980	1,717,694	104.9	88,929,194	36,715,323	52,213,871	142.2	56,779,935	16,220,296	40,559,640	250.1
Pacific.....	5,894,374	6,577,799	-773,425	-11.8	126,059,954	122,742,029	3,317,925	2.7	90,662,100	55,137,630	35,524,470	64.4
<b>NEW ENGLAND:</b>												
Maine.....	159,616	166,896	-7,280	-4.4	5,395,168	5,291,655	103,513	2.0	3,100,902	2,138,203	962,699	45.0
New Hampshire.....	32,928	42,335	-9,407	-22.2	1,355,965	1,677,225	-321,260	-19.2	879,631	774,243	105,388	13.6
Vermont.....	134,611	160,127	-25,516	-15.9	4,351,467	5,708,140	-1,356,673	-23.8	2,651,877	2,446,585	205,292	8.4
Massachusetts.....	55,267	53,385	1,882	3.5	2,402,738	1,894,035	508,703	26.9	1,617,181	922,127	695,054	75.4
Rhode Island.....	12,112	10,552	1,560	14.8	459,384	350,110	109,274	31.2	376,097	189,657	186,440	98.3
Connecticut.....	74,083	72,032	2,051	2.8	3,008,251	2,526,312	481,939	19.1	2,039,211	1,251,888	787,323	62.9
<b>MIDDLE ATLANTIC:</b>												
New York.....	2,602,461	3,125,077	-522,616	-16.7	69,239,218	80,413,695	-11,174,477	-13.9	43,099,988	34,264,705	8,835,283	25.7
New Jersey.....	503,651	588,853	-85,202	-14.5	14,635,521	15,553,475	-1,517,954	-9.8	9,797,937	6,938,690	2,859,247	41.2
Pennsylvania.....	4,324,058	4,738,195	-414,137	-8.7	99,675,358	117,810,192	-18,134,834	-15.4	70,348,726	50,809,541	19,539,185	38.5
<b>EAST NORTH CENTRAL:</b>												
Ohio.....	7,649,873	8,214,900	-565,027	-6.9	247,749,763	245,957,855	1,791,908	0.7	137,907,934	91,748,320	46,159,614	50.3
Indiana.....	8,752,732	8,471,709	281,023	3.3	281,488,700	249,445,647	32,043,053	12.8	151,898,146	81,858,825	70,039,321	85.6
Illinois.....	16,536,457	16,769,010	-232,553	-1.4	580,954,423	600,167,378	-19,152,955	-3.2	297,823,098	164,784,437	132,738,661	80.5
Michigan.....	4,415,629	4,721,126	-305,497	-6.5	121,862,638	105,359,463	16,503,175	15.7	70,544,250	41,819,462	28,725,208	68.7
Wisconsin.....	4,951,066	5,376,944	-425,878	-7.9	150,584,600	170,680,848	-20,105,248	-11.8	73,141,919	45,595,728	27,546,191	50.5
<b>WEST NORTH CENTRAL:</b>												
Minnesota.....	10,139,550	11,207,069	-1,067,519	-9.5	259,148,531	242,853,903	16,294,628	6.7	140,864,148	85,817,555	55,046,593	64.1
Iowa.....	15,041,039	16,920,095	-1,879,056	-11.1	489,803,118	563,978,358	-104,175,240	-17.5	230,205,315	147,919,076	82,286,239	55.6
Missouri.....	10,255,476	10,423,745	-168,269	-1.6	246,786,298	252,772,272	-5,985,974	-2.4	147,980,414	79,574,817	68,405,597	86.0
North Dakota.....	11,887,141	5,616,734	6,270,407	111.9	177,246,978	90,440,446	86,806,532	120.2	119,133,451	40,126,051	109,007,400	271.7
South Dakota.....	8,203,519	6,211,223	1,992,296	32.1	174,903,749	101,194,100	73,709,649	72.8	98,953,050	34,506,061	64,446,989	186.8
Nebraska.....	12,540,049	12,071,703	468,346	3.9	285,078,947	297,865,366	-12,786,419	-4.3	133,666,652	75,730,442	57,936,210	102.9
Kansas.....	15,638,669	13,326,940	2,311,729	17.3	263,443,581	298,546,254	-35,102,673	-11.8	169,109,449	83,622,109	85,487,340	102.2
<b>SOUTH ATLANTIC:</b>												
Delaware.....	309,288	318,772	-9,484	-3.0	6,648,544	6,775,575	-127,031	-1.9	4,692,329	3,032,513	1,659,816	54.7
Maryland.....	1,329,201	1,368,265	-39,064	-2.9	29,183,197	30,985,936	-1,802,739	-5.8	21,908,730	14,505,992	7,402,738	51.0
District of Columbia.....	452	543	-91	-16.8	13,232	16,300	-3,068	-18.8	9,935	7,039	2,896	41.1
Virginia.....	2,841,114	3,166,332	-325,218	-10.3	50,283,074	49,470,178	812,896	1.6	39,993,929	23,579,419	16,414,510	68.3
West Virginia.....	1,038,931	1,307,428	-268,497	-20.5	22,116,677	23,152,668	-1,035,991	-4.5	15,967,700	11,751,334	4,216,366	38.3
North Carolina.....	3,230,870	3,794,064	-563,194	-14.3	41,117,292	42,090,432	-973,140	-2.3	37,848,797	22,082,175	15,766,622	71.4
South Carolina.....	1,955,695	2,251,050	-295,355	-13.1	27,493,754	22,834,720	4,659,034	20.4	25,434,539	12,722,415	12,712,124	99.9
Georgia.....	3,906,703	4,150,886	-244,183	-5.9	46,536,619	39,372,927	7,163,692	18.2	42,405,019	20,481,157	21,923,862	107.0
Florida.....	650,486	607,322	43,164	7.1	7,648,336	5,095,567	2,552,769	34.3	6,175,973	2,906,332	3,269,641	112.5
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	4,323,702	5,085,529	-761,827	-15.0	64,836,975	92,422,566	-27,585,591	-29.9	60,738,651	39,692,771	21,045,880	53.0
Tennessee.....	4,136,647	5,055,328	-918,681	-18.2	79,148,649	82,095,132	-2,946,483	-3.6	55,302,278	36,914,592	18,387,686	49.8
Alabama.....	2,844,824	3,088,454	-243,630	-7.9	34,072,032	37,610,914	-3,538,882	-9.4	30,927,210	18,424,318	12,502,892	67.9
Mississippi.....	2,270,503	2,372,065	-101,562	-4.3	29,709,061	39,718,143	-10,009,082	-25.2	26,864,772	19,317,968	7,546,804	39.1
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	2,564,898	2,980,684	-415,786	-13.9	42,655,839	50,527,455	-7,871,616	-15.6	31,262,922	20,233,270	11,029,652	54.5
Louisiana.....	1,938,357	1,573,759	364,598	23.2	37,273,196	28,594,874	8,678,322	30.4	24,786,984	14,491,796	10,295,188	71.0
Oklahoma.....	8,248,653	1,443,819	6,804,834	86.1	129,816,483	100,318,982	29,497,501	29.4	71,798,662	18,111,290	53,687,372	155.4
Texas.....	6,716,304	6,932,791	-216,487	-3.1	100,047,969	147,291,423	-47,243,454	-32.1	67,109,923	47,132,566	19,977,357	42.4
<b>MOUNTAIN:</b>												
Montana.....	635,807	254,231	381,576	150.1	21,239,157	7,599,180	13,639,977	179.5	12,251,345	3,267,726	8,983,619	274.9
Idaho.....	847,138	369,788	477,350	129.1	26,528,174	8,394,800	18,133,374	216.0	16,026,676	3,212,387	12,814,289	398.9
Wyoming.....	186,947	50,528	136,419	270.0	4,523,310	1,195,775	3,327,535	278.3	2,744,502	528,481	2,216,021	419.3
Colorado.....	1,057,905	525,299	532,606	101.4	22,322,328	10,501,528	11,820,800	112.6	11,787,519	4,700,271	10,087,248	214.6
New Mexico.....	128,037	96,402	31,635	32.8	1,653,383	1,653,120	263,263	16.0	2,382,996	979,903	1,403,093	143.2
Arizona.....	75,269	53,958	21,311	39.5	1,878,960	1,147,262	731,698	63.8	1,570,853	673,639	897,214	133.2
Utah.....	298,613	255,609	42,914	16.8	8,296,625	5,381,125	2,915,500	54.2	6,092,281	2,366,789	3,725,492	155.3
Nevada.....	34,958	31,075	3,883	12.5	1,165,254	842,751	322,503	38.3	923,763	471,090	452,673	96.1
<b>PACIFIC:</b>												
Washington.....	2,591,582	1,350,897	1,240,685	91.8	60,610,807	30,430,585	30,180,222	99.2	44,702,138	12,191,397	32,510,741	267.2
Oregon.....	1,242,300	1,222,648	19,652	1.6	26,343,230	23,225,515	3,117,715	13.4	17,860,136	9,271,500	8,588,636	92.6
California.....	1,970,492	4,004,254	-2,033,762	-50.8	39,105,917	69,085,929	-29,980,012	-43.4	28,639,826	33,674,733	-5,034,907	-16.7

1 Includes Indian Territory.

**Corn.**—For the United States as a whole the area of corn harvested increased from 94,914,000 acres in 1899 to 98,383,000 in 1909, or 3.7 per cent, but the production decreased from 2,666,000,000 bushels to 2,552,000,000 bushels, or 4.3 per cent. The total value of the crop of 1909, however, was \$1,439,000,000, as compared with \$828,000,000 in 1899, an increase of \$610,000,000, or 73.7 per cent. Corn in 1909 occupied 20.6 per cent of the improved farm land of the country and contributed 26.2 per cent of the total value of crops. The statistics are presented by divisions and states, in Table 23.

Table 22 gives, for the nine geographic divisions and for the five leading producing states, percentages and averages derived mainly from Table 23.

DIVISION OR STATE.	ACREAGE: 1909		AVERAGE YIELD IN BUSHELS PER ACRE.		AVERAGE VALUE PER BUSHEL.		AVERAGE VALUE PER ACRE.	
	Per cent of United States total.	Per cent of im- proved land.	1909	1899	1909	1899	1909	1899
United States....	100.0	20.6	25.9	28.1	\$0.56	\$0.31	\$14.62	\$8.73
New England.....	0.2	2.5	45.2	39.4	0.67	0.51	30.54	20.64
Middle Atlantic.....	2.2	7.4	32.2	34.0	0.65	0.43	21.05	14.63
East North Central..	22.3	24.6	38.6	38.3	0.51	0.30	19.83	11.51
West North Central..	30.5	21.9	27.7	31.4	0.51	0.26	14.00	8.07
South Atlantic.....	11.6	23.5	15.8	14.1	0.83	0.47	13.43	6.60
East South Central..	11.5	25.8	18.6	18.4	0.72	0.45	13.33	7.98
West South Central..	15.2	25.6	15.7	21.9	0.61	0.32	9.59	6.98
Mountain.....	0.5	2.9	15.8	16.5	0.63	0.50	9.89	8.31
Pacific.....	0.1	0.4	24.0	25.2	0.78	0.47	18.82	11.80
Illinois.....	10.2	35.8	38.8	38.8	0.51	0.29	19.74	11.21
Iowa.....	9.4	31.3	37.1	39.1	0.49	0.25	18.16	9.92
Kansas.....	8.2	27.1	19.1	27.8	0.52	0.25	9.96	7.03
Nebraska.....	11.4	29.8	24.8	28.8	0.49	0.24	12.14	6.99
Missouri.....	7.2	28.9	26.9	28.1	0.56	0.29	15.09	8.25

The percentage of the acreage in each geographic division has already been discussed. The leading states in acreage of corn are Illinois, Iowa, Kansas, Nebraska, and Missouri, in the order named. Each of these states had more than 7,000,000 acres in corn in 1909, their aggregate acreage being nearly 42,000,000, or over two-fifths of the total corn acreage of the United States. The distribution of the corn acreage of 1909 among the states is shown by the map on page 384.

In the United States as a whole corn occupies about one-fifth of the improved land in farms, this proportion being exceeded in each of the five principal agricultural divisions. In the five states mentioned above corn occupies more than one-fourth of the improved land in farms, while in Illinois it occupies more than one-third and in Iowa almost one-third.

Table 23 shows that by far the most extensive change in the acreage of corn during the decade from 1899 to 1909 was in the West South Central division, where the area harvested increased 3,731,000 acres, or 33.4 per cent, almost all of this increase taking place in the single state of Oklahoma. It may be noted also that the gain in this state is equivalent to 98.4 per cent of the entire net increase in the total corn acreage of the United States. For the Mountain division a very high percentage of increase is recorded, though the acreage is still small. A marked relative decrease is shown for the New England and Middle Atlantic divisions, but

in neither is the production of corn very important. Among the leading corn states, there were increased acreages in Minnesota, North Dakota, and South Dakota, and decreased acreages in Iowa and Missouri.

The average yield for the United States was 25.9 bushels per acre in 1909 and 28.1 bushels in 1899. Among the geographic divisions which have a considerable acreage in corn, the highest yield in 1909 was in the East North Central division and the lowest in the West South Central division. In the West North Central and West South Central divisions, which contain about one-half of the total corn acreage, the average yield in 1909 was conspicuously lower than in 1899. In the other divisions the average per acre changed but little. Among the principal corn states, Kansas showed a very conspicuous falling off in average yield, and of the five states named in the table, Illinois was the only one in which the yield did not decrease. By reason of these differences in average yield per acre, the changes in the total production of the various divisions and states do not correspond very closely with the changes in acreage. Two divisions with increased acreages report a smaller production in 1909 than in 1899, and two with reduced acreages report a greater production. In each of the five states which lead in acreage both the acreage and the production decreased during the decade, but in Kansas and Nebraska the decrease in production was much more pronounced than that in acreage.

The average value of corn per bushel in 1909 was \$0.56, as compared with \$0.31 in 1899. The divisions from which the highest average values are reported are, with the exception of the South Atlantic and East South Central divisions, those having a comparatively small acreage in corn. With the great advance in average value per bushel, there was a corresponding advance in the average value per acre, though by reason of a decreased yield per acre the percentage of increase was not so great. For the crop as a whole, however, the advance in the average value per bushel, despite a diminished production, resulted in an enormous increase in aggregate value, in which every state except Vermont shared.

The per capita production of corn in 1909 was 27.7 bushels, as compared with 35.1 bushels in 1899. The decreased production per capita, with the accompanying increase in price, has resulted in a great falling off in exports. For the year ending June 30, 1900, exports amounted to 213,123,000 bushels, equal to 8 per cent of the crop of 1899, while for the year ending June 30, 1910, they amounted to only 38,128,000 bushels, or 1.5 per cent of the crop of 1909. With the exception of the year 1908, this is the smallest proportion of the corn crop exported in any year since 1870. Of the 1899 crop the amount remaining for home use was 2,453,000,000 bushels, while of the 1909 crop it was 2,514,000,000 bushels—the amount retained in 1909 being the greater by 61,000,000 bushels. Thus in 1899, 32.3 bushels per capita remained for home use, and in 1909, 27.3 bushels.

# FARM CROPS, BY STATES.

379

CORN—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.

[A minus sign (—) denotes decrease.]

Table 23 DIVISION OR STATE.	ACREAGE.				PRODUCTION (BUSHELLS).				VALUE.			
	1909	1899	Increase.		1909	1899	Increase.		1909	1899	Increase.	
			Amount.	Per ct.			Amount.	Per ct.			Amount.	Per ct.
United States.....	98,382,665	94,913,673	3,468,992	3.7	2,552,189,630	2,666,324,370	-114,134,740	-4.3	\$1,438,553,919	\$828,192,358	\$610,361,531	73.7
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	182,065	198,377	-16,312	-8.2	8,238,394	7,807,920	430,474	5.5	5,560,074	3,976,367	1,583,707	39.8
Middle Atlantic.....	2,158,534	2,434,743	-276,199	-11.3	69,610,602	82,873,430	-13,262,828	-16.0	45,434,191	35,612,050	9,822,141	27.6
East North Central.....	21,910,191	21,590,260	319,931	1.5	845,298,285	827,063,540	18,232,745	2.2	434,424,336	248,570,575	185,853,761	74.8
West North Central.....	35,945,297	35,529,298	415,999	1.2	996,358,997	1,114,154,560	-117,795,563	-10.6	503,264,940	286,872,473	216,392,467	75.4
South Atlantic.....	11,386,984	12,024,742	-637,758	-5.3	179,511,702	199,468,960	-10,957,258	-5.9	149,479,304	79,406,051	70,073,253	88.2
East South Central.....	11,713,504	—	-385,236	-3.3	210,154,917	215,124,577	-4,969,660	-2.3	150,975,613	93,440,189	57,535,424	61.6
West South Central.....	14,912,067	11,181,133	3,730,934	33.4	233,402,007	245,126,328	-11,724,321	-4.8	143,035,538	78,023,063	65,012,485	83.3
Mountain.....	463,991	160,211	303,780	189.6	7,326,043	2,647,733	4,678,310	176.7	4,587,706	1,330,750	3,256,956	244.8
Pacific.....	95,248	81,405	13,843	17.0	2,288,683	2,055,322	233,361	11.4	1,792,208	960,850	831,358	86.5
<b>NEW ENGLAND:</b>												
Maine.....	15,213	16,856	-1,643	-9.7	648,882	643,040	5,842	0.6	434,834	326,824	108,010	33.0
New Hampshire.....	19,814	25,694	-5,880	-22.9	916,263	1,080,720	-164,457	-15.2	621,306	538,738	82,568	15.3
Vermont.....	42,887	60,633	-17,746	-29.3	1,715,133	2,322,450	-607,317	-26.2	1,102,222	1,180,505	-78,283	-6.6
Massachusetts.....	41,755	39,131	2,624	6.7	2,029,381	1,539,980	489,401	31.8	1,372,144	771,277	600,867	77.9
Rhode Island.....	9,679	8,149	1,530	18.8	398,193	288,220	109,973	38.2	335,629	164,138	171,491	104.5
Connecticut.....	52,717	47,914	4,803	10.0	2,530,542	1,931,510	599,032	31.0	1,693,939	994,855	699,084	70.3
<b>MIDDLE ATLANTIC:</b>												
New York.....	512,442	658,652	-146,210	-22.2	18,115,634	20,024,850	-1,909,216	-9.5	11,439,169	9,181,782	2,257,387	24.6
New Jersey.....	265,441	295,258	-29,817	-10.1	10,090,731	10,978,800	-978,069	-8.9	6,664,162	4,533,473	2,130,689	47.0
Pennsylvania.....	1,380,671	1,480,833	-100,162	-6.8	41,494,237	51,869,780	-10,375,543	-20.0	27,330,860	21,896,795	5,434,065	24.8
<b>EAST NORTH CENTRAL:</b>												
Ohio.....	3,916,050	3,826,013	90,037	2.4	157,513,300	152,055,390	5,457,910	3.6	82,327,269	48,037,895	34,289,374	71.4
Indiana.....	4,901,054	4,499,249	401,805	8.9	195,496,433	178,967,070	16,529,363	9.2	98,437,958	51,732,946	46,685,012	90.2
Illinois.....	10,045,839	10,266,333	-220,496	-2.1	390,218,676	398,149,140	-7,930,464	-2.0	198,350,496	115,075,901	83,274,595	72.4
Michigan.....	1,589,596	1,501,189	88,407	5.9	52,906,842	44,584,130	8,322,712	18.7	29,580,929	17,798,011	11,782,918	66.2
Wisconsin.....	1,457,652	1,497,474	-39,822	-2.7	49,163,034	53,309,510	-4,146,476	-7.8	25,727,654	15,906,822	9,821,832	61.8
<b>WEST NORTH CENTRAL:</b>												
Minnesota.....	2,004,068	1,441,580	562,488	39.0	67,897,051	47,256,920	20,640,131	43.7	30,510,145	11,337,105	19,173,040	169.1
Iowa.....	9,229,378	9,084,076	574,698	-5.9	343,453,190	383,453,190	-41,702,730	-10.9	167,622,834	97,297,707	70,325,127	72.3
Missouri.....	7,113,993	7,423,683	-309,730	-4.2	191,427,087	208,844,870	-17,417,783	-8.3	107,347,303	61,246,305	46,100,728	75.3
North Dakota.....	185,122	62,373	122,749	196.8	4,941,152	1,284,870	3,656,282	284.6	2,403,303	397,275	2,006,025	505.0
South Dakota.....	2,037,658	1,196,381	841,277	70.3	55,558,737	32,402,540	23,156,197	71.5	26,395,985	7,263,127	19,132,858	263.4
Nebraska.....	7,266,057	7,335,187	-69,130	-0.9	180,132,807	210,974,740	-30,841,933	-14.6	88,234,546	51,251,213	36,983,633	72.2
Kansas.....	8,109,061	8,266,018	-156,957	-1.9	154,651,703	229,937,430	-75,285,727	-32.7	80,750,803	58,079,738	22,671,065	39.0
<b>SOUTH ATLANTIC:</b>												
Delaware.....	188,755	192,025	-3,270	-1.7	4,839,548	4,736,580	102,968	2.2	2,903,442	1,725,452	1,177,990	68.3
Maryland.....	647,012	658,010	-10,998	-1.7	17,911,436	19,766,510	-1,855,074	-9.4	11,015,298	7,462,594	3,552,704	47.6
District of Columbia.....	426	462	-36	-7.8	12,667	14,980	-2,313	-15.4	9,635	6,322	3,313	52.4
Virginia.....	1,860,359	1,910,085	-49,726	-2.6	38,295,141	36,748,410	1,546,731	4.2	28,885,944	16,233,756	12,652,188	77.9
West Virginia.....	676,311	724,646	-48,335	-6.7	17,119,097	16,610,730	508,367	3.1	11,907,261	7,698,335	4,208,926	54.7
North Carolina.....	2,459,457	2,720,206	-260,749	-9.6	34,063,531	34,818,860	-755,329	-2.2	31,286,102	17,304,407	13,981,695	80.8
South Carolina.....	1,565,832	1,772,057	-206,225	-11.6	20,871,946	17,423,610	3,448,336	19.8	20,682,632	9,149,808	11,532,824	126.0
Georgia.....	3,383,061	3,477,684	-94,623	-2.7	39,374,569	34,032,230	5,342,339	15.7	37,079,981	17,155,368	19,924,113	116.1
Florida.....	605,771	569,567	36,204	6.4	7,033,767	5,311,050	1,712,717	32.2	5,709,009	2,669,509	3,039,500	113.9
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	3,436,340	3,319,257	117,083	3.5	83,348,024	73,974,420	9,373,504	12.7	50,449,112	29,423,966	21,025,116	71.5
Tennessee.....	3,146,348	3,374,574	-228,226	-6.8	67,682,489	67,307,390	375,099	0.6	45,819,093	28,059,508	17,759,585	63.3
Alabama.....	2,572,968	2,743,360	-170,392	-6.2	30,695,737	35,053,047	-4,357,310	-12.4	28,677,032	17,082,751	11,594,281	67.9
Mississippi.....	2,172,612	2,276,313	-103,701	-4.6	28,428,667	38,789,920	-10,361,253	-26.7	26,030,376	18,373,934	7,656,442	37.9
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	2,277,116	2,317,742	-40,626	-1.8	37,609,544	44,144,098	-6,534,554	-14.8	27,910,044	17,572,170	10,337,874	58.8
Louisiana.....	1,590,830	1,343,756	247,074	18.4	26,010,361	22,062,580	3,947,781	17.9	16,480,322	10,327,723	6,152,599	59.6
Oklahoma.....	5,914,069	12,501,945	-3,412,124	-18.4	94,283,407	68,949,300	25,334,107	36.7	45,080,554	15,698,289	29,382,265	206.3
Texas.....	5,130,082	5,017,690	112,392	2.2	75,498,695	109,970,350	-34,471,655	-31.3	50,564,618	34,424,871	16,139,747	46.9
<b>MOUNTAIN:</b>												
Montana.....	9,514	3,301	6,213	188.2	274,103	75,838	198,265	261.4	185,367	41,626	143,741	345.3
Idaho.....	9,194	4,562	4,632	101.7	318,181	111,528	206,653	185.3	191,395	55,580	135,815	242.5
Wyoming.....	9,268	1,976	7,292	369.0	176,354	38,000	138,354	364.1	101,465	19,569	81,896	418.5
Colorado.....	326,559	85,256	241,303	283.0	4,903,304	1,275,680	3,627,624	284.4	2,673,584	508,488	2,165,096	428.8
New Mexico.....	85,999	41,345	44,654	108.0	1,164,970	677,305	487,665	72.0	984,652	419,036	564,116	134.3
Arizona.....	15,605	11,654	3,951	33.9	298,664	204,748	93,916	45.9	293,847	151,564	142,283	93.9
Utah.....	7,267	11,517	-4,250	-36.9	169,688	250,020	-80,332	-32.1	134,396	121,872	12,524	10.3
Nevada.....	585	580	5	0.9	20,779	14,614	6,165	42.2	23,600	11,845	11,755	99.2
<b>PACIFIC:</b>												
Washington.....	26,033	10,483	15,550	148.3	563,025	218,706	344,319	157.4	404,367	104,263	300,104	287.8
Oregon.....	17,280	16,992	288	1.7	451,757	359,523	92,234	25.7	310,430	155,693	154,737	99.4
California.....	51,935	63,930	-11,995	-3.7	1,273,901	1,477,093	-203,192	-13.8	1,077,411	700,894	376,517	53.7

1 Includes Indian Territory.

**Wheat.**—For the United States as a whole the area harvested in 1909 was 44,263,000 acres, as compared with 52,589,000 acres in 1899, a decrease of 15.8 per cent. On the other hand, the production in 1909 was 683,000,000 bushels, or 3.8 per cent greater than in 1899, when it was 659,000,000 bushels. The value of the crop of 1909 was \$658,000,000, an advance of \$288,000,000, or 77.8 per cent, over the value in 1899, \$370,000,000. Wheat in 1909 occupied 9.3 per cent of the total improved farm land, and its value represented 12 per cent of the total for all crops. Details in regard to the production of wheat in 1909 and 1899 are given in Table 25, while a summary of averages and percentages, derived mainly from this table, is given in Table 24.

**Table 24**

DIVISION OR STATE.	ACREAGE: 1909		AVERAGE YIELD IN BUSHELS PER ACRE.		AVERAGE VALUE PER BUSHEL.		AVERAGE VALUE PER ACRE.	
	Per cent of United States total.	Per cent of improved land.	1909	1899	1909	1899	1909	1899
<b>United States...</b>	<b>100.0</b>	<b>9.3</b>	<b>15.4</b>	<b>12.5</b>	<b>\$0.96</b>	<b>\$0.56</b>	<b>\$14.88</b>	<b>\$7.03</b>
New England.....	(1)	0.1	23.5	18.0	1.07	0.89	25.04	15.99
Middle Atlantic.....	2.6	5.5	18.6	14.9	1.07	0.88	19.81	10.46
East North Central..	15.9	7.9	17.2	12.9	1.01	0.63	17.32	8.17
West North Central..	58.4	15.7	14.8	12.2	0.95	0.52	14.07	5.35
South Atlantic.....	5.1	4.6	11.9	9.5	1.08	0.72	12.82	6.80
East South Central..	3.9	3.0	11.7	9.0	1.03	0.65	12.05	5.80
West South Central..	3.5	2.7	11.0	11.9	1.01	0.53	11.10	6.22
Mountain.....	2.9	8.1	23.1	19.2	0.87	0.48	20.17	9.24
Pacific.....	7.6	15.2	17.7	15.6	0.88	0.49	15.56	7.06
<b>North Dakota.....</b>	<b>18.5</b>	<b>40.0</b>	<b>14.3</b>	<b>13.5</b>	<b>0.93</b>	<b>0.53</b>	<b>13.33</b>	<b>7.13</b>
Kansas.....	13.5	20.0	13.0	10.2	0.95	0.49	12.40	5.03
Minnesota.....	7.4	16.7	14.4	14.5	0.98	0.53	17.69	7.71
South Dakota.....	7.5	20.3	14.6	10.5	0.91	0.50	13.33	5.26

<sup>1</sup> Less than one-tenth of 1 per cent.

Considerably more than one-half of the acreage in wheat in 1909 was found in the West North Central division. The East North Central division, which reported the next largest acreage, contained 15.9 per cent of the total, and the Pacific, which is third in rank, 7.6 per cent. The map on page 384 shows the distribution of the wheat acreage among the states.

Wheat occupies in the United States as a whole nearly 10 per cent of the improved land in farms, but in the West North Central and Pacific divisions the proportion exceeds 15 per cent. The proportion is insignificant in the New England division and is smaller in the southern than in the other northern divisions.

The leading state in wheat production is North Dakota, with an acreage exceeding 8,000,000 and greater than that of any geographic division except the West North Central, in which the state is situated. Kansas, with nearly 6,000,000 acres of wheat, and Minnesota and South Dakota, with over 3,000,000, follow. The four states named have nearly 21,000,000 acres in wheat, or over two-fifths of the wheat acreage of the United States.

Between 1899 and 1909 there was a gain of 778,000 acres, or 3.1 per cent, in the West North Central division and a gain about half as large in the Mountain division. In all other divisions the acreage decreased, the greatest absolute loss being that of over 3,000,000 acres in the East North Central division. Of the 48 states reporting wheat, 37 show a loss in acreage.

Among the four leading states already mentioned, North Dakota and Kansas show conspicuous gains in acreage, but South Dakota and Minnesota show decreases, the acreage in the latter having fallen off one-half.

The average yield of wheat in 1909 was 15.4 bushels per acre. Of the divisions with a large acreage, the West North Central had a slightly lower and the East North Central and Pacific a slightly higher yield per acre than the average for the United States. The three southern divisions fell considerably below that average. As compared with the yield of 12.5 bushels per acre in 1899, that of 1909 was considerably larger. With the exception of the West South Central division, larger yields were reported in all the divisions in 1909 than in 1899, and the same was true of each of the four leading wheat states listed in the table.

In the country as a whole the increased yield per acre was sufficient to counterbalance the decrease in acreage. In the West North Central and Mountain divisions, which gained in acreage, there was a still greater gain in production. In the other divisions, except the West South Central, the loss in production was not so great as in acreage. In the states of North Dakota and Kansas, the percentage of increase in production was greater than that in acreage. In South Dakota the increased yield per acre caused an increase in production, although the acreage was smaller, and in Minnesota the loss in production was less pronounced than that in acreage.

The average value of wheat per bushel in 1909 was \$0.96, but three divisions only, the West North Central, Mountain, and Pacific, reported an average value of less than \$1. This represents an enormous increase over the value in 1899, when the average for the United States was \$0.56 per bushel. The average value of the wheat crop per acre more than doubled between 1899 and 1909. In each division, except the New England, East South Central, and West South Central divisions, the increase in average value per bushel more than offset the loss in production and the total crop had a greater aggregate value in 1909 than in 1899. It may, however, be noted that 20 states show a falling off in the value of the wheat crop, the most notable decreases being in California, Texas, and Iowa.

In 1899 the per capita production of wheat was 8.7 bushels and in 1909, 7.4 bushels. This falling off in production per capita was counterbalanced largely by a decrease in the amount exported. Wheat imports are insignificant and may be disregarded. In the year ending June 30, 1900, there was exported in the form of wheat and flour the equivalent of 186,097,000 bushels, or 28.3 per cent of the crop of 1899. Ten years later the exports were only 87,364,000 bushels, or 12.8 per cent of the crop of 1909. For home consumption there remained of the crop of 1899, 472,437,000 bushels, or 6.2 bushels per capita, as compared with 596,015,000 bushels, or 6.5 bushels per capita, retained of the crop of 1909.



# FARM CROPS, BY STATES.

381

WHEAT—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.

[A minus sign (—) denotes decrease.]

Table 25

DIVISION OR STATE.	ACREAGE.				PRODUCTION (BUSELS).				VALUE.			
	1909	1899	Increase.		1909	1899	Increase.		1909	1899	Increase.	
			Amount.	Per ct.			Amount.	Per ct.			Amount.	Per ct.
United States.....	44,262,592	52,598,574	-8,325,982	-15.8	683,379,259	658,534,252	24,845,007	3.8	\$657,656,801	\$369,945,320	\$287,711,481	77.8
GEOGRAPHIC DIVISIONS:												
New England.....	4,893	9,237	-4,344	-47.0	114,998	166,125	-51,127	-30.8	122,532	147,742	-25,210	-17.1
Middle Atlantic.....	1,598,325	2,204,350	-606,025	-27.5	29,717,833	32,947,945	-3,230,112	-9.8	31,965,041	22,393,223	9,271,818	41.4
East North Central.....	7,039,364	10,410,893	-3,372,529	-32.4	121,097,675	134,695,890	-13,601,215	-10.1	121,853,650	85,051,479	36,804,171	43.3
West North Central.....	25,863,556	25,085,305	778,251	3.1	384,092,121	396,602,028	-12,509,907	-3.2	363,932,162	159,281,250	204,651,012	128.5
South Atlantic.....	2,241,345	3,368,872	-1,127,527	-33.5	26,650,768	31,902,837	-5,252,069	-16.5	28,725,004	22,903,064	5,821,940	25.4
East South Central.....	1,315,243	2,087,483	-1,672,240	-56.0	15,374,422	26,554,542	-11,180,120	-42.7	15,851,025	17,339,440	-1,488,415	-8.6
West South Central.....	1,556,087	2,304,687	-1,378,600	-47.0	17,096,127	35,046,935	-17,950,808	-51.2	17,278,603	18,547,956	-1,269,353	-6.9
Mountain.....	1,255,360	942,858	342,502	36.3	29,654,968	18,084,369	11,570,598	64.0	25,930,395	8,715,518	17,214,877	197.5
Pacific.....	3,359,419	4,044,886	-1,285,467	-27.7	59,580,347	72,230,570	-12,650,223	-17.5	52,275,359	35,565,648	16,709,711	47.0
NEW ENGLAND:												
Maine.....	3,407	6,667	-3,260	-48.9	85,119	116,720	-31,601	-27.1	91,554	107,396	-15,842	-14.8
New Hampshire.....	70	271	-201	-74.2	1,311	4,035	-2,724	-67.5	1,406	3,428	-2,022	-59.0
Vermont.....	678	1,796	-1,118	-62.2	14,087	34,650	-20,563	-59.3	14,279	29,078	-14,799	-50.9
Massachusetts.....	109	95	14	(1)	2,404	1,750	654	37.4	2,516	1,515	1,000	66.0
Rhode Island.....	13	15	-2	(1)	208	310	-102	-32.9	211	245	-34	-13.9
Connecticut.....	616	393	223	56.7	11,869	8,660	3,209	37.1	12,567	6,080	6,487	106.7
MIDDLE ATLANTIC:												
New York.....	289,130	557,736	-268,606	-48.2	6,664,121	10,412,675	-3,748,554	-36.0	7,175,523	7,332,597	-157,074	-2.1
New Jersey.....	83,637	132,571	-48,934	-36.9	1,489,233	1,902,590	-413,357	-21.7	1,568,880	1,347,630	221,250	16.4
Pennsylvania.....	1,225,558	1,514,043	-288,485	-19.1	21,564,479	20,632,680	931,799	4.5	22,920,638	13,712,976	9,207,662	67.1
EAST NORTH CENTRAL:												
Ohio.....	1,827,932	3,209,074	-1,381,142	-43.0	30,663,704	30,376,800	-286,904	-0.9	31,112,975	32,555,534	-1,442,559	-4.4
Indiana.....	2,082,835	2,893,293	-810,458	-28.0	33,935,972	34,986,280	-1,050,308	-3.0	33,593,141	22,228,916	11,364,225	51.1
Illinois.....	2,185,091	1,826,143	358,948	19.7	37,830,732	19,795,500	18,035,232	91.1	38,000,712	11,929,458	26,071,254	218.6
Michigan.....	802,137	1,925,769	-1,123,632	-58.3	16,025,791	20,535,140	-4,509,349	-22.0	16,586,868	12,921,925	3,664,943	28.4
Wisconsin.....	140,369	556,614	-416,245	-74.8	2,641,476	9,005,170	-6,363,694	-70.7	2,591,954	5,115,346	-2,523,392	-49.5
WEST NORTH CENTRAL:												
Minnesota.....	3,276,911	6,560,707	-3,283,796	-50.1	57,094,412	95,278,660	-38,184,248	-40.1	66,007,435	50,601,948	15,405,487	30.7
Iowa.....	526,777	1,690,705	-1,163,928	-68.8	8,055,944	22,760,440	-14,704,496	-64.6	7,703,205	11,457,805	-3,754,600	-32.8
Missouri.....	2,017,128	2,056,219	-39,091	-1.9	29,837,429	23,072,768	6,764,661	29.3	29,926,209	13,520,012	16,406,197	121.3
North Dakota.....	8,188,782	4,451,251	3,737,531	84.0	116,731,858	50,888,810	65,843,048	129.6	109,129,869	33,733,763	75,396,106	223.9
South Dakota.....	3,217,255	3,984,639	-767,384	-19.3	47,059,590	41,889,380	5,170,210	12.3	42,878,223	20,957,917	21,920,306	104.6
Nebraska.....	2,662,918	2,538,949	123,969	4.9	47,685,745	24,924,520	22,761,225	91.3	44,225,390	11,877,347	32,348,043	272.4
Kansas.....	5,973,785	3,903,818	2,069,967	52.0	77,577,115	38,778,450	38,798,665	100.0	74,052,291	19,132,455	54,919,836	287.0
SOUTH ATLANTIC:												
Delaware.....	111,215	118,740	-7,525	-6.3	1,643,572	1,870,570	-226,998	-12.1	1,697,539	1,247,055	450,484	36.1
Maryland.....	589,893	634,446	-44,553	-7.0	9,463,457	9,671,800	-208,343	-2.2	9,876,480	6,484,058	3,392,392	52.3
District of Columbia.....	17	17	0	0	410	410	0	0	349	349	0	0
Virginia.....	692,907	927,266	-234,359	-25.3	8,076,989	8,907,510	-830,521	-9.3	8,776,061	6,161,000	2,615,061	42.4
West Virginia.....	209,315	447,928	-238,613	-53.3	2,575,996	4,326,150	-1,750,154	-40.5	2,697,141	3,040,314	-343,173	-11.3
North Carolina.....	501,912	746,994	-245,072	-32.8	8,827,145	4,342,351	4,484,794	103.3	4,420,322	3,463,726	956,596	27.6
South Carolina.....	43,023	174,245	-131,212	-75.3	310,614	1,017,319	-706,705	-69.5	385,835	958,158	-572,323	-59.7
Georgia.....	93,065	319,161	-226,096	-70.8	752,858	1,765,947	-1,013,089	-57.4	871,494	1,547,773	-676,279	-43.7
Florida.....	10	85	-75	(1)	137	800	-663	-82.9	132	601	-469	-78.0
EAST SOUTH CENTRAL:												
Kentucky.....	651,323	1,431,027	-779,704	-54.5	8,739,260	14,264,500	-5,525,240	-38.7	8,812,469	9,923,760	-1,111,291	-11.2
Tennessee.....	619,861	1,426,112	-806,251	-62.6	6,516,539	11,924,010	-5,407,471	-45.3	6,913,335	7,882,697	-969,362	-12.3
Alabama.....	13,665	123,897	-110,232	-89.0	113,063	628,775	-515,712	-81.9	120,873	502,240	-381,367	-75.9
Mississippi.....	394	6,447	-6,053	-93.9	4,670	37,257	-32,587	-87.5	4,348	30,743	-26,395	-85.9
WEST SOUTH CENTRAL:												
Arkansas.....	60,426	379,435	-319,027	-84.1	526,414	2,449,970	-1,923,556	-78.5	632,712	1,383,916	-651,204	-47.1
Louisiana.....	65	214	-149	-69.6	488	2,345	-1,857	-79.2	508	1,888	-1,380	-73.1
Oklahoma.....	1,169,420	1,527,073	-357,653	-23.4	14,008,334	20,328,300	-6,319,966	-31.1	13,854,322	10,110,675	3,743,647	37.0
Texas.....	326,176	1,027,947	-701,771	-68.3	2,560,891	12,266,320	-9,705,429	-79.1	2,591,961	7,051,477	-4,460,416	-59.0
MOUNTAIN:												
Montana.....	258,377	92,132	166,245	180.4	6,251,945	1,899,683	4,352,262	229.1	5,329,389	1,077,210	4,252,179	394.7
Idaho.....	399,234	266,305	132,929	49.0	10,237,609	5,340,180	4,897,429	91.7	8,412,587	2,131,953	6,280,634	294.6
Wyoming.....	41,968	19,416	22,552	116.2	738,698	348,890	389,808	110.8	644,251	191,195	453,056	236.4
Colorado.....	340,729	294,949	45,780	15.5	7,224,057	5,587,770	1,636,287	29.3	6,463,926	2,809,370	3,654,556	130.1
New Mexico.....	32,341	37,907	-5,566	-14.7	499,799	603,303	-103,504	-17.2	508,726	390,616	118,110	30.2
Arizona.....	20,028	24,377	-4,349	-17.8	362,875	440,252	-77,377	-17.6	410,214	276,639	133,575	48.3
Utah.....	178,423	180,235	-10,812	-5.7	3,943,910	3,413,470	530,440	15.5	3,765,071	1,575,064	2,189,953	139.0
Nevada.....	14,260	18,537	-4,277	-23.1	396,075	450,912	-54,737	-12.1	396,285	263,471	132,814	50.4
PACIFIC:												
Washington.....	2,118,015	1,085,102	1,029,913	94.7	40,920,390	21,187,527	19,732,863	93.1	35,102,370	9,028,209	26,074,161	288.8
Oregon.....	763,187	873,379	-110,192	-12.6	12,456,751	14,608,636	-2,051,885	-14.1	10,849,036	6,838,395	4,010,641	70.6
California.....	478,217	2,683,405	-2,205,188	-82.2	6,203,206	36,534,407	-30,331,201	-83.0	6,323,983	20,179,044	-13,855,061	-68.7

1 Per cent not calculated where base is less than 100.

\* Includes Indian Territory.

**Oats.**—The acreage of oats harvested in the United States increased from 29,540,000 in 1899 to 35,159,000 in 1909, or 19 per cent, while the production increased 6.8 per cent, from 943,000,000 bushels in 1899 to 1,007,000,000 bushels in 1909. The value of the crop, however, which was \$217,000,000 in 1899, was \$415,000,000 in 1909, or 91 per cent greater. The acreage of oats in 1909 was 7.3 per cent of the total improved farm acreage, and their value 7.6 per cent of the total for all crops. Detailed figures concerning the production of oats in 1909 and 1899 are given in Table 27, and a summary of the averages and percentages for the geographic divisions and leading states, derived mainly from this table, is presented in Table 26. The map on page 385 shows how the acreage of oats is distributed among the states.

**Table 26**

DIVISION OR STATE.	ACREAGE: 1909		AVERAGE YIELD IN BUSHELS PER ACRE.		AVERAGE VALUE PER BUSHEL.		AVERAGE VALUE PER ACRE.	
	Per cent of total.	Per cent of land proved.	1909	1899	1909	1899	1909	1899
	1909	1899	1909	1899	1909	1899	1909	1899
<b>United States</b> .....	100.0	7.3	28.6	31.9	\$0.41	\$0.23	\$11.79	\$7.35
New England.....	0.6	3.1	32.9	35.9	0.55	0.35	18.04	12.72
Middle Atlantic.....	7.2	8.6	25.5	30.9	0.51	0.31	12.15	9.30
East North Central.....	31.9	12.6	33.3	37.4	0.40	0.22	13.27	8.12
West North Central.....	44.7	9.6	27.5	32.0	0.38	0.21	10.35	6.60
South Atlantic.....	3.9	2.8	15.5	11.7	0.63	0.39	9.78	4.63
East South Central.....	2.5	2.0	13.4	11.1	0.56	0.35	7.51	3.88
West South Central.....	3.6	2.2	21.4	25.8	0.47	0.23	10.00	5.83
Mountain.....	3.3	7.3	34.9	30.4	0.48	0.38	16.90	11.41
Pacific.....	2.3	3.6	35.3	31.4	0.48	0.33	16.91	10.23
Iowa.....	13.2	15.8	27.5	35.9	0.38	0.20	10.54	7.08
Illinois.....	11.9	14.9	36.0	39.5	0.40	0.21	14.29	8.09
Minnesota.....	8.5	15.2	31.5	33.6	0.36	0.21	11.43	7.19
Nebraska.....	6.5	9.7	22.6	30.1	0.36	0.20	8.22	5.99
Wisconsin.....	6.2	18.2	33.0	35.5	0.40	0.21	13.24	7.58
North Dakota.....	6.1	10.5	30.7	28.3	0.37	0.26	11.23	7.50

Of the total acreage of oats, 44.7 per cent was reported from the West North Central division and 31.9 per cent from the East North Central. In the latter, oats occupy about one-eighth, in the former somewhat less than one-tenth, of the improved land in farms. They are also a crop of some importance in the Middle Atlantic division, in which they occupy about one-twelfth of the improved land in farms.

The leading state in the acreage of oats in 1909 was Iowa, with 4,655,000 acres, closely followed by Illinois, with 4,176,000. Minnesota, Nebraska, Wisconsin, and North Dakota, ranking in the order named, also had each more than 2,000,000 acres in oats. These six leading states had together over 18,000,000 acres of oats in 1909, or more than one-half of the acreage for the whole country.

Comparing 1909 with 1899, the Middle Atlantic and West South Central divisions show an aggregate loss of 257,000 acres, but an aggregate gain of 5,876,000 acres was reported for the remaining divisions, or a net gain of 5,620,000, or 19 per cent, for the whole country. The greatest absolute gain—over 3,600,000 acres—was in the West North Central division, but larger relative increases occurred in the Mountain and Pacific divisions. Among the states, North Dakota shows an increase of over 1,300,000 acres. A gain of

more than 500,000 acres each is also reported for South Dakota, Minnesota, Ohio, and Indiana. Of the six states named above as leading in the acreage of oats, three—Iowa, Illinois, and Wisconsin—show decreases for the decade, while increases took place in the remainder.

The average yield in 1909 of 28.6 bushels per acre for the country as a whole was exceeded in the East North Central division, but was not attained by the West North Central division, nor by the Middle Atlantic division. Of the divisions where the acreage of oats is less important, the New England, Mountain, and Pacific divisions exceeded this average, while the remainder fell below it. For the United States as a whole the average yield per acre in 1909 was somewhat below that of 1899. This was true also of the three divisions with the largest acreage and of the New England and West South Central divisions, but in the other divisions the average yield in 1909 was greater than in 1899.

There was in the United States as a whole a somewhat larger crop of oats in 1909 than in 1899. Two divisions which lost in acreage had also a smaller production, while two others showed a diminished production in combination with an increase in acreage. Among the remaining divisions, the rate of increase in production was considerably less than that in acreage in the West North Central division, which produced over two-fifths of the entire crop, but in the divisions with a smaller production the crop increased more rapidly than the acreage. Among the several states, the largest gain in the production of oats was in North Dakota, where the crop of 1909 was nearly three times as great as that of 1899. A considerable gain was also made in Minnesota, but in the other states which have been noted as leading in acreage there was a diminished production, especially in Iowa, the first on the list as measured by acreage.

The average value per bushel of the oat crop was \$0.41 in 1909, as compared with \$0.23 in 1899, an advance of 78.3 per cent. As is frequently the case, the average values are somewhat higher in the divisions with relatively small production than in those with large production. All divisions, however, show a marked advance for 1909 as compared with 1899. By reason of the smaller yield per acre the value of the crop per acre did not increase in the same proportion as the average value per bushel. As a result of the increased acreage in the country as a whole, however, there was an increase in the aggregate value of the crop, amounting to 91 per cent. This increase is shared by all divisions, though, as already noted, some show a decrease in acreage and some a decrease in production. The effect of the change in value is particularly noticeable in the case of the state of Iowa, which leads in the acreage of oats. In the 10 years the acreage in that state remained practically stationary, the production fell off nearly one-fourth, but the value of the crop increased nearly one-half.

# FARM CROPS, BY STATES.

383

OATS—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.

[A minus sign (—) denotes decrease.]

Table 27

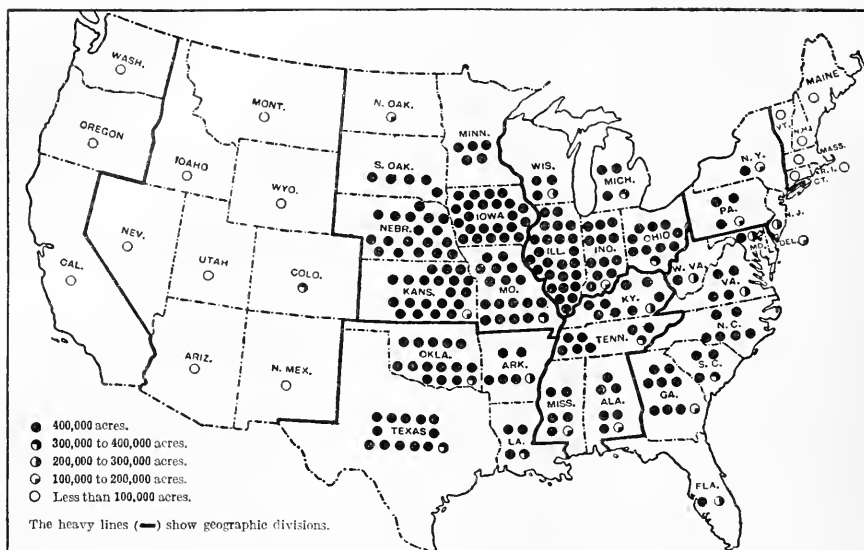
DIVISION OR STATE.	ACREAGE.				PRODUCTION (BUSHELS).				VALUE.			
	1909	1899	Increase.		1909	1899	Increase.		1909	1899	Increase.	
			Amount.	Per ct.			Amount.	Per ct.			Amount.	Per ct.
<b>United States</b> .....	<b>35,159,441</b>	<b>29,539,698</b>	<b>5,619,743</b>	<b>19.0</b>	<b>1,007,142,980</b>	<b>943,389,375</b>	<b>63,753,605</b>	<b>6.8</b>	<b>\$414,687,422</b>	<b>\$217,098,584</b>	<b>\$197,598,838</b>	<b>91.0</b>
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	223,221	212,737	10,484	5.0	7,350,601	7,643,175	—292,574	—3.8	4,027,338	2,705,249	1,322,089	48.9
Middle Atlantic.....	2,518,886	2,579,559	—60,673	—2.4	64,344,715	79,630,320	—15,285,605	—19.2	33,111,736	24,515,326	8,596,410	35.1
East North Central.....	11,225,445	10,687,121	1,338,324	11.3	373,803,573	377,300,555	—3,496,982	—0.9	149,004,229	81,881,022	67,123,207	82.0
West North Central.....	15,710,495	12,109,758	3,600,737	29.7	432,660,477	386,978,611	45,681,866	11.8	162,647,073	79,970,336	82,676,737	103.4
South Atlantic.....	1,368,832	1,268,061	100,771	7.9	21,206,000	14,874,888	6,331,112	42.6	13,388,578	5,869,687	7,518,891	128.1
East South Central.....	870,762	855,842	14,920	1.7	11,646,687	9,480,025	2,166,662	22.9	6,535,286	3,317,185	3,218,101	97.0
West South Central.....	1,276,534	1,472,449	—195,915	—13.3	27,273,695	37,927,478	—10,653,783	—28.1	12,764,241	8,590,119	4,174,122	48.6
Mountain.....	1,164,204	412,190	752,014	182.4	40,604,255	12,519,633	28,084,622	224.3	19,673,773	4,704,766	14,969,007	318.2
Pacific.....	801,062	541,981	259,081	47.8	28,252,977	17,034,670	11,218,307	65.9	13,545,068	5,544,894	8,000,174	144.3
<b>NEW ENGLAND:</b>												
Maine.....	120,991	108,661	12,330	11.3	4,232,309	3,799,435	432,874	11.4	2,293,947	1,374,573	919,374	66.9
New Hampshire.....	10,860	12,589	—1,729	—13.7	386,419	497,110	—110,691	—22.3	216,938	184,025	32,913	17.9
Vermont.....	71,510	73,372	—1,862	—2.5	2,141,357	2,742,140	—600,783	—21.9	1,109,223	941,711	227,512	24.2
Massachusetts.....	7,927	6,702	1,225	18.3	268,500	240,990	27,510	11.4	157,381	84,850	72,531	85.5
Rhode Island.....	1,726	1,530	196	12.8	48,212	47,120	1,092	2.3	28,661	16,631	12,030	72.3
Connecticut.....	10,207	9,883	324	3.3	273,804	316,380	—42,576	—13.5	161,188	103,459	57,729	55.8
<b>MIDDLE ATLANTIC:</b>												
New York.....	1,302,508	1,329,753	—27,245	—2.0	34,795,277	40,785,900	—5,990,623	—14.7	17,977,155	12,929,092	5,048,063	39.0
New Jersey.....	72,130	75,959	—3,829	—5.0	1,376,752	1,601,610	—224,858	—14.0	712,669	492,341	220,328	44.7
Pennsylvania.....	1,144,248	1,173,847	—29,599	—2.5	28,172,686	37,242,810	—9,070,124	—24.4	14,421,972	11,093,893	3,328,079	30.0
<b>EAST NORTH CENTRAL:</b>												
Ohio.....	1,787,496	1,115,149	672,347	60.3	57,591,046	42,050,910	15,540,136	37.0	23,212,352	10,236,251	12,976,101	126.8
Indiana.....	1,667,818	1,017,385	650,433	63.9	50,607,913	34,565,070	16,042,843	46.4	18,928,706	7,458,682	11,470,024	153.8
Illinois.....	4,176,485	4,570,034	—393,549	—8.6	150,386,074	180,305,630	—29,919,556	—16.6	59,693,819	36,990,019	22,703,800	61.4
Michigan.....	1,429,076	1,019,438	409,638	40.2	43,869,502	36,338,145	7,531,357	20.7	18,506,195	9,264,385	9,241,810	99.8
Wisconsin.....	2,164,570	2,365,115	—200,545	—8.5	71,349,038	84,040,800	—12,691,762	—15.1	28,663,257	17,931,685	10,731,572	59.8
<b>WEST NORTH CENTRAL:</b>												
Minnesota.....	2,977,258	2,201,325	775,933	35.2	93,897,717	74,054,150	19,843,567	26.8	34,023,389	15,829,804	18,193,585	114.9
Iowa.....	4,655,154	4,695,391	—40,237	—0.9	128,198,055	108,364,170	—19,833,885	—15.5	49,046,888	33,254,987	15,791,901	47.5
Missouri.....	1,073,325	916,178	157,147	17.2	24,828,501	20,545,350	4,283,151	20.8	10,253,990	4,669,185	5,584,805	119.6
North Dakota.....	2,147,032	780,517	1,366,515	175.1	65,886,702	22,125,331	43,761,371	197.8	24,114,344	5,852,615	18,261,730	312.0
South Dakota.....	1,558,643	691,167	867,476	125.5	43,565,676	19,412,490	24,153,186	124.4	16,444,756	4,114,456	11,930,299	290.0
Nebraska.....	2,365,774	1,924,827	440,947	22.9	53,360,185	58,007,140	—4,646,955	—8.0	19,443,570	11,333,393	8,110,177	71.6
Kansas.....	933,309	900,353	32,956	3.7	22,923,641	24,469,980	—1,546,339	—6.3	9,720,106	4,915,896	4,804,210	97.7
<b>SOUTH ATLANTIC:</b>												
Delaware.....	4,226	5,247	—1,021	—19.5	98,239	131,960	—33,721	—25.6	51,022	43,337	7,685	17.7
Maryland.....	49,210	44,625	4,585	10.3	1,160,663	1,109,560	51,103	4.6	584,395	340,475	243,920	71.6
District of Columbia.....	13	42	—29	(1)	375	620	—245	—39.5	165	206	—41	—19.9
Virginia.....	204,455	275,394	—70,939	—25.8	2,884,495	3,269,430	—384,935	—11.8	1,609,973	1,103,616	506,357	45.9
West Virginia.....	103,758	99,433	4,325	4.3	1,728,806	1,833,840	—105,034	—5.7	912,388	637,176	275,212	43.2
North Carolina.....	228,120	270,876	—42,756	—15.8	2,782,508	2,454,768	327,740	13.4	1,741,561	991,516	750,045	75.6
South Carolina.....	324,180	222,544	101,636	45.7	5,745,291	2,661,670	3,083,621	115.9	3,809,345	1,226,575	2,582,770	210.6
Georgia.....	411,664	318,433	93,231	29.3	6,199,243	3,115,610	3,083,633	99.0	4,236,625	1,383,758	2,852,867	206.2
Florida.....	43,206	31,467	11,739	37.3	606,380	297,430	308,950	103.9	443,104	143,028	300,076	209.8
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	174,315	316,590	—142,275	—44.9	2,406,064	4,009,830	—1,603,766	—40.0	1,216,187	1,247,928	—31,741	—2.5
Tennessee.....	342,086	235,313	106,773	45.4	4,720,692	2,725,330	1,995,362	73.2	2,378,464	887,940	1,490,524	167.9
Alabama.....	257,276	216,873	40,403	18.6	3,251,146	1,882,606	1,369,086	72.7	2,117,703	977,684	1,139,019	165.5
Mississippi.....	97,085	87,066	10,019	11.5	1,268,785	862,805	405,980	47.1	822,932	383,633	439,299	114.5
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	197,449	280,115	—82,666	—29.5	3,212,801	3,909,000	—696,109	—17.8	1,641,732	1,263,101	378,631	30.0
Louisiana.....	29,711	28,033	1,678	6.0	420,033	316,070	103,963	32.9	250,588	117,312	133,276	113.6
Oklahoma.....	609,373	317,076	292,297	92.2	16,006,154	9,511,740	7,094,414	74.6	7,172,267	1,968,915	5,203,352	264.3
Texas.....	440,001	847,225	—407,224	—48.1	7,034,017	24,190,608	—17,156,651	—70.9	3,699,634	2,590,791	—1,541,157	—29.4
<b>MOUNTAIN:</b>												
Montana.....	333,195	133,938	199,257	148.8	13,805,735	4,746,231	9,059,504	190.9	6,148,021	1,790,938	4,357,083	243.3
Idaho.....	302,783	64,739	238,044	367.7	11,328,166	1,956,498	9,371,668	479.0	5,067,051	702,955	4,364,096	620.8
Wyoming.....	124,053	26,892	97,143	361.2	3,361,425	763,370	2,598,055	340.4	1,828,711	292,620	1,536,081	524.9
Colorado.....	275,948	120,952	154,996	128.1	7,642,855	3,080,130	4,562,725	148.1	4,177,267	1,121,745	3,055,522	272.4
New Mexico.....	33,707	15,548	17,859	112.7	720,560	342,777	377,783	110.2	439,306	134,347	304,959	197.6
Arizona.....	5,867	1,641	4,226	257.5	189,312	43,246	146,066	337.7	130,354	21,144	109,210	516.7
Utah.....	80,816	43,394	37,422	86.2	3,221,289	1,436,225	1,785,064	124.3	1,671,065	553,847	1,117,218	201.7
Nevada.....	7,853	4,786	3,067	64.1	334,973	151,176	183,797	121.6	191,968	67,160	124,808	185.9
<b>PACIFIC:</b>												
Washington.....	269,742	126,841	142,901	112.7	13,228,003	5,336,456	7,891,517	147.9	5,870,857	1,765,547	4,105,310	232.5
Oregon.....	339,162	261,406	77,756	29.7	10,881,286	6,722,828	4,158,458	61.8	5,037,164	2,078,950	2,958,214	142.3
California.....	192,158	153,734	38,424	25.0	4,143,686	4,972,336	—828,668	—16.7	2,637,047	1,700,397	936,650	55.1

<sup>1</sup> Per cent not calculated where base is less than 100.

<sup>2</sup> Includes Indian Territory.

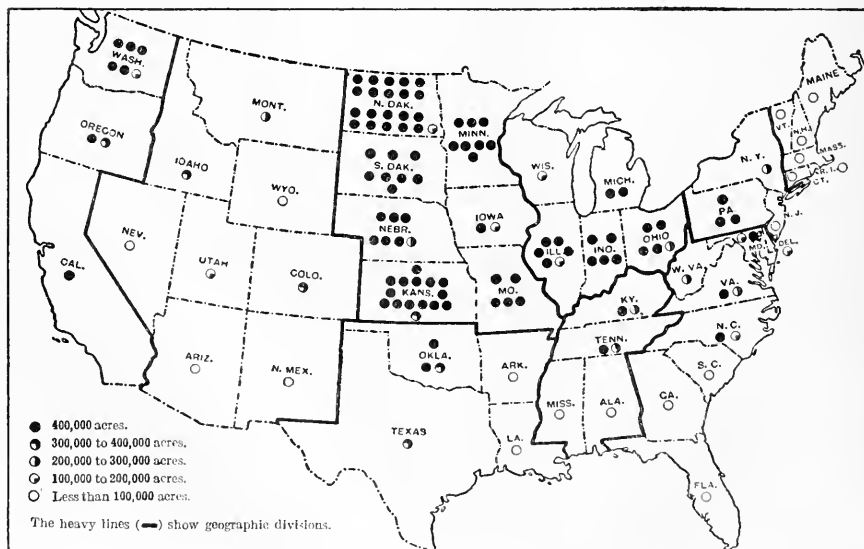
## CORN.

ACREAGE, BY STATES: 1909.



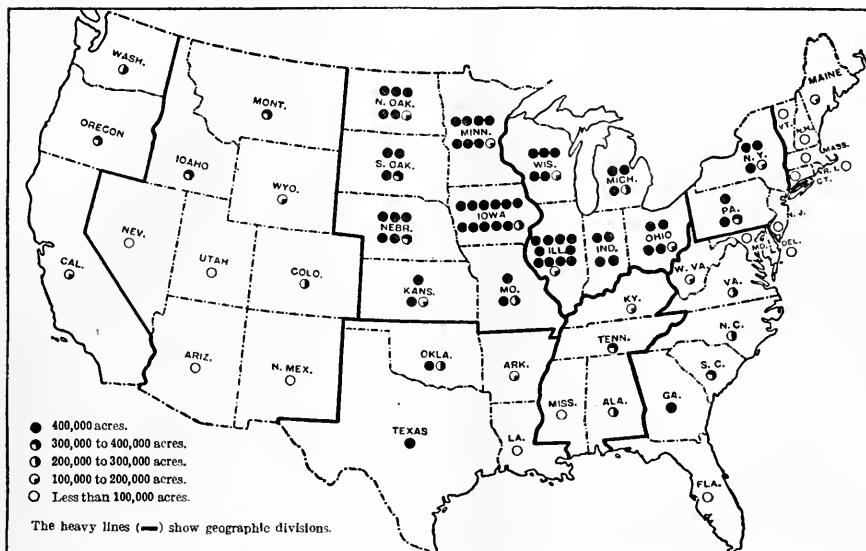
## WHEAT.

ACREAGE, BY STATES: 1909.



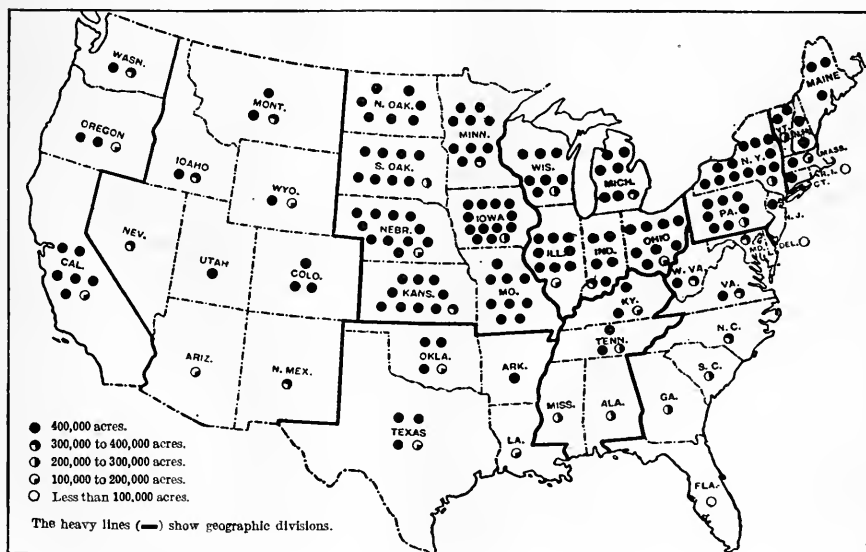
## OATS.

ACREAGE, BY STATES: 1909.



## HAY AND FORAGE.

ACREAGE, BY STATES: 1909.



**Minor cereals.**—The minor cereals occupy only 7.1 per cent of the entire acreage devoted to cereals in the United States. Statistics are given for each in Tables 28 to 33.

**Barley.**—Of the minor cereals, barley (Table 28), which occupies 4 per cent of the entire cereal acreage of the United States, is by far the most important. Of the aggregate barley acreage of 7,698,706, considerably more than one-half was found in the West North Central division. Other divisions where this is an important crop are the Pacific and the East North Central, the three divisions named containing together 94.1 per cent of the total acreage in 1909. Four states, Minnesota, North Dakota, California, and South Dakota, ranking in the order named, have an acreage in excess of 1,000,000 each, and together contain more than two-thirds of the total for the whole country. Large acreages are also reported for Wisconsin and Iowa.

The acreage in barley was larger in 1909 than in 1899 by 3,228,510 acres, or 72.2 per cent. Almost three-fourths of this increase was reported from the West North Central division, where the acreage more than doubled during the period. The percentage of increase in the Mountain division was greater than in any other. Only in divisions of small acreage was there a decrease. In the three divisions which led in acreage there was an increase in the acreage of every state except Ohio and Iowa.

The crop of 1909, 173,000,000 bushels, exceeded that of 1899, 120,000,000 bushels, by 44.9 per cent, the average yield per acre being 22.5 bushels in 1909 and 26.8 bushels in 1899. The increase in production in 1909 over 1899 for the country as a whole was therefore somewhat less relatively than the increase in acreage. The same statement is true for each of the divisions which are prominent in the production of barley, but in some of the less important divisions the increase in production was greater than that in acreage. Divisions with a decreased acreage had also a decreased production. In the three divisions which led in production all the states, with the exception of Ohio, Iowa, Indiana, and Nebraska, show increases in production.

The value of the crop in 1909, \$92,459,000 (equal to 1.7 per cent of the total value of crops) was more than twice as great as in 1899, the average value per bushel increasing from 35 to 53 cents, or 51.4 per cent, and the average value per acre from \$9.31 to \$12.01, or 29 per cent. In the New England, Middle Atlantic, and West South Central divisions there was a decrease in total value, but it was considerably less relatively than that in either acreage or production.

**Rye.**—Judged by acreage, rye (Table 29) is somewhat less than one-third as important as barley. Of the 2,195,561 acres in rye in the United States in 1909

about three-fourths were located east of the Mississippi River. The leading division in acreage is the East North Central, the Middle Atlantic ranking next. There is, however, almost no difference in the acreage of the West North Central and the Middle Atlantic divisions. The leading states in the acreage of rye are Michigan, Wisconsin, Pennsylvania, and Minnesota, in the order named. Together these four states reported in 1909 nearly 1,300,000 acres, or more than one-half of the area devoted to rye in the United States.

The increase in the acreage of rye in 1909 as compared with 1899 amounted to 6.9 per cent. Five divisions, including two with a considerable acreage of this crop—the Middle Atlantic and the West North Central—show decreases, while increases occurred in four divisions. The gain was conspicuous in the principal rye producing section, the East North Central, where it amounted to 43.2 per cent. A much larger percentage of increase is shown for the Mountain division, but the absolute gain in acreage was less than one-tenth as large. Of the four leading states, Michigan and Minnesota more than doubled their rye acreage, but Wisconsin and Pennsylvania both show a decrease.

The production in 1909, 29,520,000 bushels, was 15.5 per cent greater than in 1899, indicating, in connection with the increase of only 6.9 per cent in acreage, a greater yield per acre for the crop as a whole (13.4 bushels in 1909 and 12.4 in 1899). The divisions which lost in acreage had also, with the exception of the West North Central division, a smaller production.

The value of the rye crop in 1909, \$20,422,000, represented 0.4 per cent of the total value of crops. It was nearly two-thirds greater than in 1899. While five divisions had a diminished acreage and four a decreased production, there were only two in which the value of the crop was smaller in 1909 than in 1899. The average value per bushel increased from 48 to 69 cents, and the average value per acre from \$5.98 to \$9.30.

**Buckwheat.**—Buckwheat (Table 30) has a much smaller area of cultivation than the cereals thus far considered. There were 878,000 acres harvested in the United States in 1909, of which the region east of the Mississippi contained 96.9 per cent. The Middle Atlantic states had about two-thirds of the total acreage reported for buckwheat, this being almost equally divided between New York and Pennsylvania. The increase in the area harvested in 1909 as compared with 1899 was over 70,000 acres, more than one-half of which was in the Middle Atlantic division. The New England and West North Central divisions lost in acreage but all others gained, the most significant increase being that in the South Atlantic division, amounting to 29,322 acres, or 52.8 per cent. Pennsylvania shows an increase of 17.2 per cent in the acreage of buckwheat and New York a decrease of 1.2 per cent.

The production of 1909 amounted to 14,849,000 bushels, which was 32.2 per cent more than that of 1899. The increase in production was relatively greater than that in acreage, and New England was the only division reporting a smaller production in 1909 than in 1899. Measured by production, New York appears as the leading state, showing a gain of 49.2 per cent in this respect, despite a slight loss in acreage.

The crop of 1909, valued at \$9,331,000, was nearly two-thirds greater in value than that of 1899. In 1909 the average yield per acre was 16.9 bushels; the average value per bushel, 63 cents; and the average value per acre, \$10.63.

*Emmer and spelt.*—Emmer and spelt (Table 31) are old grains known to the ancient world and still in use as a food crop in parts of Europe and Asia. Nearly all the "emmer and spelt" reported is emmer, spelt being cultivated in only a few scattered localities. These grains are, botanically, species of wheat, but commercially they are more closely related to the other cereals, since they are used as food for stock. Moreover, the price per bushel of emmer and spelt corresponds much more nearly to that of corn or oats than to that of wheat. No regular statistics of these crops were gathered in 1900.

Emmer and spelt are considered good crops for dry farming, and like kafir corn have been introduced principally in the districts of comparatively light rainfall, though on account of the heavy yield and the value of the grains as feed for stock, they are sown in parts of the grain region in which corn is not an established crop.

The area of emmer and spelt harvested in 1909 was 573,622 acres, the production 12,703,000 bushels, and the value \$5,584,000. The average production per acre was thus 22.1 bushels; the average value per bushel, 44 cents; and the average value per acre, \$9.73.

Of the total acreage, the West North Central division reported 522,487 acres, or 91.1 per cent; the Mountain, 18,644; the East North Central, 14,941; and the West South Central, 13,295. Of the total production in 1909, 11,673,000 bushels, or 91.9 per cent, were reported from the West North Central division; 407,000 bushels from the Mountain division; and 372,000 bushels from the East North Central division.

The state having the largest acreage in 1909 was South Dakota, with 259,611 acres, or 45.3 per cent of the total area harvested, while North Dakota came next with 101,144 acres, or 17.6 per cent of the total—the combined acreage for the two Dakotas representing over three-fifths of the total area in this crop. The states ranking next in acreage were Nebraska, Kansas, Minnesota, and Colorado.

*Kafir corn and milo maize.*—Statistics for kafir corn and milo maize (Table 32) were first obtained by the

Census Bureau in 1900. The acreage in 1899 was about one-third as great as that of buckwheat, but in 1909 it was almost twice as large. Kafir corn and milo maize are cereals belonging to the millet family. They are grown extensively in Africa and somewhat in Asia, the grain being used for food. In this country they have made great headway as dry-farming crops and are being introduced more generally in sections of light rainfall. The grains are here used primarily for feeding live stock, although to a limited extent they are ground for flour. Aside from the use made of the grain, the stalks, if cut before they are entirely ripe, make a valuable fodder.

Of the 1,635,153 acres in kafir corn and milo maize in 1909, over 1,000,000 acres were in the two states of Texas and Oklahoma and nearly 400,000 acres in Kansas. The only other considerable acreages were in New Mexico and California.

The acreage harvested was more than six times as great in 1909 as in 1899. In 1899 over one-half the crop was harvested in the state of Kansas, but the recent extension of the cultivation of these cereals in Texas and Oklahoma has placed those states at the head of the list.

The production increased from 5,169,000 bushels in 1899 to 17,597,000 bushels in 1909. The rate of increase was only half as rapid as that in acreage, the yield per acre, which was 19.4 bushels in 1899, being only 10.8 bushels in 1909. The decrease in yield per acre is due mainly to the fact that the crops are becoming popular in regions of comparatively light rainfall where the yield is normally small. In 1909 the average value per bushel was 61 cents and the average value per acre \$6.62.

*Rice.*—The area devoted to the cultivation of rice (Table 33) in 1909 was 610,175 acres, located almost exclusively in the West South Central division. Louisiana, with 317,518 acres, and Texas, with 237,586 acres, far exceed any other state or any other division in acreage. A small acreage only is reported for the East South Central division, and 27,080 acres for the South Atlantic division.

During the decade the area devoted to rice cultivation increased 267,961 acres, or 78.3 per cent. There was a great loss in acreage in the South Atlantic division, but this was much more than counterbalanced by the great gain in the West South Central division, the principal rice producing area.

The production of rough rice in 1909 was 21,839,000 bushels, and the value \$16,020,000. The increase in both production and value between 1899 and 1909 was more rapid than that in acreage, and shows about the same distribution as respects the two producing areas, the South Atlantic and the West South Central divisions.

## BARLEY—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.

[A minus sign (—) denotes decrease.]

Table 28

DIVISION OR STATE.	ACREAGE.				PRODUCTION (BUSHELS).				VALUE.			
	1909	1899	Increase.		1909	1899	Increase.		1909	1899	Increase.	
			Amount	Per cent.			Amount	Per cent.			Amount	Per cent.
<b>United States</b> .....	7,638,706	4,470,136	3,228,510	72.2	173,344,212	119,634,877	53,709,335	44.9	\$92,458,571	\$41,631,762	\$50,826,809	122.1
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	16,242	23,554	-7,312	-31.0	428,617	704,957	-276,340	-39.2	342,659	364,226	-21,567	-5.9
Middle Atlantic.....	87,733	121,577	-33,844	-27.8	2,062,189	3,145,218	-1,083,029	-34.4	1,414,366	1,493,448	-79,282	-5.3
East North Central.....	1,007,102	665,678	341,424	51.3	26,705,278	21,865,348	4,839,930	22.1	15,240,518	8,158,220	7,082,298	86.8
West North Central.....	4,702,928	2,305,281	2,457,647	106.6	98,997,430	59,665,149	39,332,281	65.8	47,400,962	17,503,007	29,897,865	170.8
South Atlantic.....	15,561	5,717	9,844	172.2	409,615	109,559	300,056	273.9	276,981	53,245	223,736	420.2
East South Central.....	5,388	2,848	2,540	89.2	119,922	42,138	77,784	184.6	79,171	21,215	57,956	273.2
West South Central.....	14,253	21,334	-7,081	-33.2	181,346	433,625	-252,279	-58.2	107,835	115,856	-8,021	-6.9
Mountain.....	313,606	111,887	201,719	180.3	9,785,511	3,333,342	6,452,169	193.6	5,566,331	1,401,107	4,165,224	297.3
Pacific.....	1,475,893	1,212,320	263,573	21.7	34,654,304	30,305,541	4,348,763	14.3	22,029,748	12,521,148	9,508,600	75.9
<b>NEW ENGLAND:</b>												
Maine.....	4,136	8,809	-4,673	-53.0	106,674	252,850	-146,176	-57.8	86,230	137,448	-51,218	-37.3
New Hampshire.....	848	1,596	-748	-46.9	20,704	46,680	-25,976	-55.5	17,292	25,189	-7,897	-31.4
Vermont.....	10,586	12,152	-1,566	-12.9	285,008	380,940	-95,932	-25.2	225,803	187,004	38,799	20.7
Massachusetts.....	349	638	-289	-45.3	9,021	14,987	-5,966	-39.8	7,177	9,264	-2,087	-22.5
Rhode Island.....	182	222	-40	-18.0	4,676	6,100	-1,424	-23.3	4,126	3,465	661	19.1
Connecticut.....	141	137	4	2.9	2,474	3,400	-926	-27.2	2,031	1,856	175	9.4
<b>MIDDLE ATLANTIC:</b>												
New York.....	79,956	111,658	-31,702	-28.4	1,922,868	2,943,250	-1,020,382	-34.7	1,316,117	1,402,184	-86,067	-6.1
New Jersey.....	152	336	-184	-54.8	3,082	4,790	-1,708	-35.7	1,967	2,301	-334	-14.5
Pennsylvania.....	7,625	9,583	-1,958	-20.4	136,239	197,178	-60,939	-30.9	96,282	89,163	7,119	8.0
<b>EAST NORTH CENTRAL:</b>												
Ohio.....	24,075	34,058	-9,983	-29.3	569,279	1,053,240	-483,961	-46.0	311,741	402,977	-91,236	-22.6
Indiana.....	10,188	9,533	655	6.9	234,298	260,550	-26,252	-10.1	133,591	100,480	33,111	33.0
Illinois.....	63,325	21,375	41,950	196.3	1,613,559	686,580	926,979	135.0	880,706	422,834	457,872	108.3
Michigan.....	93,065	44,965	48,100	107.0	2,132,101	1,165,288	966,813	82.7	1,232,344	494,994	737,350	149.0
Wisconsin.....	816,449	555,747	260,702	46.9	22,156,041	18,699,690	3,456,351	18.5	12,682,136	6,916,935	5,765,201	83.3
<b>WEST NORTH CENTRAL:</b>												
Minnesota.....	1,573,761	877,845	695,916	79.3	34,927,773	24,314,240	10,613,533	43.6	17,213,817	7,220,739	9,993,078	138.4
Iowa.....	571,224	627,851	-56,627	-9.0	10,964,184	18,059,060	-7,094,876	-39.3	5,320,708	5,342,363	-21,655	-0.4
Missouri.....	7,915	1,727	6,188	358.3	134,253	28,969	105,284	363.4	80,245	11,232	69,013	614.4
North Dakota.....	1,215,811	287,092	928,719	323.5	26,365,758	6,752,060	19,613,698	290.5	11,962,096	1,996,062	9,965,954	499.3
South Dakota.....	1,114,531	299,510	815,021	272.1	22,396,130	7,031,700	15,364,430	218.5	10,873,522	2,003,540	8,869,982	442.7
Nebraska.....	113,571	92,098	21,473	23.3	1,987,516	2,034,910	-47,394	-2.3	870,846	545,432	325,414	59.7
Kansas.....	166,115	119,158	46,957	39.4	2,221,816	1,474,150	747,666	50.7	1,079,788	383,709	696,079	181.4
<b>SOUTH ATLANTIC:</b>												
Delaware.....	31	3	28	(+)	422	40	382	(+)	288	30	258	(+)
Maryland.....	4,494	1,515	2,979	196.6	135,454	42,560	92,894	218.3	79,231	18,776	60,455	322.0
District of Columbia.....												
Virginia.....	9,890	2,768	7,122	257.3	253,649	53,346	200,303	343.3	179,712	25,007	154,705	618.6
West Virginia.....	408	253	155	61.3	8,407	3,660	4,747	129.7	5,640	1,832	3,808	207.9
North Carolina.....	504	475	29	6.1	7,535	4,237	3,298	77.8	6,863	2,335	4,528	193.9
South Carolina.....	189	281	-92	-32.7	3,483	3,106	377	12.1	4,297	2,899	1,398	48.2
Georgia.....	44	395	-351	-88.9	655	2,290	-1,635	-71.4	942	2,048	-1,106	-54.0
Florida.....	1	27	-26	(-)	10	320	-310	-96.9	8	318	-310	-97.5
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	2,738	953	1,785	187.3	65,590	17,772	47,818	269.1	42,929	8,157	34,772	426.3
Tennessee.....	2,567	1,590	977	61.4	53,201	21,636	31,565	145.9	35,363	11,273	24,090	213.7
Alabama.....	41	273	-232	-85.0	372	2,400	-2,028	-84.5	336	1,582	-1,246	-78.8
Mississippi.....	42	32	10	(+)	753	330	423	128.2	543	203	340	167.5
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	82	304	-222	-73.0	1,267	2,809	-1,542	-54.9	1,136	1,278	-142	-11.1
Louisiana.....		16	-16	(-)		110	-110	(-)		61	-61	(-)
Oklahoma.....	10,283	* 16,634	-6,351	-38.2	127,641	* 350,340	-222,699	-63.6	75,059	* 81,163	-6,104	-7.5
Texas.....	3,888	4,380	-492	-11.2	52,438	80,366	-27,928	-34.8	31,640	33,354	-1,714	-5.1
<b>MOUNTAIN:</b>												
Montana.....	27,242	22,848	4,394	19.2	753,268	844,140	-90,872	-10.8	478,811	341,308	137,503	40.3
Idaho.....	132,412	32,798	99,614	303.7	4,598,292	969,214	3,629,078	374.4	2,322,705	312,730	2,009,975	642.7
Wyoming.....	8,561	1,225	7,336	598.9	189,057	29,690	159,367	536.7	130,392	15,575	115,017	748.0
Colorado.....	71,411	21,949	49,462	225.3	1,889,342	531,240	1,358,102	255.6	1,100,753	246,510	854,243	346.5
New Mexico.....	2,131	1,110	1,021	92.0	43,490	24,107	19,383	80.4	35,626	12,475	23,151	185.6
Arizona.....	32,897	16,270	16,627	102.2	1,008,442	458,776	549,666	119.8	714,834	223,985	490,849	219.1
Utah.....	26,752	8,644	18,108	209.5	891,471	252,140	639,331	253.6	472,816	121,826	350,990	288.1
Nevada.....	12,200	7,043	5,157	73.2	412,149	224,035	188,114	84.0	310,394	126,898	183,496	144.6
<b>PACIFIC:</b>												
Washington.....	171,888	122,298	49,590	40.6	5,834,615	3,641,056	2,193,559	60.2	3,331,930	1,268,480	2,063,450	162.7
Oregon.....	108,847	60,375	48,472	80.3	3,377,735	1,515,150	1,862,585	56.9	1,513,510	606,945	906,565	149.3
California.....	1,195,158	1,029,647	165,511	16.1	26,441,854	25,149,335	1,292,519	5.1	17,184,508	10,645,723	6,538,785	61.4

\* Per cent not calculated where base is less than 100.

\* Includes Indian Territory.



# FARM CROPS, BY STATES.

389

RYE—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.  
[A minus sign (—) denotes decrease.]

Table 29 DIVISION OR STATE.	ACREAGE.				PRODUCTION (BUSHELS).				VALUE.			
	1909	1899	Increase.		1909	1899	Increase.		1909	1899	Increase.	
			Amount.	Per ct.			Amount.	Per ct.			Amount.	Per ct.
<b>United States.....</b>	<b>2,195,561</b>	<b>2,054,292</b>	<b>141,269</b>	<b>6.9</b>	<b>29,520,457</b>	<b>25,568,625</b>	<b>3,951,832</b>	<b>15.5</b>	<b>\$20,421,812</b>	<b>\$12,290,540</b>	<b>\$8,131,272</b>	<b>66.2</b>
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	13,221	16,655	-5,434	-29.1	230,458	317,964	-87,506	-27.5	206,852	178,971	27,881	15.6
Middle Atlantic.....	472,132	556,431	-84,299	-15.1	6,458,475	7,207,830	-749,355	-10.4	4,959,172	3,906,606	1,052,566	26.9
East North Central.....	968,558	676,303	292,255	43.2	13,443,106	9,199,566	4,243,630	46.1	9,011,568	4,381,609	4,629,959	105.7
West North Central.....	470,582	556,406	-85,824	-15.4	6,907,788	6,798,638	109,150	1.6	4,216,576	2,700,264	1,516,312	56.2
South Atlantic.....	157,546	114,319	43,227	37.8	1,322,474	862,549	459,925	53.3	1,106,617	453,519	653,098	124.2
East South Central.....	50,091	35,885	14,106	39.2	400,709	275,363	125,346	45.5	337,152	166,526	170,626	102.5
West South Central.....	5,926	10,582	-4,656	-44.0	49,137	104,627	-55,490	-53.0	41,165	56,281	-15,116	-26.9
Mountain.....	32,115	9,519	22,596	237.4	439,767	123,458	316,309	256.2	300,134	64,659	235,475	364.2
Pacific.....	25,390	76,092	-50,702	-66.6	268,453	678,630	-410,177	-60.4	242,576	342,105	-99,529	-29.1
<b>NEW ENGLAND:</b>												
Maine.....	292	611	-319	-52.2	4,815	9,290	-4,475	-48.2	4,388	6,126	-1,738	-28.4
New Hampshire.....	260	350	-90	-25.7	4,534	8,320	-3,786	-44.8	4,680	3,529	1,151	32.6
Vermont.....	1,115	2,264	-1,149	-50.8	16,689	31,950	-15,261	-47.8	14,533	18,012	-3,479	-19.3
Massachusetts.....	3,476	4,557	-1,081	-23.7	59,183	60,294	-1,111	-1.8	52,396	34,291	18,105	52.8
Rhode Island.....	477	591	-114	-19.3	7,545	7,710	-165	-2.1	7,007	4,751	2,256	47.5
Connecticut.....	7,601	10,282	-2,681	-26.1	137,692	203,400	-65,708	-32.3	123,848	112,262	11,586	10.3
<b>MIDDLE ATLANTIC:</b>												
New York.....	130,540	177,416	-46,876	-26.4	2,010,601	2,431,670	-421,069	-17.3	1,578,408	1,393,313	185,095	13.3
New Jersey.....	69,032	68,967	65	0.1	951,271	831,410	119,861	14.4	707,250	442,446	264,804	59.9
Pennsylvania.....	272,560	310,048	-37,488	-12.1	3,496,603	3,944,750	-448,147	-11.4	2,673,514	2,070,847	602,667	29.1
<b>EAST NORTH CENTRAL:</b>												
Ohio.....	67,912	17,583	50,329	286.2	921,919	257,120	664,799	258.6	636,276	128,072	508,204	396.8
Indiana.....	83,440	43,562	39,878	91.5	1,121,589	564,300	557,289	98.8	743,782	266,487	477,295	179.1
Illinois.....	58,973	78,809	-19,836	-25.2	787,510	1,104,670	-317,151	-28.7	523,374	509,688	13,686	2.7
Michigan.....	419,020	174,096	244,924	140.7	5,814,394	2,130,870	3,683,524	172.9	3,944,616	1,033,416	2,911,200	281.7
Wisconsin.....	339,213	302,193	-22,980	-6.3	4,797,775	5,142,606	-344,831	-6.7	3,163,520	2,443,946	719,574	29.4
<b>WEST NORTH CENTRAL:</b>												
Minnesota.....	266,567	118,869	147,698	124.3	4,426,028	1,866,150	2,559,878	137.2	2,679,987	783,852	1,896,135	241.9
Iowa.....	42,042	89,172	-47,130	-52.9	570,996	1,179,970	-608,974	-51.6	357,220	480,417	-123,597	-25.7
Missouri.....	20,001	21,233	-1,232	-5.8	205,813	220,338	-14,525	-6.6	156,852	103,192	53,660	52.0
North Dakota.....	48,188	27,995	20,193	72.1	689,233	368,240	320,993	87.2	411,728	138,771	272,957	196.7
South Dakota.....	13,778	39,253	-25,475	-64.9	194,672	454,860	-260,188	-57.2	115,126	164,860	-49,734	-30.2
Nebraska.....	62,827	178,920	-116,093	-64.9	660,631	1,901,820	-1,241,189	-65.3	383,736	712,759	-329,023	-46.2
Kansas.....	17,179	80,964	-63,785	-78.8	160,415	807,260	-646,845	-80.1	111,927	316,013	-204,086	-64.6
<b>SOUTH ATLANTIC:</b>												
Delaware.....	1,017	1,103	-86	-7.8	11,423	12,380	-957	-7.7	8,169	5,331	2,838	40.1
Maryland.....	28,093	21,621	6,472	29.9	337,562	279,550	78,012	27.9	252,691	141,433	111,258	78.7
District of Columbia.....	13	22	-9	(1)	190	290	-100	-34.5	135	162	-27	-16.7
Virginia.....	47,890	31,534	16,356	51.9	438,345	216,834	191,511	77.6	344,241	124,195	220,046	177.2
West Virginia.....	15,679	13,758	1,921	14.0	148,676	111,031	37,645	33.9	122,258	58,784	63,474	108.0
North Carolina.....	48,685	28,074	20,611	73.4	280,431	133,750	146,701	109.7	260,566	86,228	183,338	212.6
South Carolina.....	2,958	4,256	-1,298	-30.5	20,631	19,372	1,259	6.5	32,197	18,405	13,792	74.9
Georgia.....	12,352	13,185	-833	-6.3	59,937	54,492	5,445	10.0	69,365	52,937	16,428	31.0
Florida.....	859	766	93	12.1	5,279	4,870	409	8.4	7,995	5,544	2,451	44.2
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	26,813	17,618	9,195	52.2	255,532	155,365	100,167	64.5	202,534	88,315	114,219	129.3
Tennessee.....	22,708	16,556	6,242	37.7	140,925	107,912	33,013	30.6	129,845	68,381	61,464	89.9
Alabama.....	437	1,708	-1,271	-74.4	3,736	11,123	-7,387	-66.4	4,314	9,075	-4,761	-52.5
Mississippi.....	43	103	-60	-58.3	516	963	-447	-46.4	459	755	-296	-39.2
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	1,080	2,883	-1,803	-62.5	7,354	19,125	-11,771	-61.5	6,834	11,428	-4,594	-40.2
Louisiana.....	19	55	-36	(1)	193	372	-179	-48.1	236	323	-87	-26.9
Oklahoma.....	4,291	3,660	631	17.2	37,240	4,436	32,804	742.1	30,364	17,168	13,196	76.9
Texas.....	536	3,984	-3,448	-86.5	4,350	42,770	-38,420	-89.8	3,731	27,362	-23,631	-86.4
<b>MOUNTAIN:</b>												
Montana.....	6,034	2,063	4,031	201.2	111,214	33,120	78,094	235.8	82,669	16,546	66,123	399.6
Idaho.....	3,285	1,304	1,991	152.7	40,241	16,580	23,661	142.7	28,976	8,328	20,648	247.9
Wyoming.....	1,516	1,006	510	50.7	20,479	15,580	4,899	31.4	14,791	9,574	5,217	54.5
Colorado.....	15,715	2,148	13,567	631.6	198,025	26,180	171,845	656.4	123,530	13,876	109,654	790.2
New Mexico.....	257	48	209	(1)	2,913	1,064	1,849	173.8	2,650	701	1,949	278.0
Arizona.....	21	15	6	(1)	261	190	71	37.4	239	157	82	52.2
Utah.....	5,234	2,866	2,368	82.6	65,754	28,630	37,124	129.7	46,338	13,761	32,577	236.7
Nevada.....	43	129	-86	-66.7	850	2,114	-1,234	-58.4	941	1,716	-775	-45.2
<b>PACIFIC:</b>												
Washington.....	5,450	3,077	2,373	77.1	50,746	44,945	5,801	12.9	43,974	23,566	20,408	86.6
Oregon.....	12,913	10,090	2,823	28.0	147,024	109,234	37,790	34.6	132,756	67,033	65,703	98.0
California.....	7,027	62,925	-55,898	-88.8	70,683	524,451	-453,768	-86.5	67,846	251,496	-183,640	-73.8

<sup>1</sup> Per cent not calculated where base is less than 100.

<sup>2</sup> Includes Indian Territory.

## BUCKWHEAT—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.

[A minus sign (-) denotes decrease. States are not named when the acreage was less than 1,000 in 1909.]

Table 30

DIVISION OR STATE.	ACREAGE.				PRODUCTION (BUSHELS).				VALUE.			
	1909	1899	Increase.		1909	1899	Increase.		1909	1899	Increase.	
			Amount.	Per cent.			Amount.	Per cent.			Amount.	Per cent.
<b>United States.....</b>	<b>878,048</b>	<b>807,060</b>	<b>70,988</b>	<b>8.8</b>	<b>14,849,332</b>	<b>11,233,515</b>	<b>3,615,817</b>	<b>32.2</b>	<b>\$9,330,592</b>	<b>\$5,747,853</b>	<b>\$3,582,739</b>	<b>62.3</b>
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	28,725	42,767	-14,042	-32.8	602,715	807,336	-204,621	-25.3	400,081	350,148	49,933	14.3
Middle Atlantic.....	592,159	555,464	36,695	6.6	10,701,643	7,972,605	2,729,038	34.2	6,635,513	4,112,076	2,523,437	61.1
East North Central.....	139,971	123,357	16,614	13.5	1,897,474	1,427,420	470,054	32.9	1,222,109	762,559	459,550	60.3
West North Central.....	25,935	27,595	-1,550	-5.6	349,316	292,669	56,647	19.4	230,356	164,305	66,051	40.2
South Atlantic.....	84,864	55,542	29,322	52.8	1,216,608	704,147	512,461	72.8	791,546	341,567	449,979	131.7
East South Central.....	4,772	1,267	3,505	276.6	51,525	9,552	41,973	439.4	37,268	5,355	31,913	595.9
West South Central.....	121	107	14	13.1	987	924	63	6.8	854	744	110	14.8
Mountain.....	316	158	158	100.0	7,931	2,152	5,779	268.5	6,920	1,397	5,523	395.3
Pacific.....	1,165	893	272	30.5	21,133	16,710	4,423	26.5	15,945	9,702	6,243	64.3
<b>NEW ENGLAND:</b>												
Maine.....	15,552	25,292	-9,740	-38.5	316,782	468,320	-151,538	-32.4	189,516	185,836	3,680	2.0
New Hampshire.....	1,052	1,835	-783	-42.7	26,312	43,360	-17,048	-39.3	17,842	19,334	-1,492	-7.7
Vermont.....	7,659	9,910	-2,251	-22.7	174,394	196,010	-21,616	-11.0	122,050	90,275	31,775	35.2
Massachusetts.....	1,630	2,262	-632	-27.9	32,926	36,034	-3,108	-8.6	24,678	20,930	3,748	17.9
Connecticut.....	2,797	3,423	-626	-18.3	51,751	62,962	-11,211	-17.8	45,532	33,346	12,186	36.5
<b>MIDDLE ATLANTIC:</b>												
New York.....	286,276	280,862	-5,386	-1.2	5,691,745	3,815,350	1,876,395	49.2	3,587,558	2,045,737	1,541,821	75.4
New Jersey.....	13,155	15,762	-2,607	-16.5	212,545	234,275	-21,727	-9.3	141,997	120,479	21,518	17.9
Pennsylvania.....	292,728	249,840	42,888	17.2	4,797,350	3,922,980	874,370	22.3	2,865,958	1,945,860	920,098	48.8
<b>EAST NORTH CENTRAL:</b>												
Ohio.....	26,073	13,071	13,002	99.5	483,410	164,305	319,105	194.2	303,220	87,242	215,978	247.6
Indiana.....	6,995	8,684	-1,689	-19.4	84,991	102,340	-17,349	-17.0	56,617	51,300	5,317	10.4
Illinois.....	4,696	6,230	-1,524	-24.5	68,125	65,050	3,075	4.7	48,040	36,255	11,815	32.6
Michigan.....	75,909	55,669	20,240	36.4	958,119	605,830	352,289	58.1	594,748	306,311	288,437	94.2
Wisconsin.....	25,298	39,713	-13,415	-33.8	302,829	489,895	-187,066	-38.2	219,484	281,481	-61,997	-22.0
<b>WEST NORTH CENTRAL:</b>												
Minnesota.....	10,309	6,700	3,609	53.9	144,861	82,687	62,174	75.2	89,058	43,741	45,317	103.6
Iowa.....	9,066	13,534	-4,468	-34.5	120,559	151,120	-30,561	-20.2	86,941	84,842	2,099	2.5
Missouri.....	1,676	2,715	-1,039	-38.3	20,289	21,490	-1,191	-5.5	16,296	12,079	4,217	34.9
North Dakota.....	1,039	1,121	-82	-7.3	17,066	10,760	6,306	58.6	9,135	7,439	1,696	22.8
South Dakota.....	1,904	232	1,672	720.7	28,551	2,790	25,761	923.3	16,816	2,673	14,143	711.2
Nebraska.....	1,265	980	225	23.0	9,876	8,629	1,247	14.5	7,221	5,109	2,112	41.3
<b>SOUTH ATLANTIC:</b>												
Delaware.....	4,002	1,652	2,350	142.3	53,903	23,980	29,923	124.8	30,839	10,773	20,066	186.3
Maryland.....	10,388	8,047	2,341	29.1	152,216	115,950	36,266	31.3	99,216	58,623	40,593	69.2
Virginia.....	25,481	19,251	6,230	32.4	332,222	244,321	87,901	36.0	196,196	111,731	84,465	75.6
West Virginia.....	33,323	21,410	11,913	55.6	533,670	267,257	266,413	99.7	351,171	134,893	216,278	160.3
North Carolina.....	11,606	5,168	6,438	124.6	144,186	52,572	91,614	174.3	113,577	25,482	88,095	345.7
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	1,587	84	1,503	(1)	18,974	879	17,195	1,956.2	12,028	615	11,413	1,855.8
Tennessee.....	2,867	1,173	1,694	144.4	33,249	8,597	24,652	286.8	25,078	4,690	20,388	434.7

¹ Per cent not calculated where base is less than 100.

## EMMER AND SPELT—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909.

[States are not named when the acreage was less than 1,000 in 1909.]

Table 31

DIVISION OR STATE.	Acreage.	Production (bushels).	Value.	DIVISION OR STATE.	Acreage.	Production (bushels).	Value.
<b>United States.....</b>	<b>573,622</b>	<b>12,702,710</b>	<b>\$5,584,050</b>	<b>WEST NORTH CENTRAL:</b>			
<b>GEOGRAPHIC DIVISIONS:</b>				Minnesota.....	30,891	757,339	\$338,841
New England.....	292	5,418	4,239	Iowa.....	7,256	139,839	65,436
Middle Atlantic.....	1,795	42,993	28,429	Missouri.....	7,935	104,540	47,543
East North Central.....	14,941	371,864	212,595	North Dakota.....	101,144	2,564,732	1,102,782
West North Central.....	522,487	11,672,769	5,009,779	South Dakota.....	259,611	6,098,982	2,627,533
South Atlantic.....	298	6,031	4,631	Nebraska.....	65,681	1,221,975	484,791
East South Central.....	99	2,076	1,851	Kansas.....	49,969	785,362	342,846
West South Central.....	13,295	139,028	81,942	<b>WEST SOUTH CENTRAL:</b>			
Mountain.....	18,644	407,187	205,483	Oklahoma.....	8,659	94,580	54,090
Pacific.....	1,861	55,344	35,118	Texas.....	4,624	44,316	27,118
<b>MIDDLE ATLANTIC:</b>				<b>MOUNTAIN:</b>			
New York.....	1,382	33,890	22,110	Montana.....	1,308	39,830	24,643
<b>EAST NORTH CENTRAL:</b>				Wyoming.....	1,521	35,677	22,918
Illinois.....	1,633	41,999	20,754	Colorado.....	15,523	324,713	153,008
Michigan.....	6,742	151,103	97,414				
Wisconsin.....	6,090	166,301	89,118				

## KAFIR CORN AND MILO MAIZE—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.

[A minus sign (—) denotes decrease. States are not named when the acreage was less than 1,000 in 1909.]

Table 32	ACREAGE.				PRODUCTION (BUSHEL).				VALUE.			
	DIVISION OR STATE.		Increase.		1909		Increase.		1909		Increase.	
			Amount.	Per cent.			Amount.	Per cent.			Amount.	Per cent.
	1909	1899			1909	1899			1909	1899		
<b>United States.....</b>	<b>1,835,153</b>	<b>266,513</b>	<b>1,368,640</b>	<b>513.5</b>	<b>17,597,305</b>	<b>5,169,113</b>	<b>12,428,192</b>	<b>240.4</b>	<b>\$10,816,940</b>	<b>\$1,367,040</b>	<b>\$9,449,900</b>	<b>891.3</b>
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	48	.....	48	.....	1,772	.....	1,772	.....	1,084	.....	1,084	.....
Middle Atlantic.....	586	1	585	(1)	11,647	14	11,633	(1)	8,203	7	8,196	(1)
East North Central.....	1,185	137	1,048	765.0	22,779	2,812	19,967	710.1	14,242	888	13,354	1,503.8
West North Central.....	404,433	157,593	246,840	155.0	5,372,284	3,119,044	2,253,240	72.2	3,219,619	804,410	2,415,209	300.2
South Atlantic.....	230	40	190	(1)	3,561	618	2,943	476.2	2,918	307	2,611	850.5
East South Central.....	493	23	470	(1)	6,453	624	5,829	934.1	4,998	284	4,714	1,659.9
West South Central.....	1,107,406	88,340	1,019,066	1,153.5	10,536,612	1,620,590	8,916,022	550.2	6,330,665	365,802	5,964,863	1,630.6
Mountain.....	76,436	157	76,279	48,585.4	703,484	4,825	698,659	14,479.8	509,163	2,059	507,104	24,628.5
Pacific.....	44,336	20,222	24,114	119.2	935,713	420,586	515,127	123.2	726,043	193,283	532,765	275.6
<b>WEST NORTH CENTRAL:</b>												
Missouri.....	13,543	1,990	11,553	580.6	228,386	38,497	189,889	493.2	152,246	12,836	139,410	1,086.1
Nebraska.....	2,016	742	1,274	171.7	20,212	13,607	6,605	48.5	15,712	5,189	10,523	202.8
Kansas.....	388,495	154,706	233,789	151.1	5,115,415	3,063,781	2,051,634	67.0	3,046,799	785,276	2,261,523	288.0
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	1,294	109	1,185	1,087.2	15,284	1,722	13,562	787.6	12,074	808	11,266	1,394.3
Oklahoma.....	532,515	165,418	467,097	714.0	4,658,752	1,136,772	3,521,980	309.8	2,531,036	1,244,950	2,286,086	977.1
Texas.....	573,384	22,813	550,571	2,413.4	5,960,444	482,096	5,378,348	1,115.6	3,785,463	130,014	3,655,449	2,811.6
<b>MOUNTAIN AND PACIFIC:</b>												
Colorado.....	11,971	18	11,953	(1)	139,234	302	138,932	46,003.3	94,456	131	94,325	72,026.7
New Mexico.....	63,370	138	63,432	45,965.2	543,350	4,473	538,877	12,047.2	392,393	1,778	390,615	21,960.1
California.....	44,308	20,218	24,090	119.2	938,019	420,452	517,567	123.1	725,704	193,244	532,460	275.5

¹ Per cent not calculated where base is less than 100.

² Includes Indian Territory.

## ROUGH RICE—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.

[A minus sign (—) denotes decrease.]

Table 33	ACREAGE.				PRODUCTION (BUSHEL).				VALUE.			
	DIVISION OR STATE.		Increase.		1909		Increase.		1909		Increase.	
			Amount.	Per cent.			Amount.	Per cent.			Amount.	Per cent.
	1909	1899			1909	1899			1909	1899		
<b>United States.....</b>	<b>610,175</b>	<b>342,214</b>	<b>267,961</b>	<b>78.3</b>	<b>21,838,580</b>	<b>9,002,886</b>	<b>12,835,694</b>	<b>142.6</b>	<b>\$16,019,607</b>	<b>\$6,329,562</b>	<b>\$9,890,045</b>	<b>153.1</b>
<b>GEOGRAPHIC DIVISIONS:</b>												
South Atlantic.....	27,080	127,369	—100,289	—78.7	713,966	2,470,725	—1,756,759	—71.1	691,372	2,000,996	—1,309,624	—65.5
East South Central.....	560	4,424	—3,864	—87.3	10,066	39,934	—49,928	—83.3	10,347	59,455	—48,908	—82.3
West South Central.....	582,523	210,421	372,102	176.8	21,114,548	6,472,227	14,642,321	226.2	15,317,648	4,269,111	11,048,537	238.8
<b>SOUTH ATLANTIC:</b>												
Virginia.....	.....	25	—25	.....	.....	157	—157	.....	.....	94	—94	.....
North Carolina.....	321	22,279	—21,758	—97.7	11,357	283,906	—272,549	—96.0	10,209	208,475	—198,266	—95.1
South Carolina.....	19,491	77,657	—58,166	—74.9	541,570	1,703,602	—1,162,032	—68.2	520,000	1,366,528	—846,528	—61.9
Georgia.....	6,445	21,968	—15,553	—70.7	148,095	401,963	—253,265	—63.0	145,513	338,567	—192,754	—56.9
Florida.....	623	5,410	—4,787	—88.5	12,341	81,097	—68,756	—84.8	15,290	87,332	—72,042	—82.5
<b>EAST SOUTH CENTRAL:</b>												
Alabama.....	279	2,329	—2,050	—88.0	5,170	33,343	—28,173	—84.3	5,179	30,891	—25,712	—83.2
Mississippi.....	281	2,095	—1,814	—86.6	4,836	26,591	—21,755	—81.8	5,368	28,564	—23,196	—81.2
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	27,419	25	27,394	(1)	1,282,830	310	1,282,520	113,709.7	1,158,193	235	1,157,868	492,680.9
Louisiana.....	317,518	201,085	115,833	57.4	10,839,973	6,213,397	4,626,576	74.5	8,033,222	4,044,489	4,008,733	99.1
Texas.....	237,586	8,711	228,875	2,627.4	8,991,745	258,520	8,733,225	3,378.2	6,106,323	224,387	5,881,936	2,621.4

¹ Includes 12 acres, 60 bushels, valued at \$40, in states not shown.

² Per cent not calculated where base is less than 100.

## OTHER GRAINS AND SEEDS.

According to ordinary usage, the term "grain" refers to the several cereals only, but it is sometimes applied to other seeds also, such as beans and peas and peanuts. The more comprehensive definition conforms to the usage of the Department of Agriculture, which has been adopted by the Census Bureau. Among the other seeds are included flaxseed, grass seed, flower and vegetable seeds, etc. The combined value of the production of the minor grains and seeds, of which the most important are beans, peas, peanuts, flaxseed, grass seed, and flower and vegetable seeds, amounted in 1909 to \$97,536,000, representing 1.8 per cent of the total value of all crops, including forest and nursery products. The statistics of acreage were not tabulated for grass seeds, or flower and vegetable seeds, chiefly for the reason that in many cases the raising of these seeds was incidental to the production of hay and forage crops and of flowers and vegetables, so that a presentation of the acreage would involve duplication. The total acreage of the minor grains and seeds for which acreage reports were secured amounted in 1909 to 5,157,000, or 1.1 per cent of the improved farm land of the country.

**Dry edible beans.**—Table 34 shows the statistics for dry edible beans. It does not include beans used green from vegetable gardens nor varieties of beans which are used mainly for feeding animals, such as horse beans, stock beans, and velvet beans, nor castor beans (the total acreage of which is very small). Beans used green from gardens are included with vegetables.

The acreage of dry edible beans in 1909 was 802,991, forming only 0.2 per cent of the total improved farm acreage of the country. The acreage in 1909 was 76.9 per cent greater than in 1899, and the production, which amounted to 11,251,000 bushels in 1909, was considerably more than twice as great. The value of the product increased from \$7,634,000 in 1899 to \$21,771,000 in 1909, or 185.2 per cent, the average value per bushel having advanced from \$1.51 to \$1.94. The value of the crop raised in 1909 represented 0.4 per cent of that of all crops. The East North Central division contained more than half of the total acreage of dry edible beans in the country in 1909. Other divisions with large acreages were the Pacific and Middle Atlantic, but in the latter the acreage was less in 1909 than in 1899.

The total acreage of the various other kinds of beans (not reported as dry edible beans or as beans used green from gardens) was 14,947 in 1909, as compared with 25,738 in 1899; the production was 179,733 bushels in 1909 and 143,388 in 1899; and the value \$241,060 in 1909, as compared with \$134,084 in 1899.

## DRY EDIBLE BEANS—ACREAGE, PRODUCTION, AND VALUE.

DIVISION OR STATE.	ACREAGE.		PRODUCTION (BUSHEL).		VALUE.	
	1909	1899	1909	1899	1909	1899
<b>United States.....</b>	<b>802,991</b>	<b>453,841</b>	<b>11,251,160</b>	<b>5,064,490</b>	<b>\$21,771,482</b>	<b>\$7,633,636</b>
<b>GEOGRAPHIC DIVS.:</b>						
New England.....	16,619	16,734	145,111	212,149	432,501	437,110
Middle Atlantic.....	117,370	131,681	1,696,468	1,387,290	3,723,350	2,517,273
East North Central.....	422,256	188,292	5,472,830	2,028,030	10,054,082	2,092,908
West North Central.....	9,189	12,465	94,841	128,427	199,408	194,441
South Atlantic.....	25,776	30,492	162,853	373,339	291,885	377,428
East South Central.....	18,481	14,110	114,022	126,869	189,809	142,511
West South Central.....	3,551	5,458	25,052	53,212	45,717	68,574
Mountain.....	30,847	7,381	200,402	80,852	506,183	153,204
Pacific.....	158,902	46,998	3,339,561	673,422	6,328,455	1,050,157
<b>NEW ENGLAND:</b>						
Maine.....	10,341	10,252	87,565	137,290	275,334	290,885
New Hampshire.....	3,180	2,892	22,546	29,990	62,783	62,799
Vermont.....	2,390	2,404	26,359	27,172	72,573	51,629
Massachusetts.....	446	629	4,979	7,039	12,384	15,688
Rhode Island.....	54	216	817	2,330	2,064	6,477
Connecticut.....	208	341	2,845	6,428	7,045	10,232
<b>MIDDLE ATLANTIC:</b>						
New York.....	115,698	129,298	1,681,506	1,360,445	3,689,064	2,472,668
New Jersey.....	403	201	2,941	2,838	6,150	3,888
Pennsylvania.....	1,269	2,132	12,021	23,957	28,136	38,719
<b>E. NORTH CENTRAL:</b>						
Ohio.....	1,139	1,828	13,605	19,042	30,082	33,307
Indiana.....	1,721	2,999	15,238	30,171	30,929	49,261
Illinois.....	1,153	3,451	6,806	30,122	12,842	46,084
Michigan.....	403,666	167,025	5,282,511	1,906,413	9,716,315	2,361,000
Wisconsin.....	14,574	12,989	104,570	143,182	263,914	206,216
<b>W. NORTH CENTRAL:</b>						
Minnesota.....	4,697	3,290	62,822	36,317	124,996	49,686
Iowa.....	615	2,427	5,699	24,903	12,428	38,296
Missouri.....	1,281	4,376	9,385	45,647	20,554	73,850
North Dakota.....	544	270	5,073	2,389	12,862	3,872
South Dakota.....	809	397	5,285	4,218	12,575	6,448
Nebraska.....	1,173	887	5,941	7,669	14,962	12,805
Kansas.....	70	848	636	7,284	1,321	9,455
<b>SOUTH ATLANTIC:</b>						
Delaware.....	55	100	648	1,333	1,387	1,822
Maryland.....	196	605	1,833	4,754	3,342	7,038
District of Columbia.....						38
Virginia.....	4,777	6,411	29,455	56,192	61,864	66,066
West Virginia.....	1,811	5,221	39,794	52,815	81,049	80,494
North Carolina.....	5,521	5,381	35,937	49,518	57,528	50,703
South Carolina.....	11,528	1,657	6,825	14,925	12,778	19,386
Georgia.....	12,947	9,277	16,546	17,489	30,018	17,982
Florida.....	2,641	9,189	31,335	176,304	43,919	139,349
<b>E. SOUTH CENTRAL:</b>						
Kentucky.....	112,434	5,633	70,557	49,106	105,309	57,672
Tennessee.....	13,398	5,563	19,526	48,790	49,966	57,600
Alabama.....	11,557	1,765	15,212	17,865	19,887	15,507
Mississippi.....	1,092	1,149	8,727	11,162	23,647	11,672
<b>W. SOUTH CENTRAL:</b>						
Arkansas.....	1,819	1,490	4,080	15,582	6,588	17,046
Louisiana.....	1,311	335	5,557	3,371	6,982	3,948
Oklahoma.....	1,575	7,755	2,520	6,130	5,942	6,928
Texas.....	1,846	2,878	12,995	28,129	26,208	40,652
<b>MOUNTAIN:</b>						
Montana.....	342	101	2,958	1,110	8,511	2,221
Idaho.....	1,915	457	33,816	5,886	76,314	9,979
Wyoming.....	273	26	1,876	285	5,018	746
Colorado.....	5,040	2,634	53,926	28,579	128,701	49,169
New Mexico.....	20,766	3,349	85,795	36,022	232,023	73,001
Arizona.....	2,301	805	18,457	6,637	44,997	12,700
Utah.....	196	176	3,352	1,806	10,006	4,085
Nevada.....	14	33	222	536	615	1,303
<b>PACIFIC:</b>						
Washington.....	353	296	3,311	3,330	9,656	7,034
Oregon.....	841	841	8,033	11,077	23,342	29,567
California.....	157,987	45,861	3,328,218	668,515	6,298,457	1,022,586

<sup>1</sup> A considerable amount of this acreage is probably a duplication of other crop acreage.

<sup>2</sup> Includes Indian Territory.

**Dry peas.**—Table 35 presents statistics for dry peas; it does not cover green peas, which are included under "vegetables."

In 1909 the acreage of dry peas in the United States as a whole was 1,305,099, equivalent to 0.3 per cent of the total improved farm acreage of the country. Although the acreage reported in 1909 was 34.8 per cent greater than in 1899, the production (7,129,000 bushels) showed a decrease of 24.5 per cent. On ac-

count of the material increase in the average value per bushel, however, the total value of the crop advanced from \$7,909,000 in 1899 to \$10,964,000 in 1909, when it constituted 0.2 per cent of the total value of all farm crops.

#### DRY PEAS—ACREAGE, PRODUCTION, AND VALUE.

Table 35 DIVISION OR STATE.	ACREAGE.		PRODUCTION (BUSHEL).		VALUE.	
	1909	1899	1909	1899	1909	1899
<b>United States</b> .....	<b>1,305,099</b>	<b>985,370</b>	<b>7,129,294</b>	<b>9,440,210</b>	<b>\$10,963,739</b>	<b>\$7,908,966</b>
<b>GEOGRAPHIC DIVS.:</b>						
New England.....	824	3,050	7,784	48,130	15,348	58,506
Middle Atlantic.....	4,185	15,275	73,358	259,058	121,369	239,095
East North Central.....	227,430	154,216	2,005,773	2,351,514	3,396,025	1,639,048
West North Central.....	27,635	7,943	154,873	96,144	241,082	106,451
South Atlantic.....	667,705	440,371	2,242,244	3,568,991	3,805,792	2,874,088
East South Central.....	203,229	231,851	882,471	2,099,077	1,500,726	1,962,651
West South Central.....	158,902	81,033	478,746	750,703	1,065,140	766,548
Mountain.....	28,598	7,733	328,201	114,180	495,132	92,708
Pacific.....	6,591	6,891	157,844	171,813	233,116	169,871
<b>NEW ENGLAND:</b>						
Maine.....	537	2,300	4,963	35,991	10,134	44,618
New Hampshire.....	122	146	934	1,533	1,955	2,710
Vermont.....	127	408	1,262	6,945	2,902	7,230
Massachusetts.....	30	122	480	2,259	944	2,125
Rhode Island.....	4	45	73	940	1,195	
Connecticut.....	4	29	72	462	121	628
<b>MIDDLE ATLANTIC:</b>						
New York.....	4,007	14,745	71,486	251,589	117,558	230,609
New Jersey.....	91	45	883	806	1,711	808
Pennsylvania.....	87	482	909	6,303	2,100	7,618
<b>E. NORTH CENTRAL:</b>						
Ohio.....	323	506	3,041	7,521	5,298	7,410
Indiana.....	13,082	533	88,254	7,357	133,996	7,348
Illinois.....	41,076	12,982	188,020	103,386	273,873	110,554
Michigan.....	94,832	71,576	1,162,403	1,134,431	1,337,430	689,133
Wisconsin.....	79,017	68,819	1,165,055	1,098,519	1,645,928	824,603
<b>W. NORTH CENTRAL:</b>						
Minnesota.....	835	670	14,964	9,021	18,384	9,338
Iowa.....	731	1,556	9,007	27,069	11,069	24,473
Missouri.....	23,062	5,319	109,857	54,793	180,301	66,701
North Dakota.....	399	84	5,543	710	8,368	1,001
South Dakota.....	1,783	37	10,598	452	11,223	591
Nebraska.....	26	126	169	1,586	538	2,041
Kansas.....	825	151	5,235	2,066	10,738	2,906
<b>SOUTH ATLANTIC:</b>						
Delaware.....	1,815	518	12,521	4,650	25,278	5,086
Maryland.....	1742	947	5,603	12,459	11,143	12,725
District of Columbia.....						
Virginia.....	112,091	22,206	66,488	219,142	127,211	218,477
West Virginia.....	1,522	223	1,490	3,613	3,312	3,731
North Carolina.....	126,884	88,407	651,567	876,167	1,024,228	649,194
South Carolina.....	126,632	143,072	711,853	1,102,703	1,311,454	850,692
Georgia.....	120,315	167,032	736,009	1,130,441	1,204,783	953,241
Florida.....	17,144	17,875	56,713	159,814	98,383	171,702
<b>E. SOUTH CENTRAL:</b>						
Kentucky.....	18,465	8,394	44,772	83,089	84,514	90,739
Tennessee.....	136,640	82,841	133,924	760,663	245,434	767,840
Alabama.....	185,034	91,126	418,007	665,388	660,270	536,793
Mississippi.....	175,090	69,490	285,768	590,537	570,508	567,279
<b>W. SOUTH CENTRAL:</b>						
Arkansas.....	152,730	31,414	229,444	245,894	376,076	255,709
Louisiana.....	133,150	15,190	161,659	146,298	252,362	156,843
Oklahoma.....	5,245	4,453	35,282	15,049	63,857	4,690
Texas.....	146,777	33,974	254,361	333,462	402,854	349,306
<b>MOUNTAIN:</b>						
Montana.....	1,184	1,512	21,670	32,265	37,757	33,273
Idaho.....	224	170	4,875	2,506	9,160	4,058
Wyoming.....	326	13	9,231	232	9,552	305
Colorado.....	24,230	3,621	258,281	47,461	397,540	29,906
New Mexico.....	12,445	2,220	30,829	28,071	35,077	20,365
Arizona.....	13	50	86	280	1,205	
Utah.....	126	143	3,222	2,694	5,733	3,504
Nevada.....		4		85		92
<b>PACIFIC:</b>						
Washington.....	3,196	3,573	91,032	91,899	116,065	78,124
Oregon.....	436	1,304	9,344	22,615	16,035	21,114
California.....	2,959	2,014	57,468	57,299	101,016	70,633

<sup>1</sup> A considerable amount of this acreage is probably a duplication of other crop acreage.

<sup>2</sup> Includes Indian Territory.

The leading division with respect to acreage of dry peas is the South Atlantic, which in 1909 reported more than half of the total, but the production in this division was less in 1909 than that in the East North Central division, which ranked second in acreage. The marked increase reported in the acreage devoted to this crop in the South Atlantic division is probably

more apparent than real, inasmuch as peas are often planted in conjunction with some other crop, and it seems certain that for 1909 the enumerators more frequently duplicated such acreage in their reports than they did for 1899. The East South Central and West South Central divisions ranked third and fourth, respectively, in acreage and production in 1909.

**Peanuts.**—Table 36 shows that the production of peanuts is practically confined to the southern states.

#### PEANUTS—ACREAGE, PRODUCTION, AND VALUE.

Table 36 STATE.	ACREAGE.		PRODUCTION (BUSHEL).		VALUE.	
	1909	1899	1909	1899	1909	1899
<b>United States</b> .....	<b>869,887</b>	<b>616,658</b>	<b>19,415,816</b>	<b>11,864,109</b>	<b>\$18,271,929</b>	<b>\$7,270,515</b>
Alabama.....	100,609	78,878	1,573,796	1,021,708	1,490,654	583,223
Arkansas.....	10,192	5,233	168,608	78,237	183,364	69,632
California.....	96	433	2,991	15,461	2,889	12,650
Florida.....	126,150	69,452	2,315,089	997,927	2,146,862	698,713
Georgia.....	160,317	100,589	2,569,787	1,435,775	2,440,926	935,749
Kansas.....	48	225	2,047	4,516	2,669	4,306
Louisiana.....	25,020	3,107	412,037	45,713	422,232	44,785
Mississippi.....	19,907	5,833	284,791	96,738	317,226	89,350
Missouri.....	130	271	3,239	6,679	4,040	6,407
New Mexico.....	126	1	1,375	10	2,177	12
North Carolina.....	195,134	85,826	5,980,919	3,460,459	5,368,826	1,832,110
Oklahoma.....	1,564	1,205	31,889	150,428	34,994	131,190
South Carolina.....	7,596	7,162	154,822	131,710	144,211	106,018
Tennessee.....	18,952	19,534	547,240	747,668	386,765	392,648
Texas.....	64,327	10,734	1,074,998	184,860	1,075,110	178,542
Virginia.....	145,213	116,914	4,294,349	2,713,347	4,289,832	2,261,148
All other states.....	413	207	7,876	3,893	9,152	4,032

<sup>1</sup> Includes Indian Territory.

The acreage of peanuts in 1909 was 869,887, representing 0.2 per cent of the total improved farm acreage in the country as a whole. In the South the proportion of the improved farm acreage that was devoted to peanuts was 0.6 per cent. The total acreage of peanuts in the United States in 1909 was 68.4 per cent greater than in 1899, and the production in 1909, 19,416,000 bushels, was 62.3 per cent greater than 10 years before.

The value of the crop in 1909, \$18,272,000, which formed 0.3 per cent of the total value of all crops, was more than two and one-half times as great as that in 1899. The average value per bushel increased from \$0.61 to \$0.94. The leading states in the production of peanuts are North Carolina, Georgia, Virginia, Florida, and Alabama, in the order named, the acreage in each of these states in 1909 exceeding 100,000. Other states in which there has been a very marked increase in the acreage of peanuts are Louisiana, Mississippi, and Texas.

**Flaxseed.**—In the United States flax is raised primarily for the sake of the seed, much less use being made of the fiber than in some of the other countries where this crop is grown. The production of flaxseed, as shown by Table 37, is almost wholly confined to the North Central and Mountain divisions.

The total acreage in flax in 1909 was 2,083,142, or 0.4 per cent of the total improved farm acreage of the country, and the total production was 19,513,000 bushels. Both acreage and production in 1909 were

slightly less than in 1899, but the value increased from \$19,625,000 in 1899 to \$28,971,000 in 1909, or 47.6 per cent, the average value per bushel increasing from \$0.98 to \$1.48. In 1909 the value of this crop represented 0.5 per cent of the total for all crops. The values given in the table represent the seed only. The Census Bureau did not undertake to ascertain the total value of flax straw produced, but an inquiry was made as to the amount received from sales of flax straw and flax fiber, an item which probably represents approximately the value of the straw produced, since it is used but little on the farm. The reported receipts from sales of flax straw and fiber in 1909 amounted to \$90,832.

#### FLAXSEED—ACREAGE, PRODUCTION, AND VALUE.

STATE.	ACREAGE.		PRODUCTION (BUSELS).		VALUE.	
	1909	1899	1909	1899	1909	1899
United States.....	2,083,142	2,110,517	19,512,765	19,979,492	\$28,971,000	\$19,625,000
California.....	240	904	12,882	12,610	3,224	10,559
Colorado.....	2,887	434	13,462	1,820	17,485	1,851
Idaho.....	81	17,239	608	134,180	1,916	121,682
Illinois.....	115	394	1,656	4,336	1,548	4,765
Indiana.....	39	171	179	1,394	182	1,412
Iowa.....	15,549	126,453	140,906	1,413,380	182,569	1,380,102
Kansas.....	45,014	192,167	302,491	1,417,770	327,402	1,262,487
Louisiana.....	312		2,215		4,920	
Michigan.....	391	885	2,943	9,399	1,951	10,107
Minnesota.....	358,426	566,801	3,277,238	5,895,479	4,863,328	5,398,556
Missouri.....	20,630	100,952	154,532	611,888	168,771	519,929
Montana.....	37,647	16	447,484	220	676,945	28
Nebraska.....	2,434	7,652	20,647	54,394	30,135	53,703
New York.....	58	159	400	1,350	837	1,485
North Dakota.....	1,068,049	773,999	10,245,684	7,766,619	15,488,016	7,735,640
Ohio.....	552	3,092	4,809	29,821	6,307	28,935
Oklahoma.....	1,039	13,544	9,093	30,110	11,245	16,622
Oregon.....	38	2,616	391	8,740	567	8,564
South Dakota.....	518,566	302,010	4,759,794	2,452,528	7,001,717	2,422,269
Washington.....	1	149	14	850	20	767
Wisconsin.....	9,423	11,253	118,792	140,765	167,548	143,229
Wyoming.....	1,110		5,983		7,858	
All other states.....	174	219	2,061	1,938	3,600	1,928

<sup>1</sup> Includes Indian Territory.

The acreage of flax in North Dakota in 1909 was more than half of the total for the country. South Dakota ranked next and Minnesota third, while no other state had as much as 50,000 acres. Between 1899 and 1909 there was a marked falling off in the acreage of flax in Idaho, Iowa, Kansas, Minnesota, and Missouri, but a marked increase in North Dakota and South Dakota, and in Montana, where the crop, which was insignificant in 1899, had become of considerable importance in 1909.

**Grass seed and flower and vegetable seeds.**—Table 38 presents statistics of grass seed and flower and vegetable seeds, by states.

As already stated, the acreage from which grass seed and flower and vegetable seeds were raised has not been tabulated. In some cases such acreage was not reported, and in many other cases it would represent a duplication of the acreage reported for hay and forage, flowers and plants, and vegetables. The reported production of flower and vegetable seeds doubtless represents chiefly that of farms producing such seeds for sale, small quantities raised by farmers for their own use presumably being often, if not generally,

omitted. Since statements of quantity for all classes of flower and vegetable seeds combined would obviously have no significance, only the total value of these seeds is shown in Table 38. For the country as a whole the value in 1909 was \$1,411,000. The most important states in the production of such seeds in 1909 were California, Illinois, New York, and Ohio.

#### GRASS SEED AND FLOWER AND VEGETABLE SEEDS.

Table 38

STATE.	GRASS SEED.				FLOWER AND VEGETABLE SEEDS.	
	Production (bushels).		Value.		Value.	
	1909	1899	1909	1899	1909	1899
United States.....	6,671,248	4,865,078	\$15,137,683	\$8,228,417	\$1,411,013	\$828,019
NEW ENGLAND:						
Maine.....	527	936	1,544	3,810	950	3,082
New Hampshire.....	142	47	556	121	1,319	855
Vermont.....	601	168	1,538	296	2,670	463
Massachusetts.....	3,397	167	4,163	387	291	40,692
Rhode Island.....	19	536	1,225	2,364	1,900	
Connecticut.....	765	314	2,429	248	37,302	44,181
MIDDLE ATLANTIC:						
New York.....	17,879	11,449	88,239	47,790	72,991	54,148
New Jersey.....	12,804	5,187	14,739	2,735	53,300	45,191
Pennsylvania.....	24,454	50,122	116,108	182,500	36,316	104,229
E. NORTH CENTRAL:						
Ohio.....	288,605	388,721	1,352,136	1,418,689	67,303	33,989
Indiana.....	165,488	535,145	785,041	1,829,149	8,414	8,562
Illinois.....	1,289,996	552,705	1,719,420	650,463	194,626	71,456
Michigan.....	151,567	88,541	964,655	315,000	44,106	28,700
Wisconsin.....	262,301	141,705	1,499,401	446,730	42,583	15,336
W. NORTH CENTRAL:						
Minnesota.....	945,666	561,973	1,466,438	529,301	6,645	9,249
Iowa.....	1,118,041	1,292,072	1,721,289	1,215,763	4,853	6,044
Missouri.....	257,872	278,497	756,443	423,395	17,726	15,416
North Dakota.....	74,162	14,645	99,024	10,054	1,075	653
South Dakota.....	424,623	80,196	594,570	30,111	25,914	
Nebraska.....	120,423	49,972	451,347	69,782	39,377	77,495
Kansas.....	324,231	251,388	796,397	292,597	20,827	44,431
SOUTHEAST ATLANTIC:						
Delaware.....	5,878	3,515	29,928	14,290	507	1,861
Maryland.....	15,080	11,765	72,778	46,780	8,792	7,183
Virginia.....	49,031	25,104	70,940	40,600	5,883	3,884
West Virginia.....	2,645	4,384	8,726	16,109	169	750
North Carolina.....	2,971	1,646	4,963	8,821	2,501	8,882
South Carolina.....	214	221	459	243	91	605
Georgia.....	2,197	506	2,508	442	975	3,669
Florida.....	1,136	37	4,290	37	200	3,622
E. SOUTH CENTRAL:						
Kentucky.....	612,406	278,650	538,219	195,793	15,558	8,668
Tennessee.....	58,496	84,366	102,250	104,477	1,668	458
Alabama.....	537	876	1,110	1,027	240	1,510
Mississippi.....	361	569	1,028	1,632	19	153
W. SOUTH CENTRAL:						
Arkansas.....	1,180	500	4,893	2,029	836	2,447
Louisiana.....	11,208	271	30,343	560	3,083	50
Oklahoma.....	25,825	14,813	149,070	13,332	7,253	4,838
Texas.....	21,351	20,492	39,135	13,974	22,932	2,901
MOUNTAIN:						
Montana.....	14,204	1,226	96,163	3,682	760	
Idaho.....	30,493	3,565	172,012	13,785	5,398	250
Wyoming.....	17,411	5,080	85,120	20,206	275	75
Colorado.....	51,208	13,635	162,822	53,295	13,395	11,113
New Mexico.....	9,692	45	46,935	530	151	
Arizona.....	22,588	1,752	156,840	6,658		
Utah.....	52,604	35,367	313,814	127,983	700	10,330
Nevada.....	530	157	3,363	938	10	900
PACIFIC:						
Washington.....	3,355	837	9,388	1,546	37,571	11,667
Oregon.....	151,016	26,385	364,852	21,460	6,089	10,448
California.....	25,535	15,522	206,034	69,397	594,724	121,896

<sup>1</sup> Includes Indian Territory.

Table 39 shows, by geographic divisions, for 1909 and 1899, the total quantity and value of grass seed produced, and also, for 1909, the production and value of the leading classes. The acreage of grass seed is not shown, for the reason that in most cases it would involve duplication of the acreage reported for the grasses themselves under hay and forage crops.

The total value of the grass seed produced in 1909 was \$15,138,000, which constitutes 0.3 per cent of the

total value of farm crops and represents an increase of 84 per cent over the value in 1899. Much the larger part of the production of grass seed, considered as a group, was reported from the West and East North Central divisions. As measured by value, clover seed

is the most important kind of grass seed, followed by timothy and alfalfa. The East North Central division leads in the production of clover seed, the West North Central in that of timothy seed and millet seed, and the Mountain in that of alfalfa seed.

## GRASS SEED—PRODUCTION AND VALUE.

Table 39  DIVISION.	ALL GRASS SEED.				CLASSES OF GRASS SEED: 1909									
	Production (bushels).		Value.		Clover.		Timothy.		Alfalfa.		Millet.		All other.	
	1909	1899	1909	1899	Production (bushels).	Value.	Production (bushels).	Value.	Production (bushels).	Value.	Production (bushels).	Value.	Production (bushels).	Value.
United States .....	6,671,348	4,865,078	\$15,137,683	\$8,228,417	1,025,816	\$8,925,122	2,878,790	\$4,018,951	263,328	\$2,051,840	588,270	\$491,566	1,915,144	\$1,650,204
New England.....	5,451	2,168	10,269	6,067	500	2,966	1,715	3,868	3,014	2,925	222	510	510	510
Middle Atlantic.....	55,137	66,758	219,146	275,087	22,109	164,201	27,969	47,280	247	2,479	3,483	3,405	1,329	1,781
East North Central.....	2,157,957	1,696,878	6,320,653	4,651,031	746,820	5,021,888	345,471	558,557	1,058	5,105	35,215	26,282	1,029,393	708,821
West North Central.....	3,265,021	2,558,743	5,915,510	2,571,033	202,259	1,373,305	2,455,911	3,329,261	85,801	713,339	423,778	38,349	97,272	161,163
South Atlantic.....	78,352	46,513	198,638	122,422	17,365	115,078	13,628	21,456	2	20	2,293	2,943	45,064	59,141
East South Central.....	671,790	364,451	632,743	305,329	8,200	58,408	14,159	17,052	61	516	49,534	52,308	599,833	504,559
West South Central.....	59,624	28,076	223,441	10,845	2,118	11,375	1,407	2,345	15,194	147,083	29,166	32,800	11,649	29,146
Mountain.....	198,110	60,767	1,037,009	227,172	7,931	56,204	15,106	32,438	128,913	911,708	41,699	32,294	4,461	5,364
Pacific.....	179,906	42,744	580,274	92,403	18,514	122,607	3,334	6,690	32,049	270,988	88	170	125,921	179,819

**Minor seeds.**—Table 40 shows, for 1909, the acreage, quantity, and value of the minor seeds produced in the United States as a whole and in the states which lead in the production of each kind. Mustard seed is used mainly as a condiment and sunflower seed probably largely for poultry feed, but the other classes of seeds are for the most part raised for the purpose of planting.

It is probable that the quantities reported do not represent the entire production of these classes of seeds, as they were not listed by name in the census schedule. The combined acreage of all these classes of seeds in 1909 was only 81,308, and the total value \$769,000. Of the total acreage reported, 72,497 were devoted to sorghum cane seed. The quantity produced was reported to be 833,707 bushels, valued at \$544,322. Kansas, Nebraska, Texas, and Oklahoma lead in production.

It is believed that in most cases the acreage shown in this table for seeds is separate from and additional to the acreage of the corresponding products, and therefore does not involve duplication.

## MINOR SEEDS—ACREAGE, PRODUCTION, AND VALUE: 1909.

Table 40 KIND OF SEED AND STATE.	Acreage.	Production (bushels).	Value.
<b>Total.....</b>	<b>81,308</b>	<b>833,707</b>	<b>\$544,322</b>
Sorghum cane seed, total.....	72,497	833,707	544,322
Colorado.....	704	9,147	5,719
Illinois.....	153	3,122	1,884
Kansas.....	53,796	656,522	404,329
Missouri.....	456	6,054	4,775
Nebraska.....	7,209	83,134	46,899
New Mexico.....	193	1,021	1,248
Oklahoma.....	4,250	30,455	23,079
Texas.....	5,483	38,682	50,255
All other states.....	341	5,589	6,054
Mustard seed:			
California.....	1,964	13,168,270	100,731
Sunflower seed, total.....	4,731	63,677	58,318
California.....	257	6,855	6,264
Illinois.....	3,969	49,004	44,539
Indiana.....	430	6,330	5,834
All other states.....	75	1,488	1,621
Hemp seed:			
Kentucky.....	563	5,416	20,007
Chufa seed:			
Georgia.....	481	12,531	28,194
Broom corn seed, total.....	1,071	6,833	14,752
Illinois.....	30	1,011	5,050
New Mexico.....	184	383	1,627
Texas.....	702	1,216	2,404
All other states.....	155	4,023	4,671
Tobacco seed, total.....	1	1,289	1,789
Pennsylvania.....	( <sup>1</sup> )	1,290	1,400
All other states.....	( <sup>2</sup> )	139	389
All other seeds.....	( <sup>2</sup> )	1	512

<sup>1</sup> Expressed in pounds.

<sup>2</sup> Less than 1 acre.

<sup>3</sup> Includes golden seal seed and anise seed.

## HAY AND FORAGE.

The acreage devoted to hay and forage (Table 42) in 1909 was 72,281,000 and in 1899 was 61,691,000, representing an increase of 17.2 per cent. During the same period the production increased from 79,252,000 tons in 1899 to 97,454,000 in 1909, or 23 per cent, while the value of the crop reported in 1909 was \$824,000,000, or 70.2 per cent greater than that reported in 1899, \$484,000,000. In 1909 hay and forage occupied 15.1 per cent of all improved farm land and contributed 15 per cent of the total value of all crops. A map on page 385 shows the distribution of the hay and forage acreage among the states.

The hay and forage acreage in 1909 was equal to 37.8 per cent of that devoted to all cereals and 73.5 per cent of that occupied by corn alone, but was much larger than that of any of the other cereals. It was equivalent to 15.1 per cent of the improved farm land of the country, but it may be noted that, particularly in the regions west of the Mississippi River, considerable hay is harvested on land which has never been under the plow and which is probably mostly reported as unimproved land. Of the hay and forage acreage reported in 1900 over one-third was in the West North Central division. This division has an acreage nearly twice as great as the East North Central, which ranks second, and over three times as great as the Middle Atlantic, which ranks third. Among the states with a large acreage Iowa and New York are almost equally important, each having in excess of 5,000,000 acres. One other state, Nebraska, has over 4,000,000 acres, eight other states over 3,000,000 acres, four more over 2,000,000 acres, and seven have between 1,000,000 and 2,000,000 acres. The crop is thus more widely distributed than any cereal crop.

Table 41 gives the share of each geographic division and of the more important states in the hay and forage acreage, and the percentage which the acreage of this crop forms of the total improved land in farms in each division and state, together with the average yield per acre and the average value per ton and per acre.

Each of the 11 states here listed had at least 4 per cent of the total hay and forage acreage in the United States for 1909, and together they contained 58.9 per cent of this total. In only 3 of these states, Illinois, Missouri, and Kansas, does the proportion of improved land in farms which is devoted to hay and forage fall below the average for the United States. In New York the acreage of hay and forage is equal to about one-third of the improved land in farms, in Wisconsin and Pennsylvania to practically one-fourth, and in South Dakota and Minnesota to about one-fifth.

During the decade the New England and Middle Atlantic divisions lost slightly in acreage, but in the other divisions the gains, both absolute and relative, were for the most part considerable. In the two

divisions which lost in acreage there was a decrease in all the states except Vermont. In those divisions which had a greater acreage in 1909 than in 1899 the only states which did not share in the increase were Indiana and Kansas.

Table 41

DIVISION OR STATE.	ACREAGE: 1909		AVERAGE YIELD IN TONS PER ACRE.		AVERAGE VALUE PER TON.		AVERAGE VALUE PER ACRE.	
	Per cent of United States total.	Per cent of improved land.	1909 1899		1909 1899		1909 1899	
			1909	1899	1909	1899	1909	1899
United States.....	100.0	15.1	1.35	1.28	\$8.46	\$5.78	\$11.40	\$7.85
New England.....	5.3	52.3	1.23	1.13	12.69	9.48	15.57	10.78
Middle Atlantic.....	11.8	23.1	1.32	1.19	11.56	8.57	15.31	11.08
East North Central.....	20.4	16.6	1.38	1.22	9.06	6.26	12.52	8.57
West North Central.....	37.9	16.7	1.33	1.34	5.82	3.48	7.71	4.78
South Atlantic.....	4.0	5.9	1.02	1.02	12.97	9.06	13.25	13.38
East South Central.....	3.4	5.7	1.03	1.03	11.55	8.39	11.92	10.43
West South Central.....	4.5	5.6	1.03	1.48	8.80	3.98	9.09	6.15
Mountain.....	6.9	31.2	1.73	1.59	7.73	5.15	13.38	8.21
Pacific.....	5.8	19.1	1.73	1.44	10.20	6.31	17.69	9.06
Iowa.....	7.0	17.1	1.55	1.42	7.59	4.38	11.76	6.46
New York.....	7.0	34.0	1.40	1.23	10.96	8.65	15.34	10.72
Nebraska.....	6.3	18.5	1.28	1.24	5.49	3.19	7.02	3.98
Kansas.....	5.5	13.2	1.63	1.63	5.40	2.56	8.09	4.27
Minnesota.....	5.5	20.1	1.53	1.37	4.43	3.31	6.77	4.62
Missouri.....	5.0	14.8	1.13	1.17	8.27	4.73	9.33	5.88
South Dakota.....	4.8	21.7	1.06	1.04	4.18	2.50	4.41	2.00
Illinois.....	4.6	11.9	1.30	1.18	9.31	6.01	12.11	7.63
Ohio.....	4.6	13.2	1.37	1.20	9.37	6.93	12.81	9.63
Pennsylvania.....	4.3	24.4	1.19	1.15	12.41	9.33	14.77	11.47
Wisconsin.....	4.3	25.9	1.62	1.37	8.17	5.25	13.27	8.03

The average yield of hay and forage per acre in the United States in 1909 was 1.35 tons. This average was exceeded considerably in the Mountain and Pacific divisions, but of the more easterly divisions only the East North Central showed a yield larger than the average. The average yield per acre in the country as a whole was slightly greater in 1909 than in 1899. In one division only, the West South Central, was the yield appreciably smaller in 1909, though in three, the West North Central, East South Central, and South Atlantic, it was the same or practically the same in the two years. In only two of the states named in the table, Kansas and Missouri, was the yield per acre smaller in 1909 than 10 years earlier.

As the result of the increases in acreage or in yield per acre there was, in every division except the West South Central, an increase in the total yield. In that division the falling off in average yield more than balanced the effect of the increased acreage. In the New England and the Middle Atlantic divisions larger crops were harvested in 1909 than in 1899, in spite of a decrease in acreage. In the East North Central, Mountain, and Pacific divisions the percentages of increase in production were greater than those in acreage. In the West North Central division, where the largest crop was harvested, and in the East South Central and South Atlantic divisions the relative gain in production follows closely that in acreage. The unfavorable conditions in the Southwest are reflected by a decreased production in Oklahoma and Texas, where the acreage increased. In Kansas there was a relative decrease in production greater than that in acreage.



# FARM CROPS, BY STATES.

397

HAY AND FORAGE—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.

[A minus sign (—) denotes decrease.]

Table 42 DIVISION OR STATE.	ACREAGE.				PRODUCTION (TONS).				VALUE.			
	1909	1899	Increase.		1909	1899	Increase.		1909	1899	Increase.	
			Amount.	Per ct.			Amount.	Per ct.			Amount.	Per ct.
<b>United States.....</b>	<b>72,280,776</b>	<b>61,691,069</b>	<b>10,589,707</b>	<b>17.2</b>	<b>97,453,736</b>	<b>79,251,562</b>	<b>18,202,173</b>	<b>23.0</b>	<b>\$824,004,877</b>	<b>\$484,254,703</b>	<b>\$339,750,174</b>	<b>70.2</b>
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	3,797,598	4,050,025	-252,427	-6.2	4,659,906	4,576,865	83,041	1.8	59,112,700	43,662,239	15,450,461	35.4
Middle Atlantic.....	8,532,793	8,869,016	-336,223	-3.8	11,302,178	10,551,446	750,732	7.1	130,611,620	98,297,195	32,314,425	32.9
East North Central.....	14,750,878	13,528,065	1,222,813	9.0	20,391,562	16,462,276	3,929,286	23.9	184,707,528	115,904,044	68,803,484	59.4
West North Central.....	27,398,258	22,147,977	5,250,281	23.7	36,325,167	29,096,529	6,628,638	22.3	211,305,443	105,062,362	105,343,081	99.4
South Atlantic.....	2,856,398	2,161,201	695,197	32.2	2,917,870	2,194,115	723,755	33.0	37,836,676	28,926,431	8,910,245	30.8
East South Central.....	2,487,554	1,513,370	974,184	64.4	2,555,716	1,563,909	1,001,807	64.1	29,644,661	16,079,741	13,564,920	84.4
West South Central.....	3,276,291	2,370,292	905,999	38.2	3,383,010	3,519,416	-136,406	-3.9	29,783,321	14,583,492	15,199,829	104.2
Mountain.....	4,965,543	3,582,500	1,382,993	38.6	8,600,736	5,707,443	2,893,293	50.7	66,442,108	29,424,695	37,017,413	125.8
Pacific.....	4,215,463	3,468,563	746,900	21.5	7,306,590	4,979,633	2,327,027	46.7	74,560,820	31,414,504	43,146,316	137.3
<b>NEW ENGLAND:</b>												
Maine.....	1,255,011	1,270,254	-15,243	-1.2	1,113,095	1,133,932	-20,837	-1.8	15,115,821	10,641,546	4,474,275	42.0
New Hampshire.....	529,817	615,042	-85,225	-13.9	582,454	653,265	-70,811	-10.8	7,846,143	6,336,252	1,509,891	23.8
Vermont.....	1,030,618	1,006,375	24,243	2.4	1,502,730	1,329,972	172,758	13.0	16,335,530	10,544,825	5,790,705	54.9
Massachusetts.....	519,593	610,023	-90,520	-14.8	831,955	848,950	-16,995	-2.0	11,230,989	9,056,554	2,174,435	24.6
Rhode Island.....	61,327	69,776	-8,449	-12.1	80,306	75,410	4,896	6.5	1,309,717	1,081,482	223,235	21.1
Connecticut.....	401,322	478,555	-77,233	-16.1	549,366	535,336	14,030	2.6	7,224,500	6,001,280	1,223,220	20.4
<b>MIDDLE ATLANTIC:</b>												
New York.....	5,043,373	5,154,965	-111,592	-2.2	7,055,429	6,319,475	735,954	11.6	77,360,645	55,237,446	22,123,199	40.1
New Jersey.....	401,315	444,610	-43,295	-9.7	569,442	465,137	104,305	22.4	7,627,492	5,544,970	2,082,432	37.6
Pennsylvania.....	3,088,105	3,269,441	-181,336	-5.5	3,677,307	3,766,834	-89,527	-2.4	45,623,573	37,514,779	8,108,794	21.6
<b>EAST NORTH CENTRAL:</b>												
Ohio.....	3,306,461	3,015,261	291,200	9.7	4,521,409	3,629,722	891,687	24.6	42,357,364	29,047,532	13,309,832	45.8
Indiana.....	2,300,579	2,442,414	-141,835	-5.8	2,850,104	2,905,608	-25,504	-0.9	24,833,461	20,227,197	4,606,264	23.0
Illinois.....	3,349,435	3,343,910	5,525	0.2	4,354,466	3,948,563	405,903	10.3	40,560,220	25,568,619	14,991,601	58.6
Michigan.....	2,715,301	2,328,498	386,803	16.6	3,632,939	2,703,214	929,725	34.4	36,040,087	21,792,987	14,247,100	65.4
Wisconsin.....	3,079,102	2,397,982	681,120	28.4	5,002,644	3,275,169	1,727,475	52.7	40,866,396	19,267,709	21,598,687	112.1
<b>WEST NORTH CENTRAL:</b>												
Minnesota.....	3,946,072	3,157,690	788,382	25.0	6,036,747	4,339,328	1,697,419	39.1	26,724,801	14,585,281	12,139,520	83.2
Iowa.....	5,046,185	4,649,378	396,807	8.5	7,823,181	6,000,169	1,223,012	18.5	39,300,225	30,042,246	9,257,979	97.6
Missouri.....	3,628,348	3,481,506	146,842	4.2	4,091,342	4,062,199	29,143	0.7	33,845,094	20,467,501	13,377,593	65.4
North Dakota.....	2,864,281	1,410,534	1,453,648	103.1	3,010,401	1,747,390	1,263,011	72.3	12,308,014	5,182,917	7,125,097	138.6
South Dakota.....	3,435,656	2,287,875	1,147,781	50.2	3,651,024	2,378,392	1,272,632	53.5	15,243,664	5,954,229	9,289,435	156.0
Nebraska.....	4,520,034	2,853,652	1,666,382	60.1	5,776,475	3,502,380	2,274,095	64.9	31,729,691	11,230,901	20,498,790	182.5
Kansas.....	3,957,745	4,337,342	-379,597	-8.8	5,936,997	7,066,671	-1,129,674	-16.0	32,033,954	18,499,287	13,534,667	73.2
<b>SOUTH ATLANTIC:</b>												
Delaware.....	80,669	74,800	5,869	7.8	103,575	79,303	24,272	30.6	1,174,473	989,848	184,625	18.7
Maryland.....	398,842	374,848	23,994	6.4	477,564	415,197	62,367	15.0	6,011,749	4,709,072	1,302,677	27.7
District of Columbia.....	962	1,228	-266	-21.7	2,148	2,241	-93	-4.2	25,033	22,772	2,261	12.6
Virginia.....	773,577	612,962	160,615	26.2	823,333	627,979	195,404	31.1	10,256,998	7,670,082	2,586,916	33.7
West Virginia.....	705,900	601,935	106,965	17.8	639,104	541,084	98,020	18.1	7,492,747	5,517,073	1,975,674	35.8
North Carolina.....	375,795	229,998	145,797	63.4	369,332	246,820	122,512	49.6	4,781,562	4,242,561	539,001	12.7
South Carolina.....	209,767	106,124	103,643	97.7	186,131	108,856	77,245	70.9	3,189,122	2,304,734	884,388	38.4
Georgia.....	253,157	137,312	115,845	84.4	261,333	150,224	111,109	74.0	4,056,967	3,034,992	1,021,915	33.7
Florida.....	54,729	21,994	32,735	148.8	55,300	22,381	32,919	147.1	847,485	435,297	412,188	94.7
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	966,377	683,139	283,238	41.5	957,241	655,066	302,175	46.1	10,306,344	6,100,647	4,205,697	68.9
Tennessee.....	1,052,816	645,617	407,199	63.1	1,077,836	679,450	398,386	58.6	12,617,538	6,811,577	5,805,961	85.2
Alabama.....	238,656	85,353	153,303	179.6	251,403	100,061	151,342	151.2	3,357,132	1,707,638	1,649,494	96.6
Mississippi.....	229,705	99,261	130,444	131.4	279,236	129,332	149,904	116.9	3,363,647	1,459,879	1,903,768	130.4
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	435,915	239,426	196,489	82.1	461,817	271,616	190,201	70.0	4,887,139	1,913,163	2,973,976	155.4
Louisiana.....	180,811	97,136	83,675	86.1	245,815	163,443	82,372	50.4	2,433,101	1,353,118	1,079,983	79.8
Oklahoma.....	1,347,598	1,095,706	251,892	23.0	1,417,533	1,617,905	-200,372	-12.4	9,638,648	4,022,761	5,615,887	139.6
Texas.....	1,311,967	938,024	373,943	39.9	1,257,845	1,466,452	-208,607	-14.8	12,824,433	7,294,450	5,529,983	75.8
<b>MOUNTAIN:</b>												
Montana.....	1,135,376	875,712	259,664	29.7	1,692,656	1,059,268	633,388	59.8	12,344,606	5,974,850	6,369,756	106.6
Idaho.....	732,886	513,656	219,230	42.7	1,584,365	899,125	685,240	76.2	12,099,963	4,238,993	7,860,970	185.4
Wyoming.....	585,386	300,769	284,617	53.7	853,515	462,101	391,414	84.7	6,077,354	2,332,028	3,745,326	160.6
Colorado.....	1,288,064	952,214	335,850	35.0	2,241,566	1,643,347	598,219	36.4	17,282,276	8,159,279	9,122,997	111.8
New Mexico.....	368,409	87,358	281,051	321.7	431,053	195,324	235,729	120.7	4,469,709	1,427,317	3,042,392	213.2
Arizona.....	102,490	92,674	9,816	10.6	259,750	177,504	82,246	46.3	2,553,228	1,362,112	1,191,116	87.4
Utah.....	405,394	388,043	17,351	4.5	1,015,913	850,962	164,951	19.4	7,429,901	3,862,820	3,567,081	92.3
Nevada.....	350,538	292,134	58,404	20.0	521,918	419,812	102,106	24.3	4,155,071	2,067,296	2,117,775	102.4
<b>PACIFIC:</b>												
Washington.....	742,137	497,139	244,998	49.3	1,301,664	826,897	564,767	68.3	17,147,648	5,831,088	11,316,560	194.1
Oregon.....	939,979	731,823	208,156	28.4	1,587,796	1,117,400	470,396	42.1	15,225,957	6,147,018	9,078,939	147.7
California.....	2,533,347	2,239,601	293,746	13.1	4,327,130	3,035,266	1,291,864	42.6	42,187,215	19,436,398	22,750,817	117.1

1 Includes Indian Territory.

A considerable increase is noted in the average value per ton in 1909 (\$8.46) as compared with 1899 (\$5.76), and this combined with a larger yield per acre resulted in an even greater advance in the value of the crop per acre. As a result of this fact, together with the large increase in acreage, the total value of the hay and

forage crop in 1909 was greatly in excess of that in 1899, representing an increase of \$339,750,600, or 70.2 per cent.

The component elements of the hay and forage crop and their distribution among the several geographic divisions are exhibited in Table 43.

Table 43

ACREAGE OF HAY AND FORAGE AND THE CLASSES THEREOF: 1909

DIVISION OR SECTION.	All hay and forage.	Timothy alone.	Timothy and clover mixed.	Clover alone.	Alfalfa.	Millet or Hungarian grass.	Other tame or cultivated grasses.	Wild, salt, or prairie grasses.	Grains cut green.	Coarse forage.	Root forage.
<b>United States</b> .....	<b>72,280,776</b>	<b>14,686,393</b>	<b>19,542,382</b>	<b>2,443,263</b>	<b>4,707,146</b>	<b>1,117,769</b>	<b>4,218,957</b>	<b>17,186,522</b>	<b>4,324,878</b>	<b>4,034,432</b>	<b>19,034</b>
New England.....	3,797,598	595,037	1,736,188	15,097	1,255	32,625	1,100,999	99,968	79,404	116,623	402
Middle Atlantic.....	8,532,793	2,306,312	4,818,714	158,532	41,664	26,285	649,086	108,292	72,228	350,697	983
East North Central.....	14,750,878	6,192,134	5,508,367	1,168,404	90,229	78,532	290,262	588,066	166,318	666,620	2,165
West North Central.....	27,308,258	3,942,465	5,271,387	546,537	1,778,369	384,212	464,071	12,956,493	242,044	1,314,807	874
South Atlantic.....	2,856,398	650,159	917,313	148,312	8,710	30,423	390,176	104,800	506,161	100,141	203
East South Central.....	2,487,554	473,619	428,163	287,367	41,784	122,550	574,795	119,025	340,829	99,404	18
West South Central.....	3,276,251	48,779	79,774	28,853	280,157	183,046	239,018	1,064,778	305,267	1,036,556	33
Mountain.....	4,965,543	335,659	228,273	29,310	1,755,626	59,395	330,559	1,645,734	275,006	302,826	8,315
Pacific.....	4,215,463	142,189	224,203	66,851	699,461	3,711	179,991	499,366	2,336,991	46,658	6,042
The North.....	54,479,527	13,035,948	17,654,636	1,888,570	1,911,308	718,444	2,504,418	13,752,819	559,994	2,448,747	4,423
The South.....	8,620,251	1,172,200	1,425,200	404,535	1,340,651	336,019	1,288,989	1,152,287	1,152,287	1,236,101	254
The West.....	9,181,006	477,888	462,476	90,161	2,451,987	63,306	510,550	2,145,100	2,612,567	349,584	14,357
East of the Mississippi.....	32,425,221	10,217,261	13,428,745	1,777,712	183,633	280,205	3,065,318	1,020,151	1,164,940	1,333,485	3,771
West of the Mississippi.....	39,855,555	4,469,132	6,113,637	665,551	4,523,513	827,564	1,213,639	16,166,371	3,159,938	2,700,947	15,263

The most prominent classes included in the table are, in the order of importance as measured by acreage, timothy and clover mixed, "wild, salt, or prairie grasses," "timothy alone," alfalfa, grains cut green, "other tame or cultivated grasses," and coarse forage.

The table brings out clearly the predominance of the North in the growing of hay and forage, the area devoted to these crops being over six times as great in the North as in the South. In the West, also, a somewhat larger area is devoted to these crops than in the South. The predominance of the North is evident in the case of each of the individual crops except alfalfa, grains cut green, and root forage, which are more extensively grown in the West than elsewhere; these crops, together with "wild, salt, or prairie grasses," are the only hay and forage crops that cover a greater acreage in the West than in the South. In the West South Central division there is a considerable acreage of "wild, salt, or prairie

grasses" and about the same acreage of coarse forage, which, however, forms a much larger proportion of the total, causing the division to rank second in the acreage of the latter crop.

More than half of the entire acreage in hay and forage is west of the Mississippi River, but the individual crops are quite differently distributed. East of the Mississippi is found by far the greater part of the acreage devoted to timothy alone, clover alone, timothy and clover mixed, and "other tame or cultivated grasses." These classes cover an aggregate of 40,891,000 acres, of which 28,429,000 are east of the Mississippi River.

Of the other hay and forage crops included in this table, the greater part of the acreage is west of the Mississippi River. This excess is considerable in the case of the important group of "wild, salt, or prairie grasses" and of alfalfa, but is not so marked for the other hay and forage crops.

## VEGETABLES.

**Potatoes** (Table 46).—Potatoes were harvested in 1909 from 3,669,000 acres, as compared with 2,939,000 acres in 1899, an increase of 24.8 per cent. On the other hand, the production of potatoes increased 42.4 per cent, being in 1909, 389,000,000 bushels, and in 1899, 273,000,000 bushels, while the value of the crop increased in still greater degree, from \$98,000,000 in 1899 to \$166,000,000 in 1909, or 69.2 per cent. The crop occupied 0.8 per cent of the total acreage of improved farm land in 1909, and represented 3 per cent of the value of all crops. There is a considerable acreage of potatoes in each of the geographic divisions, but more than three-fourths of the entire acreage is in the four northern divisions. Among the states, New York has the largest acreage, closely followed by Michigan.

The increase in the acreage of potatoes between 1899 and 1909 for the United States as a whole was 730,000 acres, or 24.8 per cent, in which increase all divisions shared to some extent. Both in the East North Central and in the West North Central divisions there were nearly 150,000 acres added to the area harvested. Conspicuous gains in aggregate acreage are also noted in the Mountain, South Atlantic, and Pacific divisions. The percentage of increase in potato acreage is greatest in the Mountain division, where the acreage more than doubled. The four divisions constituting the North increased their potato acreage less rapidly than the rest of the country. The New England division is the only one in this section in which the rate of increase for the decade was greater than the average for the United States as a whole.

Table 44 gives percentages and averages derived mainly from Table 46.

DIVISION OR STATE.	ACREAGE: 1909		AVERAGE YIELD IN BUSHELS PER ACRE.		AVERAGE VALUE PER BUSHEL.		AVERAGE VALUE PER ACRE.	
	Per cent of United States total.	Per cent of improved land.	1909	1899	1909	1899	1909	1899
United States.....	100.0	0.8	106.1	93.0	\$0.43	\$0.36	\$45.36	\$33.48
New England.....	6.4	3.2	176.9	50.3	0.42	0.43	74.89	56.06
Middle Atlantic.....	19.9	2.5	107.5	95.2	0.48	0.41	51.13	39.34
East North Central.....	30.1	1.2	100.9	84.6	0.34	0.31	33.84	26.64
West North Central.....	21.4	0.5	91.9	95.4	0.42	0.26	38.39	24.36
South Atlantic.....	6.5	0.5	92.2	77.2	0.64	0.55	58.77	42.49
West South Central.....	3.3	0.3	82.1	63.0	0.61	0.52	49.70	33.04
Mountain.....	3.2	0.2	63.0	66.8	0.73	0.50	46.19	33.33
Pacific.....	4.6	1.1	142.8	112.8	0.36	0.41	51.36	46.43
Pacific.....	4.6	0.8	131.4	129.2	0.45	0.41	58.71	53.06
New York.....	10.7	2.7	123.2	96.2	0.42	0.39	51.58	37.96
Michigan.....	10.0	2.8	104.6	75.3	0.26	0.29	27.13	21.67
Wisconsin.....	7.9	2.4	110.2	95.9	0.25	0.24	27.29	22.68
Pennsylvania.....	7.1	2.1	83.0	95.5	0.55	0.43	45.70	41.24
Minnesota.....	6.1	1.1	119.8	99.8	0.29	0.23	34.36	23.24
Ohio.....	5.8	1.1	95.5	81.8	0.46	0.42	44.67	34.31
Iowa.....	4.6	0.6	86.8	98.4	0.45	0.22	39.10	22.01
Illinois.....	3.8	0.5	88.1	94.9	0.53	0.36	46.37	34.46
Maine.....	3.7	5.8	210.3	136.7	0.36	0.38	75.29	51.72
Nebraska.....	3.0	0.5	73.0	97.8	0.47	0.22	34.05	21.71

Potatoes are grown on less than 1 per cent of the improved farm land of the country, but in the New England division the proportion exceeds 3 per cent and in the Middle Atlantic division it exceeds 2 per cent. Among the leading states Maine shows much the highest proportion of improved farm land devoted to potatoes, 5.8 per cent. Aroostook County, Me., far exceeds any other county in the United States in the production of potatoes.

The yield per acre in 1909 for the United States, 106.1 bushels, was greatly exceeded in the New England division. High yields were also reported in the Mountain and Pacific divisions, while the Middle Atlantic and East North Central divisions conformed more closely to the average. Among the chief producing states, Maine shows an extraordinary yield per acre, but the other states do not depart so widely from the general average. The yield per acre was greater in 1909 than in 1899 in the United States as a whole and in all divisions except the West North Central and West South Central.

The value per bushel was higher in 1909 than in 1899 in the country as a whole and in all but two of the divisions, but the increase was much less marked than in the case of the cereal crops. The average value of the crop per acre, by reason of the increased average yield, increased to a somewhat greater degree than the average value per bushel.

**Sweet potatoes and yams (Table 47).—**The acreage of this crop in 1909, 641,000, was greater by nearly one-fifth than that of 1899, 537,000. The absolute increase was not widely different in the three southern divisions, though it was smallest in the South Atlantic and greatest in the West South Central. There was a wider difference in the percentage of increase, which was over three times as great in the West South Central division as in the South Atlantic. The greatest absolute gain in acreage in any state was in Louisiana.

The production in 1909 was 59,232,000 bushels and in 1899, 42,517,000 bushels, the increase for the decade being 39.3 per cent, a relative gain twice as great as that in acreage. The greatest absolute gain was in the South Atlantic division, but the percentage of gain was less than that in either of the other southern divisions, though not so much smaller as in the case of acreage.

In the value of the yield there was a great increase, the aggregate crop of 1909 being valued at \$35,429,000 (equal to 0.6 per cent of the value of all crops), or 78.3 per cent more than that of 1899. In the East South Central division the value was more than twice as great, and in the West South Central division nearly twice as great, as in 1899. In the South Atlantic division the aggregate value of the crop was three-fourths greater than in 1899.

Including insignificant areas in the New England and Mountain divisions, sweet potatoes and yams, as shown by Table 47, are represented in all divisions, though the three southern divisions, led by the South Atlantic, contained in 1909 over 90 per cent of the entire acreage of this crop. In these divisions North Carolina and Georgia had each somewhat over 84,000 acres in sweet potatoes and yams, while Alabama, Mississippi, and Louisiana likewise had acreages in excess of 50,000. Table 45 gives figures derived mainly from Table 47.

DIVISION OR STATE.	ACREAGE: 1909		AVERAGE YIELD IN BUSHELS PER ACRE.		AVERAGE VALUE PER BUSHEL.		AVERAGE VALUE PER ACRE.	
	Per cent of United States total.	Per cent of improved land.	1909	1899	1909	1899	1909	1899
United States.....	100.0	0.1	92.4	79.1	\$0.60	\$0.47	\$55.25	\$36.98
Middle Atlantic.....	2.7	0.1	133.0	110.4	0.49	0.51	68.51	55.99
East North Central.....	1.0	(1)	102.6	65.2	0.55	0.62	56.54	40.26
West North Central.....	2.4	(1)	110.3	84.4	0.65	0.54	71.24	45.62
South Atlantic.....	4.1	0.6	100.1	82.9	0.54	0.42	54.57	34.80
East South Central.....	25.1	0.4	84.4	69.3	0.67	0.52	56.71	35.83
West South Central.....	19.7	0.2	71.4	73.4	0.69	0.50	49.57	36.69
All other divisions.....	0.9	(2)	(2)	(2)	(2)	(2)	(2)	(2)
North Carolina.....	13.2	1.0	100.2	84.1	0.51	0.37	51.14	30.84
Georgia.....	13.1	0.7	88.4	72.0	0.59	0.46	51.76	33.34
Alabama.....	10.4	0.7	79.8	68.0	0.67	0.49	53.72	33.17
Louisiana.....	8.9	1.1	74.6	68.2	0.55	0.46	41.40	31.41
Mississippi.....	8.7	0.6	79.0	73.8	0.69	0.52	54.84	38.21

<sup>1</sup> Less than one-tenth of 1 per cent.

<sup>2</sup> Not calculated because of unimportance of crop.

It will be noted that the South Atlantic division is the only geographic division in which these crops are grown on as much as one-half of 1 per cent of the improved farm land. An average yield of 92.4 bushels per acre was reported for the country as a whole in 1909. This was exceeded in the leading division, the South Atlantic, but was not attained in either of the other southern divisions, where the acreage was considerable. In both the South Atlantic and the East South Central divisions the yield per acre was greater in 1909 than in 1899. Better prices were obtained in 1909 than in 1899, and this, combined with larger average yields, brought about a considerably higher value per acre for the crop, which was common to all divisions.

## POTATOES—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.

[A minus sign (—) denotes decrease.]

Table 46 DIVISION OR STATE.	ACREAGE.				PRODUCTION (BUSHELS).				VALUE.			
	1909	1899	Increase.		1909	1899	Increase.		1909	1899	Increase.	
			Amount.	Per ct.			Amount.	Per ct.			Amount.	Per ct.
<b>United States.....</b>	<b>3,668,855</b>	<b>2,938,778</b>	<b>730,077</b>	<b>24.8</b>	<b>389,194,965</b>	<b>273,318,187</b>	<b>115,876,798</b>	<b>42.4</b>	<b>\$166,423,910</b>	<b>\$98,380,110</b>	<b>\$68,043,800</b>	<b>69.2</b>
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	233,095	180,025	53,070	29.5	41,245,977	23,466,222	17,779,755	75.8	17,456,938	10,092,191	7,364,747	73.0
Middle Atlantic.....	729,323	676,403	52,920	7.8	78,395,736	64,372,759	14,022,977	21.8	37,292,509	26,608,645	10,683,864	40.1
East North Central.....	1,106,032	957,193	148,839	15.5	111,606,777	80,988,131	30,618,646	37.8	37,427,211	25,501,069	11,926,142	46.8
West North Central.....	783,813	637,184	146,629	23.0	72,067,551	60,812,316	11,255,235	18.5	36,088,015	15,524,932	20,563,083	93.8
South Atlantic.....	239,762	157,481	82,281	52.2	22,102,630	12,150,748	9,951,882	81.9	14,091,735	6,091,072	7,400,663	110.6
East South Central.....	119,541	80,138	39,403	49.2	9,816,160	5,051,854	4,764,306	94.3	5,940,784	2,647,924	3,292,860	124.4
West South Central.....	117,761	72,876	44,885	61.6	7,413,887	4,867,562	2,546,325	52.3	5,439,504	2,428,721	3,010,783	124.0
Mountain.....	169,678	80,226	89,452	111.5	24,232,109	9,046,736	15,185,373	167.9	8,715,380	3,725,046	4,990,334	134.0
Pacific.....	160,850	97,252	72,598	74.6	22,314,138	12,561,839	9,752,299	77.6	9,971,834	5,160,510	4,811,324	93.2
<b>NEW ENGLAND:</b>												
Maine.....	135,799	71,765	64,034	89.2	28,556,537	9,813,748	18,742,089	191.0	10,224,714	3,711,999	6,512,715	175.5
New Hampshire.....	17,370	19,422	-2,052	-10.6	2,360,241	2,420,668	-60,427	-2.5	1,204,626	1,090,495	114,131	10.5
Vermont.....	26,859	28,353	-1,494	-5.3	4,145,630	3,547,829	597,801	16.8	1,743,040	1,333,730	409,319	30.7
Massachusetts.....	24,459	27,521	-3,062	-11.1	2,946,178	3,340,590	-400,412	-12.0	1,938,923	1,800,837	192,986	10.7
Rhode Island.....	4,649	5,816	-1,167	-20.1	552,677	843,853	-291,176	-34.5	408,429	440,632	-31,943	-7.3
Connecticut.....	23,959	27,148	-3,189	-11.7	2,684,414	3,493,534	-809,120	-23.2	1,882,197	1,710,578	167,539	9.8
<b>MIDDLE ATLANTIC:</b>												
New York.....	394,319	395,640	-1,321	-0.3	48,597,701	38,060,471	10,537,230	27.7	20,338,766	15,019,135	5,319,631	35.4
New Jersey.....	72,991	52,896	20,095	38.0	8,057,424	4,542,816	3,514,608	77.4	4,979,900	2,192,456	2,787,444	127.1
Pennsylvania.....	262,013	227,867	34,146	15.0	21,740,611	21,769,472	-28,861	-0.1	11,973,843	9,397,054	2,576,789	27.4
<b>EAST NORTH CENTRAL:</b>												
Ohio.....	212,808	167,590	45,218	27.0	20,322,984	13,709,238	6,613,746	48.2	9,377,955	5,750,068	3,627,887	63.1
Indiana.....	99,504	84,245	15,259	18.1	8,905,679	6,209,080	2,696,599	43.4	3,816,126	2,403,074	1,333,052	54.9
Illinois.....	138,052	136,464	1,588	1.2	12,166,091	12,951,871	-785,780	-6.1	6,401,598	4,702,033	1,699,565	36.1
Michigan.....	365,483	311,963	53,520	17.2	38,243,828	23,476,444	14,767,384	62.9	9,913,778	6,759,342	3,154,436	46.7
Wisconsin.....	290,185	256,931	33,254	12.9	31,908,195	24,641,498	7,266,697	29.7	7,917,754	5,826,552	2,091,202	35.9
<b>WEST NORTH CENTRAL:</b>												
Minnesota.....	223,692	146,659	77,033	52.5	26,802,948	14,643,327	12,159,621	83.0	7,685,259	3,408,997	4,276,262	125.4
Iowa.....	169,567	175,888	-6,321	-3.6	14,710,247	17,305,919	-2,595,672	-15.0	6,629,234	7,370,746	-2,758,488	-71.3
Missouri.....	96,259	93,915	2,344	2.5	7,796,410	7,786,623	9,787	0.1	4,470,135	2,756,695	1,713,440	62.2
North Dakota.....	54,067	21,396	32,131	146.5	5,551,430	2,257,359	3,294,080	145.9	2,079,125	587,498	1,491,627	253.9
South Dakota.....	50,052	33,567	16,485	49.1	3,441,692	2,909,914	531,778	18.3	1,967,550	680,530	1,287,020	189.1
Nebraska.....	111,151	79,901	31,250	39.1	8,117,775	7,817,438	300,337	3.8	3,785,224	2,734,666	2,650,558	118.2
Kansas.....	79,025	85,318	-6,293	-7.4	5,647,049	8,091,745	-2,444,696	-30.2	3,471,488	2,455,800	985,688	39.7
<b>SOUTH ATLANTIC:</b>												
Delaware.....	9,703	5,755	3,948	68.6	880,360	414,610	465,750	112.3	453,400	221,411	231,989	104.8
Maryland.....	39,299	26,472	12,827	48.5	3,444,311	1,901,337	1,542,954	73.0	1,782,954	1,020,003	762,951	74.3
District of Columbia.....	226	194	32	16.5	32,028	15,586	16,442	105.0	20,231	9,546	10,685	111.9
Virginia.....	86,927	51,021	35,906	70.4	8,770,778	4,409,672	4,361,106	98.9	5,667,557	2,494,627	3,172,930	127.2
West Virginia.....	42,021	30,123	12,498	41.5	4,077,066	2,245,821	1,831,245	81.5	2,278,638	1,133,381	1,145,257	101.1
North Carolina.....	31,990	23,619	8,371	35.4	2,372,260	1,636,445	735,815	45.0	1,755,413	862,509	892,904	103.5
South Carolina.....	8,610	8,068	542	6.7	782,430	651,916	130,514	20.0	609,424	435,468	173,956	39.9
Georgia.....	11,577	8,477	3,400	40.1	886,430	553,129	333,301	60.3	684,427	326,853	357,574	109.4
Florida.....	8,509	3,752	4,757	126.8	856,967	232,212	624,755	269.0	839,691	187,274	652,417	343.4
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	55,750	37,160	18,590	50.0	5,120,141	2,661,774	2,458,367	92.4	2,724,043	1,260,100	1,463,943	116.2
Tennessee.....	40,963	27,103	13,860	51.1	2,922,713	1,404,097	1,518,616	108.2	1,790,233	817,419	972,814	119.0
Alabama.....	14,496	9,505	4,991	52.4	1,128,564	587,711	540,853	92.0	884,497	324,628	559,869	172.5
Mississippi.....	8,342	6,370	1,972	31.0	644,742	398,272	246,470	61.9	542,011	245,777	296,234	120.5
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	29,719	26,486	3,233	12.2	2,096,931	1,783,969	312,945	17.5	1,439,991	855,140	584,851	68.4
Louisiana.....	19,655	9,220	10,435	113.2	1,183,525	49,280	634,244	115.5	924,311	309,082	615,229	199.0
Oklahoma.....	32,295	15,360	16,935	110.3	1,897,486	1,191,997	705,489	59.2	1,250,052	539,354	710,698	131.8
Texas.....	36,022	21,810	14,282	65.5	2,235,983	1,342,316	893,667	66.6	1,825,150	725,145	1,100,005	151.7
<b>MOUNTAIN:</b>												
Montana.....	20,710	9,613	11,097	115.4	3,240,696	1,332,062	1,908,634	143.3	1,298,830	661,163	637,667	96.4
Idaho.....	28,341	9,313	19,028	204.3	4,710,262	1,035,290	3,674,972	355.0	1,583,447	442,489	1,140,958	257.8
Wyoming.....	8,333	2,809	5,524	190.7	932,162	262,338	669,824	255.3	524,489	138,368	386,121	279.1
Colorado.....	85,839	44,075	41,764	94.8	11,780,674	4,465,748	7,314,926	163.8	3,704,768	1,717,111	1,987,657	115.8
New Mexico.....	6,230	1,122	5,108	455.3	295,255	72,613	222,642	306.3	234,636	49,552	185,084	373.5
Arizona.....	1,151	626	525	83.9	97,141	33,927	63,214	186.3	98,597	33,925	64,669	190.6
Utah.....	14,210	10,433	3,777	36.2	2,409,093	1,483,570	925,523	62.4	873,961	487,816	386,145	79.2
Nevada.....	4,864	2,235	2,629	117.0	766,826	361,188	405,638	112.3	396,652	194,619	202,033	103.8
<b>PACIFIC:</b>												
Washington.....	57,897	25,119	32,778	130.5	7,667,171	3,557,876	4,109,295	115.5	2,993,737	1,312,948	1,680,789	128.0
Oregon.....	44,265	30,035	14,230	47.4	4,822,962	3,761,367	1,061,595	28.2	2,098,648	1,210,034	888,614	73.4
California.....	67,688	42,098	25,590	60.8	9,824,065	5,242,596	4,581,469	87.4	4,879,149	2,637,528	2,241,621	85.0

Includes Indian Territory.

## SWEET POTATOES AND YAMS—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.

[A minus sign (—) denotes decrease. States are not named when the acreage was less than 1,000 in 1909.]

Table 47

DIVISION OR STATE.	ACREAGE.				PRODUCTION (BUSHELS).				VALUE.			
	1909	1899	Increase.		1909	1899	Increase.		1909	1899	Increase.	
			Amount.	Per cent.			Amount.	Per cent.			Amount.	Per cent.
<b>United States.</b>	<b>641,255</b>	<b>537,312</b>	<b>103,943</b>	<b>19.3</b>	<b>59,232,070</b>	<b>42,517,412</b>	<b>16,714,658</b>	<b>39.3</b>	<b>\$35,429,176</b>	<b>\$19,869,849</b>	<b>\$15,559,336</b>	<b>78.3</b>
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	49	8	41	(1)	4,818	567	4,251	743.7	4,543	346	4,197	1,210.1
Middle Atlantic.....	23,923	24,104	-181	-0.8	3,326,190	2,662,046	664,144	21.9	1,638,902	1,349,588	289,314	21.4
East North Central.....	13,300	15,394	-2,094	-13.6	1,364,256	1,904,277	359,979	35.9	751,929	619,833	132,096	21.3
West North Central.....	15,381	17,660	-2,279	-12.9	1,696,111	1,491,275	204,836	13.7	1,095,724	805,669	290,055	36.0
South Atlantic.....	295,879	263,925	31,954	12.1	29,628,153	21,881,977	7,746,176	35.4	16,146,222	9,183,650	6,962,572	75.8
East South Central.....	169,756	126,586	34,170	27.0	13,573,589	8,772,133	4,801,447	54.7	9,116,510	4,536,187	4,580,323	101.0
West South Central.....	126,407	87,780	38,627	44.0	9,023,928	6,439,547	2,584,381	40.2	6,265,750	3,229,595	3,045,155	94.6
Mountain.....	439	169	270	159.8	38,877	19,064	19,813	103.9	52,596	14,207	38,389	270.2
Pacific.....	5,121	1,686	3,435	203.7	574,157	246,526	327,631	132.9	357,090	139,765	217,325	155.4
<b>MIDDLE ATLANTIC:</b>												
New Jersey.....	22,504	20,588	1,916	9.3	3,186,499	2,418,641	767,858	31.7	1,527,074	1,213,010	314,064	25.9
Pennsylvania.....	1,306	3,443	-2,137	-62.1	128,770	234,724	-105,954	-45.1	104,434	130,990	-26,556	-20.3
<b>EAST NORTH CENTRAL:</b>												
Ohio.....	1,143	3,796	-2,653	-69.9	133,798	249,767	-115,969	-46.4	104,181	158,103	-53,922	-34.1
Indiana.....	1,561	3,989	-2,428	-60.9	178,300	239,487	-61,187	-25.5	139,886	155,585	-15,699	-10.1
Illinois.....	10,568	7,534	3,034	40.3	1,050,932	511,695	539,237	105.4	506,760	303,638	203,122	66.9
<b>WEST NORTH CENTRAL:</b>												
Iowa.....	2,274	2,688	-414	-15.4	232,413	224,622	7,791	3.5	125,763	128,981	-3,218	-2.5
Missouri.....	7,938	9,844	-1,906	-19.4	876,234	743,377	132,857	17.9	567,413	421,470	145,943	33.7
Kansas.....	4,883	4,570	313	6.8	558,021	474,810	83,211	17.5	373,432	224,049	149,383	66.7
<b>SOUTH ATLANTIC:</b>												
Delaware.....	5,229	2,265	2,964	130.9	733,746	222,165	511,581	239.3	276,679	96,566	180,113	186.5
Maryland.....	7,956	6,469	1,487	23.0	1,065,956	677,848	388,108	57.3	483,751	317,462	166,289	52.4
Virginia.....	40,838	40,681	157	0.4	5,270,202	4,470,602	799,600	17.9	2,681,472	1,720,188	961,284	55.9
West Virginia.....	2,079	3,393	-1,314	-38.7	215,582	202,424	13,158	6.5	170,086	125,523	44,563	35.5
North Carolina.....	84,740	68,730	16,010	23.3	8,493,283	5,781,587	2,711,696	46.9	4,333,297	2,119,956	2,213,341	104.4
South Carolina.....	48,878	48,831	47	0.1	4,319,326	3,369,957	949,369	28.2	2,606,606	1,538,205	1,068,401	69.5
Georgia.....	84,038	70,620	13,418	19.0	7,426,131	5,087,674	2,338,457	46.0	4,349,806	2,354,390	1,995,416	84.8
Florida.....	21,935	22,791	-796	-3.5	2,083,665	2,049,784	33,881	1.7	1,231,238	898,282	332,956	37.1
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	11,882	14,178	-2,296	-16.2	1,326,245	925,736	400,459	43.3	839,454	507,038	332,416	65.6
Tennessee.....	26,216	23,374	2,842	12.2	2,504,490	1,571,575	932,915	59.4	1,625,056	883,620	741,436	83.9
Alabama.....	66,613	50,865	15,748	31.0	5,314,857	3,457,386	1,857,471	53.7	3,578,710	1,687,039	1,891,671	112.1
Mississippi.....	56,045	38,169	17,876	46.8	4,427,988	2,817,386	1,610,602	57.2	3,073,290	1,458,490	1,614,800	110.7
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	22,388	13,271	9,117	68.7	1,685,308	998,767	686,541	68.7	1,359,669	534,616	825,053	154.3
Louisiana.....	56,953	27,372	29,581	108.1	1,865,482	2,385,604	-2,851,604	-127.9	2,357,729	850,733	1,497,996	174.2
Oklahoma.....	5,056	13,576	1,480	41.4	350,451	427,463	83,288	30.2	350,553	137,231	213,322	155.4
Texas.....	42,010	43,561	-1,551	-3.6	2,730,083	3,299,135	-569,052	-17.2	2,197,799	1,689,015	508,784	30.1
<b>PACIFIC:</b>												
California.....	5,111	1,607	3,504	218.0	572,814	239,029	333,785	139.6	355,624	135,612	220,012	162.2

¹ Per cent not calculated where base is less than 100.

² Includes Indian Territory.

**Other vegetables** (Table 48).—Except for potatoes and sweet potatoes and yams, which are generally grown in considerable quantities, it is practically impossible to obtain a correct total of the acreage, production, or value of individual kinds of vegetables. Enumerators were instructed to obtain from every farm a separate report for any vegetable grown for sale in considerable quantities, and in all cases to ascertain the total acreage in vegetables of all classes combined, whether grown for farm use or for sale, and the total value of the product. It is scarcely likely, however, that the total acreage and value reported are as accurate in the case of vegetables as in the case of the major crops, since on many farms the production of vegetables is practically confined

to small kitchen gardens. In fact, 707,763 farms reported farm gardens in which vegetables other than potatoes were grown for farm use, but failed to give any acreage or value. In all probability, therefore, the totals obtained from the returns are understated.

In tabulating the statistics the Census Bureau has distinguished between farms which reported the production in 1909 of vegetables (other than potatoes and sweet potatoes and yams) valued at \$500 or more and those on which the product was valued at less than that amount. Farms of the former group usually produce vegetables chiefly for sale, while on a large proportion of the other farms they are raised primarily, if not exclusively, for home consumption.

The acreage of vegetables covered by the table was 2,763,269 in 1909, which was equal to 0.6 per cent of the total improved farm acreage of the country, and was 27.8 per cent greater than the acreage reported 1899. The value of the vegetables reported increased from \$120,282,000 in 1899 to \$216,257,000 in 1909, or 79.8 per cent, and in 1909 constituted 3.9 per cent of the total value of farm crops.

The acreage of vegetables on farms which produced at least \$500 worth of vegetables amounted in 1909 to

566,517, or a little over one-fifth of the total acreage in vegetables, but the value of the vegetables grown on such farms, \$60,105,000, represented 27.8 per cent of the total value reported.

As judged by the acreage and by the value of the product, the South Atlantic was the most important division in the production of miscellaneous vegetables, the East North Central ranking second. The production of vegetables is, however, widely distributed over the entire country.

#### VEGETABLES (EXCLUDING POTATOES AND SWEET POTATOES AND YAMS)—ACREAGE AND VALUE.

DIVISION OR STATE.	PRODUCED ON ALL FARMS TAKEN TOGETHER.				PRODUCED ON FARMS REPORTING A PRODUCT VALUED AT \$500 OR OVER: 1909	
	Acreage.		Value.		Acreage.	Value.
	1909	1899	1909	1899		
<b>United States.</b>	<b>2,763,269</b>	<b>2,162,130</b>	<b>\$216,257,000</b>	<b>\$120,281,811</b>	<b>566,517</b>	<b>\$60,104,504</b>
<b>GEOGRAPHIC DIVS.</b>						
New England.....	101,436	79,793	12,888,885	7,808,535	27,380	5,987,028
Middle Atlantic.....	355,749	301,223	33,543,797	21,081,048	129,547	15,458,878
E. N. Central.....	519,902	496,704	39,104,621	21,800,473	106,443	10,532,517
W. N. Central.....	369,447	328,731	24,078,158	15,081,722	36,410	2,937,542
South Atlantic.....	596,852	456,705	42,045,737	21,678,980	144,088	11,707,673
E. S. Central.....	345,753	265,453	26,551,035	13,338,645	15,999	1,684,997
W. S. Central.....	274,173	217,222	18,553,831	10,659,689	29,696	3,025,167
Mountain.....	74,163	40,704	6,546,672	2,828,751	16,240	2,308,016
Pacific.....	126,702	62,594	12,324,312	4,973,968	61,374	6,462,686
<b>NEW ENGLAND:</b>						
Maine.....	25,288	20,012	2,153,003	1,245,235	1,534	277,204
New Hampshire.....	8,855	7,357	1,071,531	627,271	904	158,447
Vermont.....	8,548	5,131	872,183	371,744	852	111,550
Massachusetts.....	37,220	28,779	6,189,857	3,745,345	17,269	4,277,296
Rhode Island.....	5,275	5,165	636,656	552,635	2,105	300,995
Connecticut.....	16,250	12,349	1,965,635	1,266,902	4,736	801,556
<b>MIDDLE ATLANTIC:</b>						
New York.....	175,402	144,318	15,963,384	10,656,055	59,208	7,561,639
New Jersey.....	86,227	77,779	7,566,493	5,024,130	52,492	5,186,999
Pennsylvania.....	94,111	79,126	10,013,920	6,304,860	17,847	2,710,270
<b>E. N. CENTRAL:</b>						
Ohio.....	123,461	103,346	11,303,791	6,446,236	26,225	3,259,193
Indiana.....	114,267	95,434	7,498,421	4,324,435	16,829	1,327,017
Illinois.....	120,231	110,945	9,332,296	5,304,903	36,796	3,291,385
Michigan.....	90,861	57,501	6,286,642	3,394,263	11,332	1,528,349
Wisconsin.....	70,123	39,578	4,583,865	2,220,634	14,660	1,126,373
<b>W. N. CENTRAL:</b>						
Minnesota.....	46,021	28,361	3,359,052	1,503,401	5,195	614,895
Iowa.....	89,402	83,193	5,565,411	3,509,127	14,437	773,011
Missouri.....	129,570	116,236	8,268,281	5,544,337	8,648	860,488
North Dakota.....	13,383	4,269	1,069,123	256,296	321	41,109
South Dakota.....	15,150	7,664	1,633,163	389,717	667	82,832
Nebraska.....	39,164	34,562	2,118,393	1,438,620	2,654	185,924
Kansas.....	48,757	54,166	2,963,733	2,440,305	4,488	382,263
<b>SOUTH ATLANTIC:</b>						
Delaware.....	22,939	23,987	\$1,102,620	\$826,244	3,710	\$239,450
Maryland.....	108,084	100,403	5,723,400	3,578,267	59,762	2,715,405
Dist. Columbia.....	964	983	167,376	87,616	862	154,729
Virginia.....	124,354	99,002	8,989,467	4,868,459	19,512	1,875,624
West Virginia.....	43,524	29,290	4,519,894	1,697,028	1,759	193,266
North Carolina.....	365,980	364,508	6,496,308	3,121,492	6,281	440,363
South Carolina.....	51,944	40,771	3,765,691	2,901,174	9,228	797,547
Georgia.....	91,413	73,907	5,580,368	3,653,898	9,492	596,069
Florida.....	57,600	26,762	6,314,313	1,954,802	33,482	4,697,220
<b>E. S. CENTRAL:</b>						
Kentucky.....	115,607	83,634	8,287,497	4,418,816	4,227	447,345
Tennessee.....	100,655	75,408	7,015,686	3,445,553	3,624	343,784
Alabama.....	69,408	58,822	5,379,577	2,642,566	3,846	420,322
Mississippi.....	61,223	50,589	5,868,275	2,831,710	4,302	473,546
Arkansas.....	60,261	45,355	4,843,442	2,245,587	1,175	121,472
Louisiana.....	38,221	26,596	3,000,864	1,753,580	6,603	731,073
Oklahoma.....	51,611	33,463	2,610,239	1,439,614	1,819	131,364
Texas.....	124,680	111,809	8,999,306	5,260,638	19,459	2,040,758
<b>MOUNTAIN:</b>						
Montana.....	7,300	4,272	928,906	375,792	1,046	236,593
Idaho.....	10,029	6,332	1,067,667	391,315	1,026	194,239
Wyoming.....	2,933	1,431	332,120	57,882	228	51,687
Colorado.....	32,422	15,496	2,349,634	1,131,950	8,896	1,110,423
New Mexico.....	8,219	4,034	567,134	207,424	984	144,465
Arizona.....	4,302	2,192	379,263	156,508	1,570	184,623
Utah.....	7,006	6,023	717,776	396,069	1,630	225,613
Nevada.....	1,952	924	264,122	98,781	920	160,373
<b>PACIFIC:</b>						
Washington.....	24,410	13,848	2,988,510	1,040,668	4,154	954,006
Oregon.....	23,129	16,345	2,418,917	1,074,468	3,851	672,679
California.....	79,163	32,401	6,886,885	2,858,832	53,369	4,836,001

<sup>1</sup> Includes Indian Territory.

#### TOBACCO.

Detailed statistics concerning the tobacco crop of 1909, with comparative figures for 1899, are given in Table 50. Table 49 gives percentages and averages for the important producing divisions and states, based mainly on Table 50.

The tobacco crop is more localized than most other staple crops. In the aggregate, 1,294,911 acres were in tobacco in 1909, representing 0.3 per cent of the improved farm acreage of the country. In the distribution of this acreage, the East South Central division, containing 43.3 per cent of the total, led all others. This figure was closely approximated, however, by the South Atlantic division, which contained 37.6 per cent of the total acreage. The combined acreage in the East North Central and Middle Atlantic divisions was only about half as great as that in the South Atlantic division alone. The acreage of tobacco in New England

was small and that in the region west of the Mississippi was quite insignificant. The state of Kentucky had the greatest area in tobacco—469,795 acres. North Carolina was next in order, but had an acreage less than half that of Kentucky. The only other states having an acreage in excess of 100,000 were Virginia and Ohio. These four states had three-fourths of the entire acreage devoted to this crop.

The proportion of the improved farm land in tobacco was larger in the East South Central division (1.3 per cent) than in any other, though in the South Atlantic division it was only slightly less (1 per cent). The leading states exceeded this proportion considerably.

In 1909, as compared with 1899, there was an increase in the area in tobacco of 193,451 acres, or 17.6 per cent. In the division having the largest acreage,

the East South Central, the gain was over 100,000 acres, or 22.4 per cent. An absolute gain about half as great occurred in the East North Central division, where the relative increase was nearly 50 per cent. It is noticeable that in the South Atlantic division the increase was much less, amounting to only 4.6 per cent. Next to Kentucky, where the acreage in 1909 was 84,990 more than in 1899, the greatest gain was in Ohio.

**Table 49**

DIVISION OR STATE.	ACREAGE: 1909		AVERAGE YIELD IN POUNDS PER ACRE.		AVERAGE VALUE PER POUND.		AVERAGE VALUE PER ACRE.	
	Per cent of United States total.	Per cent of land plowed.	1909	1899	1909	1899	1909	1899
United States.....	100.0	0.3	615	788	\$0.10	\$0.07	\$60.55	\$61.74
New England.....	1.7	0.3	1,746	1,075	0.15	0.17	230.75	288.59
Middle Atlantic.....	2.5	0.2	1,123	1,420	0.08	0.07	94.41	105.75
East North Central.....	13.3	0.2	919	1,035	0.10	0.07	87.71	71.66
South Atlantic.....	37.6	1.0	686	645	0.10	0.06	67.38	39.99
East South Central.....	43.3	1.3	834	794	0.10	0.06	81.26	46.63
All other divisions.....	0.5	( <sup>1</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Kentucky.....	36.3	3.3	848	817	0.10	0.06	84.86	48.19
North Carolina.....	17.1	2.5	628	628	0.10	0.07	62.71	38.59
Virginia.....	14.5	1.9	717	667	0.09	0.06	65.63	39.11
Ohio.....	8.2	0.6	832	923	0.10	0.07	84.51	68.10

<sup>1</sup> Less than one-tenth of 1 per cent.

<sup>2</sup> Not calculated because of unimportance of crop.

### TABACCO—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.

[A minus sign (—) denotes decrease. States are not named when the acreage was less than 1,000 in 1909.]

**Table 50**

DIVISION OR STATE.	ACREAGE.				PRODUCTION (POUNDS).				VALUE.			
	1909	1899	Increase.		1909	1899	Increase.		1909	1899	Increase.	
			Amount.	Per ct.			Amount.	Per ct.			Amount.	Per ct.
United States.....	1,294,911	1,101,460	193,451	17.6	1,055,764,806	668,112,865	187,651,941	21.6	\$104,302,856	\$56,987,902	\$47,314,954	83.0
<b>GEOGRAPHIC DIVISIONS:</b>												
New England.....	21,745	14,212	7,533	53.0	37,961,893	23,810,324	14,151,369	59.4	5,670,002	4,101,428	1,568,574	38.2
Middle Atlantic.....	45,852	39,069	6,783	17.4	51,510,925	55,461,710	-3,950,785	-7.1	4,328,854	4,131,623	197,231	4.8
East North Central.....	171,973	115,810	56,163	48.5	157,959,785	119,851,780	38,108,005	31.8	15,082,892	8,298,696	6,784,196	81.7
West North Central.....	5,709	4,706	1,003	21.3	5,704,572	3,349,811	2,354,761	70.3	713,321	245,726	467,595	190.3
South Atlantic.....	487,411	465,754	21,657	4.6	334,569,496	300,194,090	34,375,406	11.5	32,843,156	18,627,038	14,216,118	76.3
East South Central.....	560,323	457,998	102,325	22.4	467,348,072	363,820,310	103,527,762	28.5	45,548,716	21,355,283	24,193,433	113.3
West South Central.....	1,683	3,857	-2,174	-56.4	700,915	1,562,830	-891,915	-56.0	114,452	222,392	-107,940	-48.5
Mountain.....	11	8	3	( <sup>1</sup> )	3,457	2,510	947	37.7	778	408	370	90.7
Pacific.....	4	46	-42	( <sup>1</sup> )	5,691	29,300	-23,609	-80.6	685	5,308	-4,623	-87.1
<b>NEW ENGLAND:</b>												
Massachusetts.....	5,521	3,826	1,695	44.3	9,549,306	6,406,570	3,142,736	49.1	1,218,660	956,399	261,661	27.4
Connecticut.....	16,042	10,119	5,923	58.5	29,110,453	16,930,770	11,179,683	66.0	4,415,948	3,074,022	1,341,926	43.7
<b>MIDDLE ATLANTIC:</b>												
New York.....	4,109	11,307	-7,198	-63.7	5,345,035	13,958,370	-8,613,335	-61.7	402,517	1,172,236	-769,719	-65.7
Pennsylvania.....	41,742	27,760	13,982	50.4	46,164,800	41,502,620	4,662,180	11.2	3,926,116	2,959,304	966,812	32.7
<b>EAST NORTH CENTRAL:</b>												
Ohio.....	106,477	71,422	35,055	49.1	88,603,308	65,957,100	22,646,208	34.3	8,998,887	4,864,191	4,134,696	85.0
Indiana.....	23,694	8,219	15,475	188.3	21,387,824	6,882,470	14,505,354	210.8	2,145,193	445,658	1,699,535	381.4
Illinois.....	1,313	2,242	-929	-41.4	1,029,616	1,447,150	-417,534	-28.9	80,389	85,411	-5,022	-5.9
Wisconsin.....	40,458	33,850	6,628	19.6	46,960,182	45,500,480	1,459,702	3.1	3,855,033	2,868,091	986,942	33.0
<b>WEST SOUTH CENTRAL:</b>												
Missouri.....	5,433	4,361	1,072	24.6	5,372,738	3,041,996	2,330,742	76.6	676,479	218,991	457,488	208.9
<b>SOUTH ATLANTIC:</b>												
Maryland.....	26,072	42,911	-16,839	-39.2	17,845,699	24,589,480	-6,743,781	-27.4	1,457,112	1,438,169	18,943	1.3
Virginia.....	185,427	184,334	1,093	0.6	132,979,390	122,884,900	10,094,490	8.2	12,169,056	7,210,165	4,958,891	68.8
West Virginia.....	17,928	5,129	12,799	249.5	14,356,400	3,087,140	11,269,260	365.0	1,923,180	228,620	1,694,560	741.2
North Carolina.....	221,800	203,023	18,867	9.3	138,813,163	127,503,400	11,309,763	8.9	13,847,559	8,038,691	5,808,868	72.3
South Carolina.....	30,082	25,993	4,089	15.7	25,583,049	19,895,970	5,687,079	28.6	2,123,576	1,297,293	826,283	63.7
Georgia.....	2,025	2,304	-279	-12.1	1,485,994	1,105,660	380,334	34.4	297,167	159,659	137,508	86.1
Florida.....	3,987	2,036	1,951	93.9	3,505,801	1,125,660	2,380,201	211.5	1,025,476	254,211	771,265	303.4
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	469,795	384,805	84,990	22.1	398,482,301	314,288,050	84,194,251	26.8	39,868,753	18,541,682	21,326,771	115.0
Tennessee.....	90,468	71,849	18,619	25.9	68,756,599	49,157,550	19,599,049	39.9	5,661,681	2,748,405	2,913,186	106.0

<sup>1</sup> Per cent not calculated where base is less than 100.

<sup>2</sup> Corrected from 1900 Report on Agriculture, Part II.

## COTTON AND COTTON SEED.

**Cotton (Table 52).**—Of the 32,043,838 acres of cotton harvested in 1909, the West South Central division contained nearly half, the South Atlantic division 28.1 per cent, and the East South Central division 24.7 per cent. Though cotton is reported from three other divisions, the acreages are comparatively insignificant. There are, however, three counties in southeastern Missouri in which the cotton acreage is considerable. Texas, with nearly 10,000,000 acres, has considerably over one-fourth of the total area in this crop, and Georgia has about half the acreage of Texas, while Alabama and Mississippi, which follow in the order named, have each more than 3,000,000 acres in cotton. The four states named report about 70 per cent of the total acreage. The accompanying map shows graphically the distribution of the cotton acreage among the states.

The prominence of cotton in the agriculture of the South is indicated by the large percentages of the total improved land occupied by this crop in the southern divisions, as shown by Table 51. In the South as a whole cotton occupied 21.2 per cent of the improved farm land. In each of the four states shown in Table 51 the cotton acreage exceeds one-third of all the improved land in farms.

The area in cotton increased from 1899 to 1909 by 7,768,737 acres, or 32 per cent. Of this gain more than half was reported from the West South Central division, there being a gain of nearly 3,000,000 acres in the state of Texas and of over 1,000,000 acres in the state of Oklahoma. A gain of over 1,000,000 acres was reported in Georgia. The percentage of increase in the West South Central division exceeded that for the United States as a whole, and that in the South Atlantic division almost equaled it, but the rate of gain in the East South Central division was considerably less.

**Table 51**

DIVISION OR STATE.	ACREAGE: 1909.		AVERAGE YIELD IN BALES PER ACRE.		AVERAGE VALUE PER BALE.		AVERAGE VALUE PER ACRE.	
	Per cent of United States total.	Per cent of improved land.	1909	1899	1909	1899	1909	1899
<b>United States.....</b>	<b>100.0</b>	<b>6.7</b>	<b>0.33</b>	<b>0.39</b>	<b>\$55.07</b>	<b>\$33.96</b>	<b>\$21.96</b>	<b>\$13.34</b>
West North Central.....	0.3	0.1	0.56	0.56	62.25	33.20	35.14	18.61
South Atlantic.....	28.1	18.6	0.45	0.39	63.45	33.59	28.28	13.26
East South Central.....	24.7	18.0	0.32	0.39	69.53	34.85	22.15	13.77
West South Central.....	46.9	25.8	0.27	0.39	66.56	33.62	17.98	13.09
All other divisions.....	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Texas.....	31.0	36.3	0.25	0.36	66.28	33.65	16.39	13.90
Georgia.....	15.2	39.7	0.41	0.37	63.59	33.02	25.94	13.94
Alabama.....	11.6	38.5	0.39	0.35	65.70	33.45	19.89	13.14
Mississippi.....	19.6	37.7	0.33	0.45	73.77	36.03	24.45	18.65

<sup>1</sup> Less than one-tenth of 1 per cent.

<sup>2</sup> Not calculated because of unimportance of crop.

## COTTON—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS AND STATES: 1909 AND 1899.

[A minus sign (—) denotes decrease. States are not named when the acreage was less than 1,000 in 1909.]

**Table 52**

DIVISION OR STATE.	ACREAGE.				PRODUCTION (RUNNING BALES).				VALUE.			
	1909	1899	Increase.		1909	1899	Increase.		1909	1899	Increase.	
			Amount.	Per ct.			Amount.	Per ct.			Amount.	Per ct.
<b>United States.....</b>	<b>32,043,838</b>	<b>24,275,101</b>	<b>7,768,737</b>	<b>32.0</b>	<b>10,649,268</b>	<b>9,534,707</b>	<b>1,114,561</b>	<b>11.7</b>	<b>\$703,619,303</b>	<b>\$323,758,171</b>	<b>\$379,861,132</b>	<b>117.3</b>
<b>GEOGRAPHIC DIVISIONS:</b>												
West North Central.....	96,563	45,749	50,814	111.1	54,508	25,646	28,862	112.5	3,393,040	851,478	2,541,562	298.5
South Atlantic.....	9,002,776	6,842,489	2,160,287	31.6	4,012,942	2,701,766	1,311,176	48.5	254,636,995	90,759,735	163,877,260	180.6
East South Central.....	7,926,019	6,725,588	1,200,431	17.8	2,524,714	2,656,599	-131,885	-5.0	175,543,582	92,500,366	82,953,216	89.6
West South Central.....	15,017,347	10,661,219	4,356,128	40.9	4,056,704	4,150,658	-93,954	-2.3	270,018,794	139,554,349	130,464,355	93.5
Mountain.....	809	56	753	(1)	217	38	179	(1)	15,238	2,243	12,995	579.4
Pacific.....	324	.....	324	.....	183	.....	183	.....	11,744	.....	11,744	.....
<b>WEST NORTH CENTRAL:</b>												
Missouri.....	96,527	45,596	50,931	111.7	54,498	25,576	28,922	113.1	3,392,440	849,199	2,543,241	299.5
<b>SOUTH ATLANTIC:</b>												
Virginia.....	25,147	25,724	-577	-2.2	10,480	10,789	-309	-2.9	695,721	346,600	349,121	100.7
North Carolina.....	1,274,404	1,007,020	267,384	26.6	665,132	459,707	205,425	44.7	42,066,099	15,696,952	26,369,147	168.0
South Carolina.....	2,556,467	2,074,081	482,386	23.3	1,279,866	881,422	398,444	45.2	80,337,945	29,590,152	50,747,793	171.5
Georgia.....	4,883,304	3,513,839	1,369,465	39.0	1,992,408	1,287,992	704,416	54.7	125,695,612	42,534,235	83,161,377	197.9
Florida.....	263,454	221,825	41,629	18.8	65,056	61,856	3,200	5.2	4,841,581	2,591,796	2,249,785	86.8
<b>EAST SOUTH CENTRAL:</b>												
Kentucky.....	7,811	2,396	5,415	226.0	3,469	1,369	2,100	153.4	223,024	52,812	170,212	322.3
Tennessee.....	787,516	623,137	164,379	26.4	264,562	234,592	29,970	12.8	17,966,517	8,192,642	9,773,875	119.3
Alabama.....	3,730,482	3,202,155	528,327	16.5	1,129,527	1,105,840	22,687	2.0	74,205,236	37,004,598	37,200,638	100.5
Mississippi.....	3,400,210	2,897,920	502,290	17.3	1,127,156	1,313,798	-186,642	-14.2	83,148,845	47,340,314	35,808,491	75.6
<b>WEST SOUTH CENTRAL:</b>												
Arkansas.....	2,153,222	1,641,855	511,367	31.1	776,879	709,880	66,999	9.4	54,559,503	24,671,445	29,888,058	121.1
Louisiana.....	967,011	1,376,254	-419,243	-30.5	268,909	700,041	-431,132	-62.1	17,321,894	23,523,143	-6,198,258	-26.3
Oklahoma.....	1,976,935	* 682,743	1,294,192	189.5	555,742	* 225,525	330,217	146.4	35,369,356	* 7,027,048	28,342,308	403.8
Texas.....	9,939,179	6,900,367	2,968,812	42.7	2,455,174	2,506,212	-51,038	-2.0	162,735,041	84,332,713	78,402,328	93.0

\* 1 Per cent not calculated where base is less than 100.

\* Includes Indian Territory.



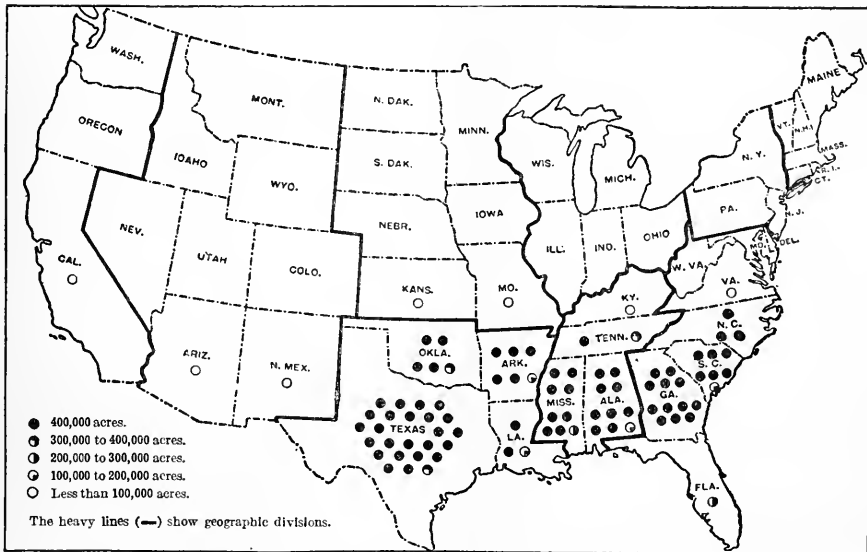
The total production of cotton in 1909 was 10,649,000 bales, an increase of 1,115,000 bales, or 11.7 per cent, over that of 1899. The yield of cotton was 0.33 bale per acre in 1909, as against 0.39 bale per acre in 1899. In each of the southern divisions, except the South Atlantic, there was a smaller average yield in 1909 than 10 years earlier. As a result the relative gain in production for the country is less than the relative gain in acreage. Two divisions, the East and West South Central, reported a smaller crop than 10 years previously. On the other hand, in the South Atlantic division the crop increased nearly one-half.

The average value of cotton per bale, which was \$33.96 in 1899, was \$66.07 in 1909, an advance of nearly 95 per cent. Hence, with an increased production, the total value of the cotton crop in 1909, \$703,619,000, was larger than that of 1899 by \$379,861,000, or 117.3 per cent. The increase in the value of the crop was sufficient to offset losses in acreage and yield, except in Louisiana.

The value of the cotton crop of 1909 was 12.8 per cent of the total value of crops for the country as a whole; for the South alone cotton represents 36.6 per cent of the total value of crops.

## COTTON.

ACREAGE, BY STATES: 1909.



**Cotton seed** (Table 53).—The agricultural schedules of 1910 and 1900 did not call for the quantity of cotton seed produced or its value, but the schedule of 1910 called for the quantity and value of the cotton seed sold during 1909. It was believed that, for various reasons, it would be impossible for many farmers to report accurately the total quantity of cotton seed produced. Inasmuch, however, as the sales of cotton seed are much less than the total production, it seemed desirable to make a rough estimate of the total quantity and value of cotton seed produced. It has been the usual custom among farmers and in the cotton trade to assume that (in the case of upland cotton, which constitutes the great bulk of the crop) about one-third of the weight of the seed cotton is lint and two-thirds seed. Although during recent years the ratios have probably been nearer 35 per cent lint and 65 per cent seed, the bureau has made its estimates of the production of cotton seed on the

more customary basis. It has further assumed for convenience that a bale of cotton as reported by the farmer contains 500 pounds of lint cotton, which is probably a slight exaggeration, inasmuch as no allowance is made for bagging and ties. The production of cotton seed by counties and states, and for the South as a whole has, in other words, been estimated by the simple method of allowing 1,000 pounds of seed for each bale of cotton. Aside from a considerable margin of error in the total quantity thus estimated for the South as a whole, there is doubtless some additional error in individual counties. The value of cotton seed has been estimated for 1899 by multiplying the estimated total quantity produced by the average price reported by the cottonseed-oil mills as paid for the seed purchased during that year; and for 1909 by multiplying the estimated quantity produced by the average value per ton reported by farmers for the seed sold by them. It is assumed that the average value of the entire crop is the same as the average

value of that part sold. Table 53 shows the estimated quantity and value of cotton seed produced for 1909 and 1899 for the country as a whole and by geographic divisions.

The estimated quantity of cotton seed produced in 1899 was 4,767,000 tons, and in 1909, 5,325,000 tons.

The estimated value of the cotton seed in 1899 was \$46,951,000, and in 1909, \$121,077,000, an increase of 157.9 per cent, as compared with an increase of 117.3 per cent in the value of lint cotton produced.

The total quantity of cotton seed reported by farmers as sold during 1909 was 2,075,000 tons, and its value \$47,350,000.

## SUGAR CROPS.

Sugar and related products are obtained in the United States from three widely different classes of plants—cane (sugar cane and sorghum cane), beets, and maple trees. Ordinary sugar is derived from sugar cane and sugar beets. Beet sugar is made altogether in large factories, which are covered by the manufactures census, and this report relates only to the production of the beets. Most of the sugar cane also is crushed in mills covered by the manufactures census. Some, however, is crushed in mills on farms and plantations, the operations of which can not be separated from the agricultural operations, so that the products are included in the present report; these mills, however, make practically no sugar, their chief product being sirup. A part of the sorghum cane produced is used for fodder, but there are numerous small mills which crush it for the purpose of producing sirup. Almost all of these mills are on farms, and the quantity as well as the value of their product in that case is covered by the census of agriculture. Maple sirup and maple sugar are almost wholly made on farms.

**Sugar cane** (Table 54).—The acreage in sugar cane in 1909 was 476,849, an increase of 23.2 per cent as compared with 1899. The production in 1909 was 6,240,000 tons, representing an increase of 48.5 per cent. The value of the sugar cane in 1909, including that of the sugar, sirup, and molasses reported on the agricultural schedules, was \$26,416,000, and constituted 0.5 per cent of the total value of farm crops for the country. The value of sugar cane produced in the South represented 1.4 per cent of the value of all crops of that section. More than two-thirds of the total acreage of sugar cane in 1909 was in Louisiana, and most of the remainder in Georgia, Texas, Alabama, and Mississippi.

Satisfactory comparison can not be made between the total value of the product as reported for 1909 and that for 1899, for the reason that in 1899 reports of many large mills on plantations were included in the agricultural census, while most such mills in 1909 were covered by the manufactures census. A much larger proportion of the value given for the earlier year therefore consists of the value of the manufactured product—sugar and molasses.

## COTTON SEED—ESTIMATED PRODUCTION AND VALUE.

DIVISION.	ESTIMATED PRODUCTION (TONS).		ESTIMATED VALUE.		
	1909	1899	1909	1899	Per cent of increase.
United States.....	5,324,634	4,767,353	\$121,078,984	\$46,950,575	157.9
West North Central.....	27,254	12,823	585,569	55,304	959.5
South Atlantic.....	2,006,471	1,350,883	48,468,166	14,049,551	245.0
East South Central.....	1,262,367	1,328,299	28,717,084	12,737,092	155.2
West South Central.....	2,025,352	2,075,329	43,273,688	20,108,566	115.2
Mountain.....	109	19	1,625	62	( <sup>1</sup> )
Pacific.....	91		1,032		

<sup>1</sup> Percent not calculated where base is less than 100.

## SUGAR CANE—ACREAGE, PRODUCTION, AND VALUE.

STATE.	ACREAGE.		PRODUCTION (TONS).		VALUE. <sup>1</sup>	
	1909	1899	1909	1899	1909	1899
United States..	476,849	388,986	6,240,260	4,202,202	\$26,416,952	\$20,541,638
Alabama.....	27,211	32,571	226,634	267,857	1,837,186	1,459,000
Arkansas.....	8,520	400	19,808	4,067	152,298	25,285
Florida.....	12,928	13,800	142,517	140,729	1,069,698	723,176
Georgia.....	37,046	26,056	317,460	284,410	2,268,110	1,480,704
Louisiana.....	329,684	276,960	3,941,696	3,127,338	17,752,537	14,627,282
Mississippi.....	24,801	11,552	222,600	122,384	1,506,887	804,870
North Carolina.....	294	25	1,494	190	10,697	1,412
South Carolina.....	7,053	7,342	59,865	73,702	434,634	429,425
Texas.....	34,315	17,824	307,502	170,485	1,669,683	977,053
All other states.....	127	94	324	1,601	4,242	3,423

<sup>1</sup> The values given include the value of sugar, sirup, and molasses, so far as covered by the agricultural census. See text as to incomparability of the two censuses.

Of the 6,240,000 tons of sugar cane produced in 1909, 4,639,000 tons were sold,<sup>1</sup> the amount received therefrom being \$16,766,000; in 1899, out of 4,202,000 tons produced, only 1,126,000 tons, valued at \$3,882,000, were sold. The average value per ton for the cane sold was \$3.61 in 1909 and \$3.45 in 1899, and assuming the same value per ton for the rest of the cane, the total value of cane produced in 1909 would be \$22,527,000 and the value of that produced in 1899 would be \$14,498,000. These figures represent an increase of 55.4 per cent in the total value of the crop.

In 1909 the plantation mills covered by the agricultural census made 21,633,579 gallons of sirup, 125,647 pounds of sugar, and 4,153 gallons of molasses. The total value of these products was reported as \$9,650,000.

No satisfactory comparison can be made between 1909 and 1899 as to the amount of sirup, sugar, and molasses made on plantations, for the reason already stated.

The total production of cane sugar in factories covered by the manufactures census in 1909 was 326,858 tons; of molasses, 24,588,000<sup>2</sup> gallons; and of sirup, 1,450,000<sup>2</sup> gallons; these figures all being additional to those derived from the agricultural census.

<sup>1</sup> Including that delivered to mills owned by the plantation but covered by the manufactures census.

<sup>2</sup> Does not include the operations of four establishments which manufacture sugar, two of which were operated in connection with penal institutions and two of which were engaged primarily in the manufacture of products other than those covered by the industry designated. The output of these establishments was 7,281 tons of sugar and 693,302 gallons of molasses.

**Sorghum cane** (Table 55).—The acreage of sorghum cane in 1909 was 444,089, or 51.5 per cent more than in 1899. And although the production was 13.8 per cent less than in the earlier year, probably on account of unfavorable weather conditions in 1909, the value of the crop, amounting in 1909 to \$10,174,000, or 0.2 per cent of the total value of all farm crops, showed a great increase. The value as stated includes that of the sirup made on farms. The amount of such sirup was 16,532,000 gallons, valued at \$7,963,000, and the value of the cane sold or used as forage was \$2,211,000.

The amount of sirup made in 1899 was 16,973,000 gallons and its value, \$5,288,000. The crop is quite widely distributed through the country, but is much more important in the South than in the North or the West. The leading states in acreage in 1909 were Kentucky, Texas, Tennessee, Missouri, and Arkansas.

**SORGHUM CANE—ACREAGE, PRODUCTION, AND VALUE.**

STATE.	ACREAGE.		PRODUCTION (TONS).		VALUE. <sup>1</sup>	
	1909	1899	1909	1899	1909	1899
<b>United States</b> .....	<b>444,089</b>	<b>293,132</b>	<b>1,647,262</b>	<b>1,910,046</b>	<b>\$10,174,457</b>	<b>\$6,103,102</b>
Alabama.....	17,319	14,831	72,888	95,290	439,263	371,354
Arizona.....	586	133	1,451	953	13,886	4,882
Arkansas.....	33,671	17,684	93,123	122,779	658,075	368,816
California.....	645	149	3,021	1,085	14,826	3,788
Colorado.....	3,169	51	7,161	349	45,539	1,107
Florida.....	379	.....	2,173	.....	10,113	.....
Georgia.....	15,612	11,553	64,336	78,768	419,561	250,592
Illinois.....	15,039	9,138	90,287	84,326	496,114	223,344
Indiana.....	12,232	7,855	79,472	65,685	465,618	193,635
Iowa.....	6,225	8,267	28,957	58,347	173,259	218,999
Kansas.....	15,406	20,689	60,821	88,846	251,762	279,029
Kentucky.....	62,327	21,982	226,338	152,421	1,416,565	449,276
Louisiana.....	1,690	937	6,073	6,061	34,277	18,367
Michigan.....	416	377	2,765	2,787	18,595	10,486
Minnesota.....	1,709	2,283	13,253	14,369	83,966	59,714
Mississippi.....	17,851	15,734	55,339	119,164	343,641	323,417
Missouri.....	45,088	30,997	201,206	201,165	1,036,263	680,624
Nebraska.....	4,034	4,778	10,477	14,119	61,025	74,817
New Mexico.....	2,371	81	2,819	314	26,877	1,963
North Carolina.....	21,227	20,227	86,462	112,056	541,294	446,897
Ohio.....	4,709	5,037	28,644	38,739	180,545	126,781
Oklahoma.....	25,546	116,477	64,599	49,237	489,112	115,411
South Carolina.....	8,445	7,250	27,612	49,590	185,358	178,323
Tennessee.....	52,907	31,364	205,901	226,523	1,145,932	647,129
Texas.....	55,027	36,303	101,691	174,965	955,769	554,790
Utah.....	340	371	1,654	3,080	12,878	13,435
Virginia.....	8,288	8,039	41,449	73,137	223,224	196,915
West Virginia.....	8,607	6,870	48,094	56,469	300,218	189,935
Wisconsin.....	2,281	2,399	15,735	16,963	84,636	64,448
All other states.....	1,020	665	5,576	4,560	37,297	16,709

<sup>1</sup> The values given include the value of sorghum sirup so far as covered by the agricultural census.

<sup>2</sup> Includes Indian Territory.

**Sugar beets.**—As shown in Table 56, the acreage of sugar beets in the United States in 1909, 364,093, was more than three times as great as in 1899; the production, 3,933,000 tons, was nearly five times as great; and the value, \$19,881,000, was almost six times as great. The average value per ton in 1909 was \$5.06 and in 1899, \$4.19. The crop in 1909 occupied 0.1 per cent of the improved farm acreage of the country, and its value constituted 0.4 per cent of the value of all crops.

Although sugar beets intended for sugar manufacture are now raised in a considerable number of states, much the greater part of the production is in Colorado, California, Michigan, Utah, Idaho, and Wisconsin.

The development in Colorado during the past decade has been particularly striking.

In addition to the sugar beets covered by this table, which has been confined as far as practicable to those raised for the purpose of making sugar, small quantities are raised in many states for forage.

**SUGAR BEETS—ACREAGE, PRODUCTION, AND VALUE.**

STATE.	ACREAGE.		PRODUCTION (TONS).		VALUE.	
	1909	1899	1909	1899	1909	1899
<b>United States</b> .....	<b>364,093</b>	<b>110,176</b>	<b>3,932,857</b>	<b>792,356</b>	<b>\$19,880,724</b>	<b>\$3,323,240</b>
Arizona.....	4,494	.....	356,333	.....	2,211,333	.....
California.....	75,967	41,242	845,191	356,333	4,320,532	1,550,346
Colorado.....	108,082	1,094	1,231,712	6,656	6,091,152	26,711
Idaho.....	15,601	.....	179,661	.....	813,604	.....
Illinois.....	1,181	1,370	14,891	.....	77,732	36,423
Indiana.....	756	.....	7,194	.....	40,861	.....
Iowa.....	1,051	.....	7,117	.....	35,024	.....
Kansas.....	5,851	.....	50,736	.....	256,262	.....
Michigan.....	78,778	40,247	707,639	215,314	4,014,123	877,481
Minnesota.....	2,238	2,114	24,140	15,959	118,623	59,826
Montana.....	8,804	.....	109,434	.....	546,832	.....
Nebraska.....	4,191	8,662	39,874	62,470	180,247	222,528
New Mexico.....	35	1,298	239	9,965	1,492	16,849
New York.....	1,313	2,053	10,990	16,038	59,290	75,487
Ohio.....	7,036	.....	63,696	.....	319,667	.....
Oregon.....	1,176	2,510	15,006	14,462	74,902	63,322
Utah.....	27,472	1,546	413,946	85,914	1,858,606	365,153
Washington.....	1,820	1,863	13,794	6,149	85,954	26,176
Wisconsin.....	12,379	34	127,520	233	667,185	937
Wyoming.....	1,207	.....	13,418	.....	61,398	.....
All other states.....	1,701	137	6,333	525	50,333	2,461

**Maple sugar and sirup** (Table 57).—The total number of maple trees reported by the farmers as tapped in 1909 was 18,899,533; they produced 14,060,000 pounds of sugar and 4,106,000 gallons of sirup, the combined value of which was \$5,178,000.

The quantity of maple sugar made on farms was 17.9 per cent greater than in 1899, while the quantity of sirup was almost twice as great, and the combined value of the sugar and sirup nearly twice as great as in 1899. Ohio is the leading state in the production of sirup, followed by New York and Vermont; but Vermont far outranks all other states in the production of maple sugar, New York and Pennsylvania ranking second and third, respectively. In the combined value of the two products, New York ranks first.

**MAPLE SUGAR AND SIRUP—QUANTITY AND VALUE.**

STATE.	SUGAR MADE (POUNDS).		SIRUP MADE (GALLONS).		VALUE OF SUGAR AND SIRUP.	
	1909	1899	1909	1899	1909	1899
<b>United States</b> .....	<b>14,060,206</b>	<b>11,928,770</b>	<b>4,106,418</b>	<b>2,056,611</b>	<b>\$5,177,809</b>	<b>\$2,636,711</b>
Connecticut.....	10,207	4,930	4,236	948	6,988	1,736
Illinois.....	5,366	4,060	18,492	9,357	23,362	9,841
Indiana.....	12,900	12,900	273,728	175,576	300,555	166,307
Iowa.....	6,173	2,320	8,596	2,262	11,495	2,920
Kentucky.....	10,697	2,340	3,547	2,367	6,681	2,741
Maine.....	15,358	5,300	43,971	16,024	52,137	15,929
Maryland.....	1,351,906	264,160	12,172	5,325	24,380	24,181
Massachusetts.....	156,952	192,990	53,091	27,174	77,559	48,236
Michigan.....	293,301	302,715	269,063	82,997	333,791	100,596
Minnesota.....	11,399	29,580	17,808	1,079	23,362	3,672
Missouri.....	11,618	12,900	9,388	5,474	12,530	6,359
New Hampshire.....	558,811	441,870	111,500	41,588	182,541	82,626
New York.....	3,160,300	3,623,540	993,242	413,159	1,240,684	631,180
Ohio.....	257,592	613,960	1,323,431	923,519	1,099,218	665,229
Pennsylvania.....	1,188,049	1,429,540	391,242	169,287	474,280	234,753
Vermont.....	7,729,817	4,779,870	469,953	160,918	1,086,933	598,953
Virginia.....	44,976	19,310	6,046	1,677	12,233	3,350
West Virginia.....	140,004	141,530	31,176	14,574	46,568	28,271
Wisconsin.....	27,199	4,180	124,117	6,625	150,628	6,578
All other states.....	49,954	2,340	1,588	471	4,945	743

## SUNDRY MINOR CROPS.

Under this heading are included a variety of crops of comparatively small importance which can not be logically classified under any of the other designations. The individual crops are in no way closely related to one another in use, method of production, or geographic distribution.

Table 58 gives statistics of those minor crops for which the acreage was reported, for the leading states.

## MINOR CROPS—ACREAGE, PRODUCTION, AND VALUE.

Table 58 STATE.	ACREAGE.		PRODUCTION. <sup>1</sup>		VALUE.	
	1909	1899	1909	1899	1909	1899
<b>Broom corn, total.</b> .....	<b>326,102</b>	<b>178,594</b>	<b>78,959,958</b>	<b>90,947,370</b>	<b>\$5,134,434</b>	<b>\$3,588,414</b>
Arkansas.....	332	879	106,576	304,690	8,198	12,588
California.....	1,023	1,669	614,250	1,146,000	32,509	40,506
Colorado.....	5,631	1,241	1,187,791	226,559	71,717	10,577
Illinois.....	38,452	95,137	19,309,425	60,685,520	1,457,172	2,357,095
Indiana.....	233	815	153,259	354,170	13,461	18,285
Iowa.....	156	2,220	75,370	1,178,130	6,670	50,639
Kansas.....	41,064	24,383	8,768,853	11,813,310	593,947	458,481
Kentucky.....	342	839	157,286	384,550	13,641	18,299
Missouri.....	5,339	10,219	1,774,536	3,663,730	115,243	159,968
Nebraska.....	458	6,627	157,146	2,733,290	11,116	106,252
New Mexico.....	4,470	14	644,802	5,800	33,492	290
Ohio.....	170	802	62,292	537,160	9,116	26,317
Oklahoma.....	216,350	112,763	42,741,725	43,565,510	2,559,235	1,136,831
Tennessee.....	1,348	3,444	347,064	1,015,460	27,733	47,252
Texas.....	9,448	3,743	2,368,490	1,638,150	140,533	60,313
Virginia.....	107	1,762	46,018	663,360	3,766	24,558
All other states.....	1,089	2,027	414,987	992,320	37,065	50,262
<b>Hemp, total.</b> .....	<b>7,647</b>	<b>16,994</b>	<b>7,483,295</b>	<b>11,750,630</b>	<b>412,699</b>	<b>546,338</b>
California.....	394	500	600,000	620,000	39,001	45,000
Illinois.....	( <sup>2</sup> )	783	50	515,400	5	21,784
Indiana.....	335	.....	305,467	.....	21,755	.....
Kentucky.....	6,855	14,107	6,420,232	10,303,560	345,386	468,454
Nebraska.....	.....	638	.....	305,400	3,041	10,752
All other states.....	157	14	67,546	6,270	3,553	348
<b>Hops, total.</b> .....	<b>44,693</b>	<b>55,613</b>	<b>40,718,748</b>	<b>49,209,704</b>	<b>7,844,745</b>	<b>4,061,929</b>
California.....	8,391	6,890	11,994,853	10,124,669	1,731,110	925,819
New York.....	12,023	27,532	8,677,138	17,332,340	2,597,981	1,600,305
Oregon.....	21,770	15,433	16,582,562	14,675,577	2,838,860	937,513
Washington.....	2,453	5,296	3,432,514	6,813,850	605,493	589,582
Wisconsin.....	30	342	13,240	165,346	3,041	13,290
All other states.....	46	120	18,301	97,951	2,260	11,190
<b>Chicory, total.</b> .....	<b>1,689</b>	<b>3,069</b>	<b>19,284,000</b>	<b>21,495,870</b>	<b>70,460</b>	<b>73,627</b>
Michigan.....	1,584	2,823	19,204,000	19,876,970	70,020	64,640
All other states.....	5	246	80,000	1,618,900	440	8,987
<b>Chufas, total.</b> .....	<b>1,712</b>	<b>(<sup>2</sup>)</b>	<b>32,261</b>	<b>.....</b>	<b>62,391</b>	<b>16,734</b>
Florida.....	1,072	.....	21,500	.....	43,470	13,521
North Carolina.....	376	.....	6,880	.....	10,529	2,007
All other states.....	264	.....	3,881	.....	8,392	1,206
<b>Ginseng, total.</b> .....	<b>23</b>	<b>(<sup>2</sup>)</b>	<b>.....</b>	<b>.....</b>	<b>151,888</b>	<b>(<sup>2</sup>)</b>
Michigan.....	( <sup>2</sup> )	.....	.....	.....	13,794	.....
Missouri.....	( <sup>2</sup> )	.....	.....	.....	21,868	.....
New York.....	( <sup>2</sup> )	.....	.....	.....	27,138	.....
Ohio.....	( <sup>2</sup> )	.....	.....	.....	16,639	.....
Pennsylvania.....	( <sup>2</sup> )	.....	.....	.....	15,291	.....
Wisconsin.....	16	.....	.....	.....	25,977	.....
All other states.....	7	.....	.....	.....	31,181	.....
<b>Mint, total.</b> .....	<b>8,195</b>	<b>8,591</b>	<b>158,091</b>	<b>187,427</b>	<b>253,000</b>	<b>143,618</b>
Indiana.....	1,814	879	36,621	22,380	58,110	19,557
Michigan.....	6,360	7,698	121,460	164,177	194,391	125,444
All other states.....	21	64	301	870	499	617
<b>Teasels, total.</b> .....	<b>162</b>	<b>(<sup>2</sup>)</b>	<b>78</b>	<b>(<sup>2</sup>)</b>	<b>13,760</b>	<b>(<sup>2</sup>)</b>
New York.....	12	.....	61	.....	10,793	.....
All other states.....	52	.....	17	.....	3,000	.....
<b>Willows, total.</b> .....	<b>661</b>	<b>521</b>	<b>857</b>	<b>.....</b>	<b>44,175</b>	<b>36,523</b>
Maryland.....	159	203	112	.....	16,305	2,836
New York.....	405	366	667	.....	19,038	22,495
All other states.....	97	132	78	.....	8,337	11,190

<sup>1</sup> Expressed in pounds for broom corn, hemp, hops, chicory, and mint; in bushels for chufas; and in tons for teasels and willows.

<sup>2</sup> Includes Indian Territory. <sup>3</sup> Not reported separately.

<sup>4</sup> Reported in small fractions.

**Broom corn.**—The total acreage of broom corn in 1909 was 326,102, an increase of 82.6 per cent over that in 1899. The production, however, was considerably less in the later year than in the earlier, although the value increased by 43.1 per cent, amounting in 1909 to \$5,134,000. About two-thirds of the total acreage in 1909 was in Oklahoma, and most of

the remainder in Kansas and Illinois. The acreage in Illinois was much less in 1909 than in 1899.

**Hemp.**—The production of hemp is mainly confined to Kentucky, which in 1909 reported 6,855 out of the total of 7,647 acres. The acreage was less than half as great in 1909 as in 1899, but the production fell off only 36.3 per cent and the value only 24.5 per cent. The value of the crop in 1909 was \$413,000.

**Hops.**—The acreage of hops in the United States was 44,693 in 1909, or about one-fifth less than in 1899. The production fell off in approximately the same ratio, but the value increased 92.2 per cent, amounting in 1909 to \$7,845,000. Oregon is the leading hop growing state, with nearly half the total acreage in 1909; New York, California, and Washington are the only other states of importance.

**Other crops.**—In the case of none of the other crops covered by the table did the acreage in 1909 amount to 10,000, and only for mint did the value exceed a quarter of a million dollars. With the exception of ginseng, the crops listed are virtually confined to one or two states.

**By-products (Table 59).**—Flax fiber, cornstalks, and straw, which are obtained as by-products incidental to the raising of flaxseed and the various cereal crops, have a considerable value for feeding or other purposes. They are for the most part consumed on the farms producing them, however, and their value is not included with the value of the main crops from which they are derived.

The Census Bureau did not make any attempt to ascertain the total quantity or value of these products, the schedules calling only for the quantity and value of those sold during 1909.

## STRAW AND OTHER BY-PRODUCTS SOLD: 1909.

Table 59 DIVISION.	FLAX FIBER AND STRAW.		OTHER STRAW.		CORNSTALKS.	
	Quantity sold (tons).	Amount received.	Quantity sold (tons).	Amount received.	Quantity sold (tons).	Amount received.
<b>United States.....</b>	<b>21,657</b>	<b>\$90,832</b>	<b>537,699</b>	<b>\$3,189,424</b>	<b>205,685</b>	<b>\$800,850</b>
New England.....	.....	.....	10,346	94,499	5,326	33,347
Middle Atlantic.....	14	178	157,091	1,682,394	27,341	166,236
East North Central.....	1,353	12,290	192,039	699,719	45,790	164,787
West North Central.....	20,217	81,711	79,168	216,188	43,023	103,915
South Atlantic.....	.....	.....	46,659	315,543	24,504	189,507
East South Central.....	2	18	4,489	22,169	6,656	41,514
West South Central.....	29	75	6,684	33,078	50,764	82,601
Mountain.....	2	9	17,255	43,946	1,291	6,264
Pacific.....	40	115	23,968	81,938	890	12,679

A comparatively small quantity of flax fiber and straw was sold by the farmers. The quantity of other straw sold, however, was considerable, the value amounting to \$3,189,000, and the amount received from the sale of cornstalks was \$801,000. The amount of straw and cornstalks sold depends very largely upon whether there are in the vicinity cities, towns, or villages where such materials are needed, inasmuch as those by-products are seldom sold by one farmer to another.

## FRUITS AND NUTS.

The value of fruits and nuts produced in the United States in 1909 amounted to \$222,024,000, or 4 per cent of the total value of farm crops. This value exceeds that reported for 1899, \$133,049,000, by 66.9 per cent. It is impossible to state the quantity of the product as a single total, but the statistics for individual classes show that in general the value increased by a much larger percentage than the production. Of the total value of fruits and nuts in 1909, \$29,974,000 was contributed by small fruits, \$140,867,000 by orchard fruits, \$22,028,000 by grapes, \$22,711,000 by citrus fruits, \$1,995,000 by other tropical and subtropical fruits, and \$4,448,000 by nuts. The value of each of these classes in 1909 was very much greater than in 1899, except in the case of small fruits. The distribution of this value in 1909 among the states is shown by the map on page 417.

**Small fruits** (Tables 60 and 61).—The acreage of small fruits reported in 1909 was 272,460, as compared with 309,770 in 1899, thus showing a decrease of 37,310 acres, or 12 per cent. The total production in 1909, 426,566,000 quarts, was 7.9 per cent less than ten years earlier, when the quantity produced was 463,219,000 quarts, but the value, \$29,974,000, was nearly one-fifth greater, the value of small fruits being \$25,030,000 in 1899. The acreage in 1909 represented 0.1 per cent of the total improved farm acreage of the country, and the value 0.5 per cent of the total value of farm crops. The production of small fruits taken as a group is widely distributed through the country. In acreage the East North Central division ranked first in 1909, the Middle Atlantic second, and the South Atlantic third, but in value the Middle Atlantic division outranked all others.

## SMALL FRUITS—ACREAGE, PRODUCTION, AND VALUE, BY DIVISIONS.

Table 60	ALL SMALL FRUITS.										STRAWBERRIES.					BLACKBERRIES AND DEWBERRIES.				
	DIVISION.	Acreage.		Production (quarts).		Value.		Acreage.		Production (quarts): 1909	Value: 1909	Acreage.		Production (quarts): 1909	Value: 1909					
		1909	1899	1909	1899	1909	1899	1909	1899											
United States.....	272,460	309,770	426,565,863	463,218,612	\$29,974,481	\$25,029,757	143,045	151,363	255,702,035	\$17,913,926	49,004	50,211	55,343,570	\$3,809,831						
New England.....	13,777	13,677	37,631,006	34,456,696	2,469,094	2,183,009	4,432	4,203	741,582	1,068,887	844	595	844,595	80,006						
Middle Atlantic.....	55,243	62,672	90,300,863	87,975,716	6,004,636	5,213,239	19,202	21,724	43,747,240	2,875,672	7,518	8,697	9,029,897	615,473						
East North Central.....	56,957	62,616	73,745,968	73,580,655	5,813,117	6,039,483	23,604	35,545	39,698,906	3,037,873	10,655	16,417	10,437,862	812,555						
West North Central.....	35,587	34,810	46,275,534	45,374,254	3,921,982	2,797,864	16,433	13,873	26,308,530	2,152,142	11,516	8,524	12,311,390	970,774						
South Atlantic.....	45,403	49,403	72,300,168	73,785,565	4,122,407	3,505,119	37,280	37,847	63,124,937	3,565,529	5,423	6,525	6,463,811	343,333						
East South Central.....	18,994	21,380	22,182,689	26,751,730	1,553,767	1,223,600	14,253	17,666	17,648,063	1,257,412	3,766	1,945	3,580,336	210,933						
West South Central.....	19,417	17,519	23,878,888	22,639,210	1,771,332	1,174,029	13,917	12,993	19,701,936	1,440,466	5,106	3,855	3,836,925	300,524						
Mountain.....	6,765	5,127	10,587,207	7,927,305	946,263	613,663	3,115	2,034	5,030,445	441,586	554	388	723,167	73,640						
Pacific.....	20,317	12,596	49,663,540	26,634,481	3,371,823	1,624,689	10,809	5,478	28,700,140	2,074,359	3,776	3,065	8,155,047	502,543						

DIVISION.	RASPBERRIES AND LOGANBERRIES.				CURRANTS.				GOOSEBERRIES.				ALL OTHER SMALL FRUITS. <sup>1</sup>			
	Acreage.		Production (quarts): 1909	Value: 1909	Acreage.		Production (quarts): 1909	Value: 1909	Acreage.		Production (quarts): 1909	Value: 1909	Acreage.		Production (quarts): 1909	Value: 1909
	1909	1899			1909	1899			1909	1899			1909	1899		
United States.....	48,668	60,916	60,918,196	\$5,132,277	7,862	12,885	10,448,532	\$790,431	4,765	6,752	5,282,843	\$417,034	19,116	27,663	38,870,687	\$1,810,982
New England.....	1,003	1,139	1,119,007	149,646	489	476	483,291	45,781	129	79	154,233	14,029	7,034	6,955	23,328,051	1,110,745
Middle Atlantic.....	15,385	18,554	19,802,119	1,618,978	3,239	3,468	4,637,483	318,963	553	559	601,576	48,645	9,330	9,670	12,422,548	526,875
East North Central.....	16,976	24,790	16,835,570	1,565,474	1,083	4,935	2,060,722	167,959	1,482	2,383	1,629,680	126,007	2,557	5,546	2,297,218	163,249
West North Central.....	5,403	7,389	5,634,788	607,053	934	1,839	900,002	88,174	1,232	2,039	1,085,304	100,581	69	1,126	34,971	3,258
South Atlantic.....	2,263	3,867	2,218,296	179,090	80	207	89,965	8,307	130	411	379,639	24,797	47	546	23,520	1,411
East South Central.....	833	1,288	799,212	73,456	16	32	19,785	1,806	126	216	134,815	10,071	(P)	233	468	39
West South Central.....	313	491	268,806	22,359	46	20	39,008	4,445	35	40	31,480	2,378	(P)	120	634	60
Mountain.....	1,820	1,307	3,194,610	297,722	752	757	1,028,078	85,488	524	458	610,323	47,762	(P)	183	584	65
Pacific.....	4,662	2,091	10,985,785	677,899	623	1,131	1,164,097	69,478	574	547	595,778	42,264	73	284	62,693	5,250

<sup>1</sup> Includes cranberries and all other unclassified small fruits.<sup>2</sup> Reported in small fractions.

Strawberries are the most important of the small fruits, representing in 1909 over half of the total acreage and about three-fourths of the total value. The acreage of raspberries and loganberries in 1909 was slightly less than that of blackberries and dewberries, but the production and value were considerably greater. The production of strawberries and blackberries is very widely distributed through the country, but that of raspberries, currants, and gooseberries is mainly confined to the North and West, and that of cranberries is almost wholly confined to Massachusetts, New Jersey, and Wisconsin.

The acreage of each of the separate classes of small fruits covered by the table was less in 1909 than in 1899; and the production was likewise less except in the case of cranberries for which 38,243,000 quarts were reported in 1909. In 1899 the production of strawberries was 257,427,000 quarts, that of blackberries and dewberries 62,190,000 quarts, that of raspberries and loganberries 76,628,000 quarts, that of currants 18,593,000 quarts, that of gooseberries 9,321,000 quarts, and that of cranberries 31,601,000 quarts. The value of the separate kinds of small fruits was not called for by the agricultural schedule at the Twelfth Census.

## SMALL FRUITS—ACREAGE, PRODUCTION, AND VALUE, BY STATES.

Table 61	ALL SMALL FRUITS.						ACREAGE: 1909							
	STATE.	Acreage.		Production (quarts).		Value.		Strawberries.	Blackberries and dewberries.	Raspberries and loganberries.	Currants.	Gooseberries.	Cranberries.	All other small fruits.
		1909	1899	1909	1899	1909	1899							
United States	272,460	309,770	426,565,863	463,218,612	\$29,974,481	\$25,029,757	143,495	49,004	48,668	7,862	4,765	18,431	685	
NEW ENGLAND:														
Maine	1,260	1,585	2,285,415	1,754,688	233,124	157,679	698	145	127	80	59	151	(1)	
New Hampshire	618	730	998,244	1,261,176	107,365	116,830	310	67	85	42	5	109	(1)	
Vermont	469	418	826,122	930,259	92,030	85,121	276	47	80	58	6	1	(1)	
Massachusetts	9,552	8,346	29,261,143	25,882,372	1,676,790	1,494,714	2,015	287	388	243	42	6,577	(1)	
Rhode Island	281	581	437,560	789,698	43,033	51,292	140	16	34	12	8	70	1	
Connecticut	1,597	1,987	3,823,522	3,838,502	316,732	278,373	993	128	289	54	9	123	1	
MIDDLE ATLANTIC:														
New York	22,496	25,051	37,827,829	40,375,854	2,875,495	2,538,363	6,382	1,951	11,057	2,557	259	277	13	
New Jersey	24,069	25,330	38,822,987	28,339,302	1,954,125	1,406,049	8,684	4,332	1,744	124	155	9,030	(4)	
Pennsylvania	8,678	12,271	13,620,047	19,260,569	1,175,016	1,268,827	4,136	1,235	2,594	558	139	4	12	
EAST NORTH CENTRAL:														
Ohio	11,591	21,121	15,721,023	33,736,030	1,296,343	1,767,357	4,706	2,425	3,869	359	226	3	3	
Indiana	5,919	13,115	7,424,831	22,088,305	612,725	1,113,527	2,574	1,347	1,412	165	274	4	143	
Illinois	11,723	16,794	12,662,676	26,129,216	1,109,774	1,293,233	5,410	3,503	1,945	282	603	10	(1)	
Michigan	21,419	29,167	27,214,659	40,168,178	2,028,865	1,680,249	8,051	2,973	8,786	609	297	202	501	
Wisconsin	6,305	12,389	9,782,779	15,459,026	765,437	835,119	2,893	407	964	298	82	1,689	2	
WEST NORTH CENTRAL:														
Minnesota	3,738	3,002	4,476,575	4,542,640	493,406	339,569	1,873	145	1,888	200	71	61	(1)	
Iowa	9,635	10,344	10,344,052	11,327,132	966,894	878,447	2,917	2,279	1,573	233	189	(1)	(1)	
Missouri	17,009	14,860	23,606,221	21,484,920	1,761,499	1,050,811	9,048	5,975	1,331	92	555	8	(1)	
North Dakota	399	67	285,696	70,152	39,641	7,785	88	2	85	138	86	(1)	(1)	
South Dakota	419	161	401,235	165,744	47,293	16,629	226	5	66	67	55	(1)	(1)	
Nebraska	1,411	1,171	1,594,421	1,211,630	159,169	98,159	562	428	247	86	88	(1)	(1)	
Kansas	5,400	5,824	5,477,274	6,572,036	454,200	406,461	1,719	2,682	713	98	138	(1)	(1)	
SOUTH ATLANTIC:														
Delaware	8,687	10,599	14,425,209	13,670,389	649,732	461,621	7,194	1,256	223	3	11	(1)	(1)	
Maryland	16,595	17,522	26,277,054	27,937,590	1,227,548	1,181,054	14,292	1,180	846	36	241	(1)	(1)	
District of Columbia	12	82	24,109	126,332	1,875	7,855	11	(1)	(1)	1	(1)	(1)	(1)	
Virginia	7,295	8,796	11,342,980	13,473,920	671,843	765,067	6,606	344	276	5	22	40	2	
West Virginia	2,913	1,994	2,336,576	2,888,670	197,302	149,505	709	192	847	30	30	76	(1)	
North Carolina	6,701	6,837	12,827,427	11,934,060	853,076	599,963	5,420	1,233	40	3	5	(1)	(1)	
South Carolina	856	591	1,408,669	959,305	113,254	59,486	815	38	2	1	(1)	(1)	(1)	
Georgia	1,988	1,634	1,262,155	1,597,928	111,754	90,785	890	67	29	1	1	(1)	(1)	
Florida	1,356	1,548	2,396,573	1,770,990	302,383	189,807	1,343	13	(1)	(1)	(1)	(1)	(1)	
EAST SOUTH CENTRAL:														
Kentucky	4,387	6,126	4,972,702	8,862,590	357,597	435,462	1,553	2,141	564	14	115	(1)	(1)	
Tennessee	12,539	12,944	13,865,493	15,300,120	923,613	593,092	10,761	1,514	253	2	9	(1)	(1)	
Alabama	1,232	1,094	1,907,193	953,570	165,388	54,967	1,167	133	11	1	(1)	(1)	(1)	
Mississippi	836	1,549	1,467,301	1,735,480	107,171	141,009	772	58	5	(1)	1	(1)	(1)	
WEST SOUTH CENTRAL:														
Arkansas	8,032	10,819	8,965,572	14,067,990	601,722	604,323	7,361	525	123	4	19	(1)	(1)	
Louisiana	3,587	1,498	6,420,207	1,856,510	486,888	172,863	3,576	16	7	(1)	(1)	(1)	(1)	
Oklahoma	2,745	11,388	2,310,367	21,475,790	202,291	292,223	825	1,792	55	36	7	(1)	(1)	
Texas	5,053	3,594	6,182,742	5,208,920	480,331	304,680	2,161	2,773	104	6	9	(1)	(1)	
MOUNTAIN:														
Montana	562	554	766,791	1,033,885	86,586	79,891	265	34	113	115	35	(1)	(1)	
Idaho	1,673	957	2,071,141	1,246,110	201,525	95,115	698	170	496	167	142	(1)	(1)	
Wyoming	106	37	66,883	37,330	13,984	4,964	24	(1)	14	14	27	(1)	(1)	
Colorado	2,829	2,347	4,294,988	3,649,230	398,836	294,385	1,326	228	801	282	192	(1)	(1)	
New Mexico	66	48	76,532	59,690	9,335	5,708	29	10	12	7	17	(1)	(1)	
Arizona	76	79	112,190	129,470	12,987	12,265	58	16	1	1	(1)	(1)	(1)	
Utah	1,416	1,052	3,118,395	1,694,730	217,327	117,489	719	95	374	128	100	(1)	(1)	
Nevada	37	53	50,287	76,860	5,683	8,786	5	1	9	11	11	(1)	(1)	
PACIFIC:														
Washington	5,508	2,845	13,490,930	5,406,996	941,415	326,646	3,283	769	1,210	127	114	5	(1)	
Oregon	5,122	3,470	9,348,490	6,645,534	641,194	386,632	2,941	431	1,460	89	186	14	1	
California	9,687	6,281	26,824,120	14,581,951	1,789,214	911,411	4,535	2,576	1,992	407	74	33	(1)	

¹ Reported in small fractions.

² Includes Indian Territory.

**Orchard fruits (Table 62).—**Neither in 1910 nor in 1900 did the census schedules call for the acreage of orchard fruits, but at both censuses the number of trees of bearing age was called for, and at the later census also the number not of bearing age. In the report of the census of 1900, however, the belief was expressed that some trees not of bearing age were reported by the enumerators as of bearing age. This doubtless accounts wholly or in part for the decrease in the reported number of trees of bearing age for all classes of orchard fruits combined, from 369,377,000 in 1900 to 301,117,000 in 1910. Decreases also appear in the totals for the United States for every kind of orchard fruit which was reported separately. The number of trees which were not of bearing age in 1910 was 130,973,000. The total production of orchard fruits in 1909 was 216,084,000 bushels, or only slightly more than in 1899, but all the kinds of fruit except apples, in which there was a decrease, show high percentages

of increase. The value of all orchard fruits in 1909, however, \$140,867,000, was 68.2 per cent greater than the value in 1899, and represented 2.6 per cent of the total value of farm crops.

The production of orchard fruits as a group is very widely distributed throughout the country. As measured by number of trees of bearing age in 1910, the East North Central was the leading division, followed by the West North Central and the South Atlantic; but as determined by value of fruit produced in 1909 the ranking is quite different, the Middle Atlantic division standing first, the Pacific division second, and the East North Central third. The leading states in the value of fruit produced are California and New York.

Apples are much the most important of the orchard fruits, their value in 1909 being 59.1 per cent of the total. Peaches and nectarines rank next, with 20.4 per cent of the total, followed by plums and prunes, pears, cherries, and apricots and quinces in the order named.

Definite conclusions as to the relative importance of different states can not always be drawn from the number of trees of bearing age, since the trees in some states are much more prolific than in others, nor does the production of any given year furnish an altogether satisfactory index, since weather conditions may be favorable in one part of the country and unfavorable in another.

## ORCHARD FRUITS—TREES, PRODUCTION, AND VALUE.

Table 62 DIVISION OR STATE.	Trees of bearing age 1910	Trees not of bearing age 1910	PRODUCTION (BUSHELS).		VALUE.	
			1909	1909	1909	1899 <sup>1</sup>
U. S. ....	301,117,277	130,973,352	216,083,895	212,365,600	\$140,867,347	\$83,750,961
Geog. Divs.						
New Eng.	9,505,622	2,904,978	11,235,537	12,006,412	7,327,873	4,329,590
Mid. Atl.	33,977,615	15,475,107	45,114,076	57,577,644	28,641,924	21,113,717
E. N. C.	55,722,972	21,645,202	73,927,577	90,709,428	44,360,502	37,029,503
W. N. C.	52,805,414	15,211,750	25,513,920	15,403,365	14,763,345	7,347,031
S. Atl.	45,951,571	17,881,177	25,544,335	29,550,477	16,706,294	8,581,087
E. S. C.	25,275,833	10,443,210	20,043,253	13,444,523	11,110,041	4,340,252
W. S. C.	38,179,135	18,022,455	7,053,045	6,644,017	3,329,866	2,345,499
Mountain	7,685,221	9,718,919	7,478,005	1,646,677	7,648,546	1,371,803
Pacific <sup>1</sup>	32,013,819	10,670,545	40,109,421	25,393,055	25,972,806	16,432,288
New Eng.:						
Me.	3,586,452	1,090,768	3,094,251	1,438,919	2,207,748	833,634
N. H.	1,308,367	271,153	1,165,044	2,017,880	719,727	707,729
Vt.	1,306,700	252,941	1,492,496	1,191,429	801,365	450,429
R. I.	1,098,230	591,798	2,768,079	3,158,781	2,074,270	1,170,838
Conn.	215,798	94,564	245,822	300,298	197,639	155,571
Mid. Atl.:						
N. Y.	17,625,093	7,363,614	29,456,291	26,172,310	17,988,804	10,542,272
N. J.	3,165,749	2,190,236	2,372,358	6,108,490	1,975,043	2,594,981
Pa.	13,870,773	5,921,257	13,285,965	25,236,854	6,877,986	7,976,464
E. N. C.:						
Ohio	14,933,813	5,603,742	6,711,208	21,399,473	5,691,530	6,141,118
Ind.	10,600,759	3,787,631	4,713,537	9,304,482	3,769,275	3,106,338
Ill.	15,033,743	3,919,267	4,939,211	9,745,211	3,837,743	3,778,811
Mo.	12,842,837	6,679,949	15,239,104	9,859,862	9,029,842	3,675,845
Wis.	2,861,830	1,654,616	2,345,517	3,600,000	2,087,062	267,291
W. N. C.:						
Minn.	1,644,500	1,787,107	1,066,659	143,655	801,112	109,650
Iowa	3,501,774	1,200,378	3,456,422	4,283,873	3,849,701	2,091,186
Mo.	25,128,107	5,748,158	11,957,399	6,805,501	6,582,578	2,944,175
N. Dak.	40,296	128,037	5,685	1,647	9,088	1,061
S. Dak.	599,580	721,924	229,907	26,401	209,339	29,568
Neb.	5,064,984	1,750,584	3,572,253	1,456,652	1,302,124	1,084,751
Kans.	13,222,464	2,273,397	1,417,849	2,513,686	944,631	1,728,659
S. Atl.:						
Del.	2,102,313	575,897	309,274	884,797	195,766	263,127
Pa.	3,501,774	1,671,435	2,577,359	3,710,666	1,517,400	1,266,467
D. C.	3,583	74	3,655	1,002	3,160	773
Va.	9,609,799	4,631,587	6,581,101	10,497,401	3,582,559	2,662,483
W. Va.	7,160,884	4,589,587	4,709,959	7,642,193	3,040,192	2,155,599
Ariz.	8,152,464	2,971,879	3,240,201	5,124,595	3,948,634	2,982,888
S. C.	2,169,996	723,892	1,132,668	432,173	956,376	272,794
Ge.	13,179,852	2,517,378	3,670,830	1,028,833	2,930,793	497,847
Fla.	451,416	199,448	238,188	228,453	212,203	192,893
E. S. C.:						
Ky.	8,722,441	3,595,244	9,447,558	6,286,174	4,506,590	1,943,645
Tenn.	8,959,070	3,734,080	6,484,550	5,599,088	3,459,077	1,479,915
Ala.	5,039,618	1,759,888	2,475,940	947,736	1,818,508	476,574
Miss.	2,554,756	1,353,998	1,034,305	610,927	1,355,596	404,118
W. S. C.:						
Ark.	15,531,761	7,258,166	4,437,917	3,359,865	3,011,377	1,252,203
La.	1,206,920	466,825	392,607	283,087	314,027	225,476
Tex.	8,880,445	1,607,302	1,137,282	948,464	1,070,931	592,858
Cal.	12,500,032	4,961,072	1,090,233	2,359,731	1,000,998	1,345,423
Mountain:						
Mont.	749,104	1,363,798	591,088	45,192	609,073	59,414
Idaho	1,131,380	2,056,305	924,003	452,000	805,616	305,224
Wyo.	33,497	97,013	18,886	1,145	39,774	1,430
Colo.	2,947,920	3,151,784	4,565,849	354,049	4,651,792	378,119
N. Mex.	803,068	1,282,211	504,659	267,835	519,677	197,331
Ariz.	182,940	116,988	153,881	115,306	245,441	110,764
Utah	1,385,681	1,641,755	633,739	397,363	640,904	263,098
Nev.	94,222	29,002	86,576	15,287	82,665	10,433
Pacific:						
Wash.	4,944,889	6,951,251	4,244,670	1,180,337	4,274,124	999,487
Oreg.	4,583,783	3,209,232	4,423,244	1,522,002	3,339,845	906,015
Cal.	22,485,195	8,410,062	31,501,507	22,000,096	18,358,897	14,526,786

<sup>1</sup> Includes value of dried fruits, cider, vinegar, etc.

<sup>2</sup> Includes Indian Territory.

Apples (Table 63).—The number of apple trees of bearing age in 1910 was 151,323,000, and there were 65,792,000 trees not of bearing age. The production in 1909 was 147,522,000 bushels, as compared with 175,398,000 bushels in 1908, a decrease of 15.9 per cent. The value of the apple crop in 1909 was

\$83,231,000 or 1.5 per cent of the total value of all crops. Values were not reported for individual kinds of fruit in 1899.

While apple production is widely distributed, the leading geographic divisions are the Middle Atlantic, East North Central, and West North Central. There is, however, a marked development in the western sections of the country, which in part explains the fact that in 1910 the ratio of the number of trees not of bearing age to the number of bearing age was much higher in the West South Central, Mountain, and Pacific divisions than in any of the more easterly divisions except the South Atlantic.

## APPLES—TREES, PRODUCTION, AND VALUE.

Table 63 DIVISION OR STATE.	Trees of bearing age 1910	Trees not of bearing age 1910	PRODUCTION (bushels).		VALUE.	
			1909	1909	1909	1899 <sup>1</sup>
United States .....	151,322,840	65,791,848	147,522,318	\$83,231,492	175,397,600	
Geographic Divisions:						
New England:	8,219,152	2,094,542	10,508,457	6,272,720	11,649,204	
Middle Atlantic:	20,302,283	5,849,449	37,864,532	19,856,752	52,812,804	
East North Central:	34,104,909	10,610,319	25,080,615	14,669,269	52,810,850	
West North Central:	31,744,127	9,724,950	22,633,470	11,792,016	14,322,739	
South Atlantic:	20,073,112	10,964,818	18,375,485	9,461,189	26,772,835	
East South Central:	12,273,277	5,386,555	13,163,180	6,673,710	12,409,702	
West South Central:	11,018,069	7,224,569	3,240,108	2,085,200	3,805,702	
Mountain:	4,614,667	6,679,166	5,718,372	5,536,185	682,598	
Pacific:	7,222,012	8,157,445	10,938,096	7,484,367	5,094,166	
New England:						
Maine:	3,476,616	1,045,123	3,636,181	2,121,816	2,421,773	
New Hampshire:	1,240,885	267,269	1,108,424	637,990	1,978,797	
Vermont:	1,183,529	219,833	1,459,639	752,337	1,176,822	
Massachusetts:	1,367,379	358,868	2,550,259	1,790,220	3,023,436	
Rhode Island:	152,009	54,560	212,808	147,285	3,708,801	
Connecticut:	798,734	211,839	1,540,996	835,168	3,023,436	
Middle Atlantic:						
New York:	11,248,203	2,828,515	25,409,324	13,343,028	24,111,257	
New Jersey:	1,053,450	519,749	1,406,778	856,108	1,660,890	
Pennsylvania:	8,000,546	2,501,186	11,048,430	5,537,616	24,060,651	
East North Central:						
Ohio:	8,504,886	2,438,246	4,663,732	2,970,851	20,617,480	
Indiana:	5,764,821	1,941,974	3,759,124	2,730,915	5,392,278	
Illinois:	9,960,027	2,548,387	3,063,321	2,111,866	9,175,110	
Michigan:	7,534,343	2,253,072	12,332,296	5,969,080	8,931,659	
Wisconsin:	2,240,232	1,408,726	2,232,112	1,896,681	3,003,373	
West North Central:						
Minnesota:	1,850,396	1,571,816	1,044,156	769,114	129,183	
Iowa:	5,847,034	1,914,325	6,746,668	3,550,729	1,280,862	
Missouri:	14,359,673	3,024,833	9,968,977	4,885,544	6,496,436	
North Dakota:	15,941	70,023	4,574	7,270	1,273	
South Dakota:	274,862	460,547	191,758	138,729	17,121	
Nebraska:	2,937,178	967,133	3,321,973	1,612,765	1,343,497	
Kansas:	6,929,673	1,116,316	1,356,438	807,865	3,214,407	
South Atlantic:						
Delaware:	429,753	263,813	183,094	115,371	702,920	
Maryland:	1,288,482	660,685	1,822,824	902,077	1,500,673	
District of Columbia:	1,654	29	2,932	2,162	283	
Virginia:	4,700,948	3,435,596	6,103,941	3,129,825	8,325,978	
West Virginia:	7,504,589	2,772,025	4,225,163	2,461,074	7,435,743	
North Carolina:	4,910,171	1,835,337	4,775,693	2,014,670	4,662,751	
South Carolina:	581,767	269,004	362,800	276,410	211,728	
Georgia:	1,878,299	822,327	885,613	553,744	670,880	
Florida:	8,180	5,968	3,405	8,849	1,866	
East South Central:						
Kentucky:	5,538,267	2,106,297	7,368,499	3,096,776	6,033,717	
Tennessee:	4,838,322	2,117,240	6,640,134	3,720,475	5,392,278	
Alabama:	1,408,436	737,689	888,396	630,745	719,175	
Mississippi:	427,652	425,323	265,841	213,714	249,015	
West South Central:						
Arkansas:	2,955,103	3,940,089	2,296,043	1,322,785	2,811,182	
Louisiana:	93,304	96,544	33,875	28,744	68,735	
Oklahoma:	7,600,182	2,060,384	742,182	573,076	1,333,800	
Texas:	1,138,582	1,127,573	168,008	160,655	591,985	
Mountain:						
Montana:	696,753	1,308,066	567,054	566,938	43,939	
Idaho:	1,005,968	1,539,986	659,959	610,504	223,662	
Wyoming:	27,773	84,024	17,836	37,580	893	
Colorado:	1,688,425	1,972,914	3,559,094	3,405,442	257,564	
New Mexico:	542,528	914,254	417,143	420,536	142,332	
Arizona:	62,027	53,884	72,814	109,395	13,471	
Utah:	517,609	789,200	330,023	319,691	189,882	
Nevada:	74,454	16,868	74,445	66,097	10,750	
Pacific:						
Washington:	3,009,337	4,802,702	2,672,100	2,925,761	728,978	
Oregon:	2,029,913	2,240,636	1,930,926	1,656,944	873,980	
California:	2,482,762	1,654,101	6,555,073	2,901,662	3,488,208	

<sup>1</sup> Includes Indian Territory.

Peaches and nectarines (Table 64).—The number of peach and nectarine trees of bearing age April 15, 1910, was 94,507,000, and the number not of bearing age 42,266,000. The value of peaches and nectarines produced in 1909 was \$28,781,000. The production is very widely distributed. In number of trees of bearing age in 1910 the West South Central division ranked first and the South Atlantic division second; but in the production of 1909 the Pacific division (in which nearly the entire production is in California) decidedly out-ranked all others, with the East South Central division second and the South Atlantic third.

PEACHES AND NECTARINES—TREES, PRODUCTION, AND VALUE.

Table 64	1910		1909		1899
	Trees of bearing age.	Trees not of bearing age.	Production (bushels).	Value.	Production (bushels).
<b>United States</b> .....	<b>94,506,657</b>	<b>42,266,243</b>	<b>35,470,276</b>	<b>\$28,781,078</b>	<b>15,432,603</b>
<b>GEOGRAPHIC DIVISIONS:</b>					
New England.....	723,810	572,327	406,903	632,411	104,737
Middle Atlantic.....	6,056,690	5,759,245	3,201,493	4,018,064	1,231,242
East North Central.....	11,035,119	6,972,373	5,120,841	5,172,957	716,670
West North Central.....	13,265,526	2,582,028	1,643,257	1,250,944	212,932
South Atlantic.....	20,583,451	6,137,961	5,571,628	4,888,459	1,412,471
East South Central.....	10,312,768	3,805,232	5,775,799	4,068,776	349,226
West South Central.....	22,284,966	8,794,525	5,279,545	2,761,044	2,102,353
Mountain.....	1,605,285	1,696,111	840,161	1,071,446	267,395
Pacific.....	8,639,048	5,945,882	9,530,642	4,887,007	8,745,607
<b>NEW ENGLAND:</b>					
Maine.....	5,102	3,320	2,014	3,205	1,835
New Hampshire.....	57,571	35,213	23,218	37,884	6,054
Vermont.....	5,492	2,187	2,221	4,399	967
Massachusetts.....	159,532	162,114	91,755	138,716	27,006
Rhode Island.....	39,342	30,795	17,704	30,609	6,140
Connecticut.....	461,711	338,608	269,990	417,398	61,775
<b>MIDDLE ATLANTIC:</b>					
New York.....	2,457,187	2,216,907	1,736,483	2,014,088	466,850
New Jersey.....	1,216,476	1,303,632	411,440	652,771	620,928
Pennsylvania.....	2,383,027	2,179,386	1,063,370	1,351,175	143,404
<b>EAST NORTH CENTRAL:</b>					
Ohio.....	3,133,368	2,002,500	1,036,304	1,349,311	240,686
Indiana.....	2,130,288	1,145,479	1,174,389	1,123,248	69,333
Illinois.....	2,860,120	739,358	1,222,570	969,516	66,805
Michigan.....	2,907,170	2,991,090	1,686,594	1,700,330	339,637
Wisconsin.....	4,163	4,148	566	552	209
<b>WEST NORTH CENTRAL:</b>					
Minnesota.....	1,571	3,837	569	659	190
Iowa.....	1,090,749	283,308	23,184	24,950	5,481
Missouri.....	6,588,094	1,464,429	1,484,518	1,110,553	61,006
North Dakota.....	90	604	35	71	.....
South Dakota.....	1,815	529	148	167	13
Nebraska.....	1,188,373	263,882	110,180	91,129	8,753
Kansas.....	4,394,894	630,769	24,567	25,418	137,489
<b>SOUTH ATLANTIC:</b>					
Delaware.....	1,177,402	212,117	16,722	21,402	9,750
Maryland.....	1,497,724	805,663	324,609	361,617	172,303
District of Columbia.....	339	1	3	3	.....
Virginia.....	1,585,595	740,551	243,446	227,141	357,339
West Virginia.....	1,424,582	1,441,188	328,901	368,584	18,100
North Carolina.....	2,661,791	801,642	1,344,410	1,041,767	373,663
South Carolina.....	1,336,142	349,740	645,044	537,303	129,472
Georgia.....	10,609,119	1,531,367	2,555,469	1,822,613	258,728
Florida.....	209,850	156,782	114,998	128,029	92,113
<b>EAST SOUTH CENTRAL:</b>					
Kentucky.....	2,245,402	1,110,744	1,623,379	1,062,138	34,700
Tennessee.....	3,163,737	1,190,727	1,579,019	1,055,379	77,673
Alabama.....	3,177,331	838,866	1,416,584	1,055,971	184,543
Mississippi.....	1,726,289	724,895	1,156,817	925,288	252,305
<b>WEST SOUTH CENTRAL:</b>					
Arkansas.....	6,859,962	2,884,927	1,901,647	1,502,996	333,642
Louisiana.....	903,352	346,132	290,623	228,084	153,808
Oklahoma.....	4,783,825	2,574,680	537,644	536,315	1,304,063
Texas.....	9,737,827	2,958,813	729,631	705,649	1,400,240
<b>MOUNTAIN:</b>					
Montana.....	538	3,340	128	235	17
Idaho.....	73,086	212,965	18,734	26,149	17,793
Wyoming.....	46	419	5	30	.....
Colorado.....	793,372	601,601	692,258	764,561	47,881
New Mexico.....	136,191	184,466	32,533	37,195	76,204
Arizona.....	51,413	32,562	30,102	80,325	33,662
Utah.....	544,314	651,523	143,297	136,451	85,315
Nevada.....	6,329	5,049	3,171	4,500	2,563
<b>PACIFIC:</b>					
Washington.....	536,875	1,028,111	84,194	118,911	80,960
Oregon.....	273,162	598,179	129,030	194,314	101,140
California.....	7,829,011	4,409,562	9,267,118	4,573,775	8,363,427

<sup>1</sup> Includes Indian Territory.

Pears (Table 65).—The number of pear trees reported as of bearing age in 1910 was 15,172,000, and there were 8,804,000 trees not of bearing age. The production increased from 6,625,000 bushels in 1899 to 8,841,000 bushels in 1909, or 33.4 per cent. The value of the crop in 1909 was \$7,911,000. In number of trees of bearing age in 1910, the Middle Atlantic and East North Central divisions ranked far above the others, but in the production for 1909 the Pacific division stood first. California and New York together produced about three-eighths of the total pear crop. Only one other state, Michigan, reported the production of more than 500,000 bushels of pears.

PEARS—TREES, PRODUCTION, AND VALUE.

Table 65	1910		1909		1899
	Trees of bearing age.	Trees not of bearing age.	Production (bushels).	Value.	Production (bushels).
<b>United States</b> .....	<b>15,171,524</b>	<b>8,803,855</b>	<b>8,840,733</b>	<b>\$7,911,600</b>	<b>6,625,417</b>
<b>GEOGRAPHIC DIVISIONS:</b>					
New England.....	296,874	97,650	233,845	258,816	183,728
Middle Atlantic.....	3,670,094	2,123,242	2,183,204	2,029,040	2,185,165
East North Central.....	3,560,081	1,441,561	1,623,176	1,331,712	782,255
West North Central.....	1,154,428	580,140	213,678	239,838	86,804
South Atlantic.....	2,325,714	880,461	975,162	680,275	745,204
East South Central.....	831,618	506,959	536,422	450,402	180,128
West South Central.....	1,045,143	996,230	191,718	192,736	225,385
Mountain.....	312,449	417,182	268,205	371,306	133,512
Pacific.....	1,975,123	1,811,516	2,613,523	2,356,835	2,103,286
<b>NEW ENGLAND:</b>					
Maine.....	46,683	13,013	38,964	43,524	11,200
New Hampshire.....	36,816	9,997	24,224	25,206	19,341
Vermont.....	26,315	7,726	20,763	23,788	10,239
Massachusetts.....	113,306	28,375	96,071	110,069	80,011
Rhode Island.....	16,907	5,405	12,501	14,577	12,452
Connecticut.....	56,788	23,731	41,322	41,652	41,485
<b>MIDDLE ATLANTIC:</b>					
New York.....	2,441,596	1,502,661	1,343,089	1,418,218	960,170
New Jersey.....	731,616	630,401	463,290	254,822	790,818
Pennsylvania.....	796,832	382,180	378,825	356,240	434,177
<b>EAST NORTH CENTRAL:</b>					
Ohio.....	899,019	339,739	374,871	332,727	244,565
Indiana.....	785,733	229,548	319,925	243,698	231,713
Illinois.....	708,249	234,037	249,365	202,965	133,745
Michigan.....	1,136,151	623,931	666,623	535,771	170,702
Wisconsin.....	29,841	20,230	12,992	16,551	1,540
<b>WEST NORTH CENTRAL:</b>					
Minnesota.....	2,792	4,135	400	465	226
Iowa.....	191,125	122,262	44,449	58,777	5,014
Missouri.....	606,973	272,212	142,547	148,780	58,449
North Dakota.....	24	327	8	15	1
South Dakota.....	1,844	5,087	162	447	157
Nebraska.....	59,285	51,473	6,700	9,802	979
Kansas.....	292,383	182,619	19,412	21,543	21,978
<b>SOUTH ATLANTIC:</b>					
Delaware.....	449,692	90,917	105,357	52,022	156,208
Maryland.....	504,583	138,152	367,299	168,561	301,702
District of Columbia.....	1,046	32	435	412	468
Virginia.....	457,177	255,083	74,486	63,424	88,400
West Virginia.....	154,908	102,826	29,916	32,101	19,475
North Carolina.....	243,367	150,365	84,019	81,847	25,521
South Carolina.....	165,234	54,773	67,682	20,442	.....
Georgia.....	2,622,982	69,534	149,667	134,604	49,497
Florida.....	110,709	18,817	98,223	80,119	83,584
<b>EAST SOUTH CENTRAL:</b>					
Kentucky.....	337,335	131,905	251,536	187,951	76,940
Tennessee.....	233,407	174,675	83,557	78,448	45,609
Alabama.....	142,300	99,170	100,041	86,866	22,656
Mississippi.....	118,556	101,209	101,388	96,777	36,923
<b>WEST SOUTH CENTRAL:</b>					
Arkansas.....	221,764	196,753	37,547	38,140	24,503
Louisiana.....	57,630	38,242	35,534	31,049	29,405
Oklahoma.....	207,221	252,336	7,450	9,248	14,939
Texas.....	558,478	448,899	110,967	114,279	166,418
<b>MOUNTAIN:</b>					
Montana.....	10,297	12,806	7,543	12,008	24
Idaho.....	65,113	76,937	42,649	49,045	25,324
Wyoming.....	128	901	16	65	.....
Colorado.....	99,939	171,367	132,536	210,635	19,272
New Mexico.....	37,220	100,201	29,435	29,688	14,777
Arizona.....	16,351	12,852	13,289	21,531	15,187
Utah.....	79,355	39,901	38,654	44,365	39,982
Nevada.....	3,946	2,215	4,083	5,119	903
<b>PACIFIC:</b>					
Washington.....	290,676	617,754	310,804	328,985	78,236
Oregon.....	273,542	795,669	374,622	366,977	112,225
California.....	1,410,945	398,061	1,928,097	1,660,963	1,912,825

<sup>1</sup> Includes Indian Territory.



**Plums and prunes (Table 66).**—Plum and prune trees of bearing age in 1910 numbered 23,445,000 and those not of bearing age 6,924,000. The production in 1909 was 15,480,000 bushels, or 76.6 per cent greater than that in 1899, 8,764,000 bushels. The value of the crop in 1909 was \$10,299,000. The Pacific division in 1910 had over two-fifths of the trees of bearing age, and in 1909 produced nearly four-fifths of the total crop. New York is the most important of the eastern states in the production of plums and prunes.

PLUMS AND PRUNES—TREES, PRODUCTION, AND VALUE.

Table 66	1910		1909		1899
	Trees of bearing age.	Trees not of bearing age.	Production (bushels).	Value.	Production (bushels).
<b>United States</b> .....	<b>23,445,000</b>	<b>6,923,581</b>	<b>15,480,170</b>	<b>\$10,299,498</b>	<b>8,764,032</b>
<b>GEOGRAPHIC DIVISIONS:</b>					
New England.....	176,038	90,498	62,733	110,178	24,976
Middle Atlantic.....	1,709,712	845,001	588,274	928,673	428,583
East North Central.....	2,739,655	976,854	568,383	674,671	596,753
West North Central.....	3,570,012	1,114,862	499,784	535,374	428,048
South Atlantic.....	1,152,080	363,099	257,912	236,221	190,561
East South Central.....	1,324,616	372,610	442,125	311,199	228,558
West South Central.....	2,337,965	744,987	327,000	267,703	397,366
Mountain.....	678,268	265,810	366,056	391,651	248,223
Pacific.....	9,756,683	2,150,460	12,097,643	6,912,825	6,221,064
<b>NEW ENGLAND:</b>					
Maine.....	43,576	22,491	14,637	31,954	2,282
New Hampshire.....	23,152	12,562	7,542	14,039	4,942
Vermont.....	32,920	15,818	7,365	12,927	1,529
Massachusetts.....	41,345	22,871	17,814	28,253	5,919
Rhode Island.....	4,836	2,556	1,282	3,886	571
Connecticut.....	30,209	13,200	13,663	19,419	9,733
<b>MIDDLE ATLANTIC:</b>					
New York.....	919,017	328,329	553,522	519,192	303,688
New Jersey.....	46,547	23,071	9,504	13,476	24,685
Pennsylvania.....	744,148	493,601	286,155	396,005	109,210
<b>EAST NORTH CENTRAL:</b>					
Ohio.....	1,001,734	332,811	215,657	278,505	81,435
Indiana.....	566,988	177,931	77,065	89,073	131,529
Illinois.....	600,087	141,490	78,566	80,384	157,941
Michigan.....	404,917	233,479	181,188	205,765	213,681
Wisconsin.....	165,909	71,153	15,907	29,944	12,166
<b>WEST NORTH CENTRAL:</b>					
Minnesota.....	233,736	167,926	19,920	27,808	21,820
Iowa.....	1,152,041	245,281	158,056	192,421	186,312
Missouri.....	917,851	181,828	224,872	211,472	111,603
North Dakota.....	19,147	35,459	1,048	1,866	365
South Dakota.....	268,268	172,186	31,748	36,872	8,114
Nebraska.....	351,321	184,066	41,910	50,334	42,314
Kansas.....	624,648	126,116	12,250	14,001	57,520
<b>SOUTH ATLANTIC:</b>					
Delaware.....	27,115	3,872	657	540	7,315
Maryland.....	69,996	29,478	13,526	16,192	19,945
District of Columbia.....	104	8	10	24	10
Virginia.....	171,667	59,127	22,507	22,772	21,167
West Virginia.....	254,539	125,078	32,944	48,522	19,123
North Carolina.....	168,883	45,505	61,027	48,274	22,044
South Carolina.....	82,212	21,657	48,754	37,555	16,177
Georgia.....	357,323	62,126	60,845	46,366	36,920
Florida.....	39,921	16,250	17,169	18,976	47,840
<b>EAST SOUTH CENTRAL:</b>					
Kentucky.....	355,858	128,367	139,346	102,446	76,574
Tennessee.....	499,627	168,510	139,003	86,743	73,315
Alabama.....	211,991	51,979	61,712	45,039	11,876
Mississippi.....	297,140	83,154	101,974	79,971	66,793
<b>WEST SOUTH CENTRAL:</b>					
Arkansas.....	731,276	179,967	194,649	137,003	174,734
Louisiana.....	148,929	41,419	31,473	24,611	29,682
Oklahoma.....	498,421	135,836	25,016	28,154	12,137
Texas.....	1,020,339	327,705	75,222	77,925	180,513
<b>MOUNTAIN:</b>					
Montana.....	21,140	13,001	8,777	11,642	373
Idaho.....	202,855	98,017	179,027	137,804	164,468
Wyoming.....	4,564	7,475	659	1,842	7
Colorado.....	143,921	68,525	81,539	81,354	15,224
New Mexico.....	51,257	42,351	15,528	17,054	18,492
Arizona.....	12,196	7,808	8,920	18,154	12,137
Utah.....	135,619	23,388	68,249	54,600	43,984
Nevada.....	6,716	3,155	3,857	4,654	542
<b>PACIFIC:</b>					
Washington.....	823,082	122,912	1,032,077	600,503	229,207
Oregon.....	1,764,896	427,690	1,747,587	838,778	359,821
California.....	7,168,705	1,599,939	9,317,979	5,473,539	5,632,036

<sup>1</sup> Includes Indian Territory.

**Cherries (Table 67).**—The number of cherry trees of bearing age in 1910 was 11,822,000, while trees not of bearing age numbered 5,622,000. The production in 1909 was 4,126,000 bushels, or 43.6 per cent more than that in 1899, 2,873,000 bushels. The crop in 1909 was valued at \$7,231,000. The East North Central was the leading division, both in number of trees and in production, while the Pacific division ranked second in production but third in number of trees not of bearing age and fifth in number of trees of bearing age.

CHERRIES—TREES, PRODUCTION, AND VALUE.

Table 67	1910		1909		1899
	Trees of bearing age.	Trees not of bearing age.	Production (bushels).	Value.	Production (bushels).
<b>United States</b> .....	<b>11,822,044</b>	<b>5,621,660</b>	<b>4,126,099</b>	<b>\$7,231,160</b>	<b>2,873,499</b>
<b>GEOGRAPHIC DIVISIONS:</b>					
New England.....	68,236	32,587	14,904	38,424	23,445
Middle Atlantic.....	1,851,144	659,933	791,326	1,541,708	775,587
East North Central.....	3,825,972	1,223,247	1,410,298	2,362,344	851,326
West North Central.....	2,768,659	1,117,533	515,690	635,537	297,875
South Atlantic.....	1,003,825	364,118	327,706	394,990	391,799
East South Central.....	453,262	257,112	94,873	143,166	49,437
West South Central.....	385,302	242,569	9,954	14,401	13,633
Mountain.....	494,414	581,641	147,854	300,485	33,956
Pacific.....	996,798	842,900	813,494	1,500,105	436,421
<b>NEW ENGLAND:</b>					
Maine.....	14,288	6,653	2,403	7,164	1,550
New Hampshire.....	9,463	6,326	1,403	4,133	1,183
Vermont.....	18,006	6,659	2,506	7,651	1,069
Massachusetts.....	15,396	6,776	4,761	10,848	6,043
Rhode Island.....	964	453	214	464	1,329
Connecticut.....	12,119	5,720	3,617	8,161	12,271
<b>MIDDLE ATLANTIC:</b>					
New York.....	673,989	342,950	271,597	544,508	218,642
New Jersey.....	102,124	36,743	44,636	87,225	82,005
Pennsylvania.....	1,075,031	280,251	475,093	909,975	474,940
<b>EAST NORTH CENTRAL:</b>					
Ohio.....	1,114,271	342,328	338,664	657,406	192,954
Indiana.....	815,742	251,959	363,993	508,516	228,485
Illinois.....	843,283	239,605	287,376	433,474	204,271
Michigan.....	760,183	504,580	338,945	596,829	194,541
Wisconsin.....	299,495	148,715	81,949	152,119	31,057
<b>WEST NORTH CENTRAL:</b>					
Minnesota.....	25,139	38,399	1,526	2,973	960
Iowa.....	908,764	229,852	260,432	455,022	118,743
Missouri.....	622,832	247,425	125,314	222,100	62,708
North Dakota.....	5,076	21,484	209	445	4
South Dakota.....	51,613	76,299	5,924	12,981	900
Nebraska.....	454,488	267,529	89,876	164,872	54,647
Kansas.....	661,267	237,161	34,499	76,734	60,511
<b>SOUTH ATLANTIC:</b>					
Delaware.....	16,145	4,398	2,634	4,830	8,066
Maryland.....	82,805	27,774	42,315	60,121	60,452
District of Columbia.....	143	4	235	568	548
Virginia.....	352,783	83,323	132,671	134,428	188,093
West Virginia.....	332,429	124,967	79,728	111,043	87,828
North Carolina.....	168,063	74,111	53,788	90,453	35,800
South Carolina.....	60,274	25,794	10,987	15,880	6,551
Georgia.....	30,723	23,479	4,979	7,199	5,950
Florida.....	666	484	374	448	1,442
<b>EAST SOUTH CENTRAL:</b>					
Kentucky.....	212,118	102,766	52,163	74,340	34,258
Tennessee.....	300,301	128,466	36,303	60,214	11,668
Alabama.....	25,566	16,673	3,588	4,783	1,159
Mississippi.....	13,748	9,267	2,819	3,749	2,552
<b>WEST SOUTH CENTRAL:</b>					
Arkansas.....	60,046	47,556	5,993	8,424	7,880
Louisiana.....	975	769	527	921	336
Oklahoma.....	295,482	150,571	2,372	4,393	13,221
Texas.....	29,439	43,712	1,622	663	2,189
<b>MOUNTAIN:</b>					
Montana.....	19,038	24,237	7,497	17,985	807
Idaho.....	61,831	95,123	22,663	41,761	12,294
Wyoming.....	1,919	4,023	68	261	1
Colorado.....	203,806	319,623	89,397	173,895	5,387
New Mexico.....	21,925	26,818	6,384	10,654	5,228
Arizona.....	12,196	10,608	3,168	4,840	840
Utah.....	79,775	109,119	21,402	54,170	9,905
Nevada.....	1,588	787	481	894	114
<b>PACIFIC:</b>					
Washington.....	243,035	229,667	131,392	278,547	52,114
Oregon.....	231,456	313,770	181,089	269,934	65,347
California.....	522,394	300,063	501,013	951,624	318,950

<sup>1</sup> Includes Indian Territory.

**Apricots** (Table 68).—The production of apricots is mainly confined to California, which produced 98 per cent of the total crop in 1909. In Kansas, Oklahoma, and Texas there are a good many apricot trees, but the production reported for 1909 was insignificant, perhaps because of temporarily unfavorable climatic conditions. The number of trees of bearing age in the United States in 1910, as reported, was 3,670,000. The production in 1909 was 4,150,000 bushels, or 57.1 per cent more than that in 1899. The value of the crop in 1909 was \$2,884,000.

**Quinces** (Table 68).—The production of quinces is much less important than that of the fruits previously mentioned. The total number of trees of bearing age in 1910 was 1,154,000, and of trees not of bearing age 595,000. The production in 1909, 429,000 bushels, was valued at \$517,000, New York, Ohio, and Pennsylvania being the leading states. This crop was not separately reported at the census of 1900.

#### APRICOTS AND QUINCES—TREES, PRODUCTION, AND VALUE.

STATE.	1910		1909		1899
	Trees of bearing age.	Trees not of bearing age.	Production (bushels).	Value.	Production (bushels).
<b>Apricots, total.</b>	<b>3,669,714</b>	<b>356,202</b>	<b>4,150,263</b>	<b>\$2,884,119</b>	<b>2,642,128</b>
Alabama	6,465	5,962	1,849	40,378	1,378
California	2,992,453	551,524	4,066,923	2,768,921	2,547,064
Colorado	16,841	10,299	11,493	15,658	2,363
Kansas	187,381	28,154	31,374	5,122	4,236
New York	16,050	3,557	9,863	14,490	15,719
Oklahoma	179,515	62,930	1,123	1,270	1,509
Oregon	10,656	18,128	4,616	7,727	1,665
Pennsylvania	10,363	7,576	2,502	4,497	1,634
Texas	66,553	47,885	1,839	2,364	1,620
Utah	28,978	28,639	12,047	12,037	5,272
Washington	36,088	80,722	16,799	17,280	5,254
All other states	124,191	79,826	22,063	29,310	16,163
<b>Quinces, total.</b>	<b>1,154,399</b>	<b>594,801</b>	<b>428,672</b>	<b>\$517,243</b>	<b>(*)</b>
California	76,979	65,471	32,638	26,246	.....
Connecticut	9,826	10,701	4,627	7,027	.....
Illinois	30,804	12,180	6,723	8,037	.....
Indiana	56,827	17,658	17,873	22,431	.....
Kentucky	29,893	12,313	11,537	11,757	.....
Maryland	20,936	9,145	6,359	8,383	.....
Massachusetts	7,484	4,531	2,863	5,754	.....
Michigan	35,461	15,302	13,484	16,858	.....
New Jersey	14,777	8,134	6,442	10,583	.....
New York	169,031	140,703	132,451	135,345	.....
Ohio	245,080	62,415	81,101	101,369	.....
Oregon	8,102	5,216	5,354	5,140	.....
Pennsylvania	176,849	77,071	62,350	102,431	.....
West Virginia	30,498	22,702	13,163	18,676	.....
All other states	221,682	131,061	31,707	37,186	.....

\* Includes Indian Territory.

\* Not reported separately.

**Grapes** (Table 69).—The total number of grapevines of bearing age in 1910 was 223,702,000, and the number not of bearing age 59,929,000. The production of grapes in 1909, 2,571,065,000 pounds, was nearly twice as great as in 1899. The value in 1909, \$22,028,000, represented 0.4 per cent of the total value of farm crops. The value given for 1899, \$14,090,000, is not precisely comparable with that for 1909, since it includes the value of such derived products as wine and raisins, while the value given for 1909 represents the fruit alone. Since, however,

in all states except California, the larger part of the grapes are sold in their natural condition, the values shown for most of the states are probably quite closely comparable.

#### GRAPES—VINES, PRODUCTION, AND VALUE.

Table 69 DIVISION OR STATE.	Number of vines of bearing age: 1910	Number of vines not of bearing age: 1910	PRODUCTION (POUNDS).		VALUE.	
			1909	1899	1909	1899 <sup>1</sup>
<b>U. S. ....</b>	<b>223,701,522</b>	<b>59,928,644</b>	<b>2,571,065,205</b>	<b>1,306,984,097</b>	<b>\$22,027,961</b>	<b>\$14,090,234</b>
<b>Geog. Divs.</b>						
New Eng.	207,844	92,370	3,413,161	4,324,300	108,348	112,614
Mid. Atl.	38,676,612	12,613,556	236,327,780	299,058,483	4,945,342	3,484,987
E. S. C.	22,708,289	2,825,671	194,740,671	159,489,481	3,122,363	2,244,659
W. N. C.	9,222,514	1,740,265	41,088,852	40,735,442	1,156,625	870,382
S. Atl.	1,903,341	543,306	32,439,760	34,579,571	909,900	721,124
E. S. C.	1,308,203	295,641	8,143,715	14,871,562	348,397	356,087
W. S. C.	8,937,376	945,918	8,265,667	14,228,318	304,454	371,965
Mountain.	936,338	537,267	4,858,195	5,287,730	128,532	115,206
Pacific	144,800,979	40,366,650	1,984,987,404	728,017,200	10,997,000	5,812,610
<b>New Eng.</b>						
Me	9,731	1,944	231,529	275,800	6,954	7,584
N. H.	15,802	3,016	375,164	487,400	10,926	14,462
Vt.	9,318	1,845	203,011	240,100	6,328	7,035
Mass.	14,261	2,911	1,132,835	1,308,300	30,858	35,685
R. I.	7,662	9,634	152,937	189,700	9,759	4,736
Conn.	107,054	61,670	1,317,682	1,822,900	43,523	43,112
<b>Mid. Atl.</b>						
N. J.	31,802,097	3,801,800	253,066,361	247,698,056	3,961,677	2,763,711
N. Y.	1,603,280	558,945	6,501,221	4,235,000	132,957	81,758
Pa.	5,271,264	8,252,811	34,020,198	47,125,437	850,708	639,518
<b>E. S. C.</b>						
Ohio	8,326,800	455,750	43,933,207	79,173,873	858,594	962,745
Ind.	1,049,232	149,441	12,817,353	18,651,380	287,707	350,394
Ill.	2,170,340	287,734	16,582,785	20,009,400	426,468	383,169
Mich.	11,013,576	1,869,438	120,635,997	41,530,363	1,531,057	503,268
Wis.	148,348	65,098	701,325	971,459	25,337	15,173
<b>W. N. C.</b>						
Minn.	61,916	35,950	203,805	573,272	11,021	15,593
Iowa	1,983,465	440,126	11,708,536	17,405,900	330,078	166,361
Mo.	5,196	486,044	18,771,816	13,785,556	488,755	314,807
N. Dak.	379	1,464	360	1,500	14	108
S. Dak.	38,647	46,891	144,634	16,061	4,789	2,158
Nebr.	1,221,739	389,748	4,752,217	3,171,034	137,256	74,707
Kans.	2,850,845	343,002	6,317,684	15,786,019	184,673	266,649
<b>S. Atl.</b>						
Del.	260,963	98,950	1,938,267	1,375,300	43,967	31,701
MD.	138,801	44,690	2,152,382	1,685,490	53,498	43,282
D. C.	5,196	28,530	34,300	34,300	1,059	539
Va.	424,701	136,026	4,108,694	3,608,903	156,266	87,737
W. Va.	284,074	76,465	3,224,751	2,192,147	92,834	50,874
N. C.	411,278	120,208	15,116,920	12,344,041	336,083	197,262
S. C.	79,708	19,704	2,016,506	3,323,835	88,620	82,706
Georgia	277,658	38,233	2,767,366	8,330,485	99,216	170,603
Fla.	20,962	8,830	1,086,344	1,684,700	38,557	56,420
<b>E. S. C.</b>						
Ky.	605,002	77,626	3,680,182	5,134,215	137,326	112,350
Tenn.	338,758	76,040	1,979,480	3,455,122	85,423	120,199
Ala.	287,431	77,105	1,723,490	4,257,600	81,396	84,861
Miss.	77,012	34,870	760,563	1,070,625	44,262	59,277
<b>W. S. C.</b>						
Ark.	805,921	177,624	2,593,727	3,621,100	97,985	104,803
La.	31,041	20,936	106,595	176,967	6,099	5,927
Okl.	2,388,213	447,489	3,762,727	8,634,031	122,045	1194,880
Tex.	712,201	297,869	1,802,618	4,086,220	78,325	126,355
<b>Mountain:</b>						
Mont.	68,986	1,121	1,330	1,330	17	173
Idaho	68,269	124,806	604,277	277,900	18,814	5,721
Wyo.	74	1,147	159	1,200	32	50
Colo.	254,292	101,332	1,037,614	586,300	28,026	17,154
N. Mex.	250,076	122,367	425,415	1,515,900	16,101	33,717
Ariz.	131,579	84,510	837,845	1,097,300	24,371	24,779
Utah	204,445	94,043	1,756,363	920,000	28,126	27,736
Nev.	26,607	7,941	376,265	287,000	12,045	5,856
<b>Pacific:</b>						
Wash.	322,007	371,733	1,704,005	1,194,700	51,412	27,242
Ore.	381,302	468,598	3,206,874	5,389,100	98,776	162,543
Calif.	144,097,670	39,526,319	1,979,686,525	721,433,400	10,846,812	5,622,825

<sup>1</sup> Includes value of wine, grape juice, raisins, etc.

<sup>2</sup> Includes Indian Territory.

California had nearly two-thirds of the total number of vines of bearing age in 1910 and produced more than three-fourths of the total grape crop of 1909. The value of the California product, however, in 1909 represented slightly less than half of the total for the country. The two states which rank next in the

production of grapes are New York and Michigan, but they are raised to some extent in nearly every state. In California and Michigan the production increased greatly between 1899 and 1909.

**Tropical and subtropical fruits** (Tables 70 and 71).—The total value of tropical and subtropical fruits produced in 1909 was \$24,707,000, or nearly three times the value of such fruits produced in 1899. The value of citrus fruits was \$22,711,000, of figs \$804,000, of pineapples \$734,000, and that of olives \$405,000, other fruits being represented by relatively insignificant amounts. The value of the separate kinds of fruit was not reported for 1899. The production of citrus fruits in 1909 amounted to 23,502,000 boxes, as compared with 7,098,000 boxes in 1899—an increase of 231.1 per cent. To the value of the citrus fruits in 1909 oranges contributed \$17,566,000, lemons \$2,994,000, and grapefruit \$2,061,000. Much the greater part of the tropical and subtropical fruit produced in the United States is grown in California and Florida, the value of the product of the former state in 1909 constituting 67.8 per cent of the total, and that of the latter 28.7 per cent.

**Oranges.**—In 1910 the number of orange trees of bearing age was 9,738,000, and the number not of bearing age, 4,327,000.<sup>1</sup> The production in 1909 amounted to 19,487,000 boxes, or more than three times the number in 1899. The value of the 1909 crop was \$17,566,000. Nearly three-fourths of the 1909 crop was produced in California, and most of the remainder in Florida. The production in the latter state in 1909 was about eighteen times as great as in 1899, the crop of the earlier year having been greatly reduced by disastrous frosts.

**Lemons.**—There were 957,000 lemon trees of bearing age in the United States in 1910, and 396,000 not of bearing age. The production in 1909 amounted to 2,770,000 boxes, as compared with 877,000 boxes in 1899—an increase of 215.9 per cent. The value of the crop of 1909 was \$2,994,000, the average value per box being somewhat greater than in the case of oranges. Nearly the entire production of lemons was in California.

**Grapefruit.**—No other class of fruit shows so great an increase between 1899 and 1909 as pomelo, or grapefruit. While the crop of 1899 was affected by the frosts in Florida, the leading state in the growing of this fruit, the production during recent years has been very much greater than during even the most favorable years prior to 1900. The total number of grapefruit trees of bearing age in 1910 was 710,000, and of trees not of bearing age 641,000. The production in 1909 amounted to 1,189,000 boxes, as com-

pared with 31,000 boxes in 1899, and the crop was valued at \$2,061,000.

**Other citrus fruits.**—The other citrus fruits are relatively unimportant. They include limes, tangerines, and kumquats, chiefly produced in Florida, and mandarins, chiefly produced in Louisiana. The total production of limes amounted to only about 11,000 boxes, valued at slightly more than \$12,000. That of tangerines nearly 39,000 boxes, valued at almost \$69,000, while that of mandarins and kumquats was very small.

## CITRUS FRUITS—TREES, PRODUCTION, AND VALUE.

Table 70	1910		1909		1899
	Trees of bearing age.	Trees not of bearing age.	Production (boxes).	Value.	Production (boxes).
All citrus fruits <sup>1</sup> .....	11,486,768	5,400,402	23,502,122	\$22,711,448	7,098,466
Oranges, total.....	9,737,927	4,327,271	19,487,481	17,566,464	6,187,891
California.....	33,373	56,982	32,247	52,341	11,116
Florida.....	6,615,805	2,069,410	14,436,180	12,951,505	5,882,193
Louisiana.....	2,766,618	1,097,886	4,832,967	4,304,987	273,295
Mississippi.....	296,116	155,016	149,979	222,339	1,288
Texas.....	10,452	38,637	3,779	8,648	.....
.....	42,384	867,407	10,694	22,090	.....
Lemons, total.....	956,920	396,111	2,770,313	2,993,738	876,876
California.....	941,293	379,676	2,756,221	2,976,571	874,305
Florida.....	11,740	7,329	12,367	13,753	2,359
Pomeles (grapefruit), total.....	710,040	640,597	1,189,250	2,060,610	30,790
California.....	43,424	25,589	122,515	143,180	17,851
Florida.....	656,213	600,049	1,061,557	1,907,816	12,306
Limes, total.....	45,387	30,239	11,318	12,478	22,839
Florida.....	45,369	30,088	11,302	12,457	22,714
Tangerines, total.....	27,271	3,873	38,752	68,770	(?)
California.....	3,637	34	3,581	4,188	.....
Florida.....	23,243	3,839	34,871	64,082	.....
Mandarins, total.....	7,227	1,823	3,896	6,553	(?)
Louisiana.....	6,875	1,900	3,340	5,945	.....
Kumquats, total.....	1,968	358	1,112	2,828	(?)
Florida.....	1,953	222	1,091	2,768	.....

<sup>1</sup> Includes a small number of citron trees in 1910 and the value of their product in 1909, also a small amount of product in 1909.

<sup>2</sup> Exclusive of a small quantity of citrons.

<sup>3</sup> No report.

**Figs.**—The production of figs is somewhat more widely distributed than that of the citrus fruits. The total number of trees of bearing age in 1910 was 822,000, but there was a still larger number not of bearing age. The production in 1909 amounted to 35,060,000 pounds, valued at \$804,000; the crop in 1899 amounted to 12,995,000 pounds. The leading state is California, which produced nearly two-thirds of the total crop in 1909.

**Olives.**—The production of olives is practically confined to California and Arizona. The crop of 1909, 16,405,000 pounds, was more than three times as great as that of 1899.

**Pineapples.**—The production of pineapples in the United States is virtually confined to Florida. The crop of 1909 amounted to 779,000 crates. The production as reported for 1899 was expressed in number of pineapples, but on the basis of the average number per crate (about 30) it amounted to about 95,000 crates.

<sup>1</sup> It should be noted that, as in the case of orchard fruits, the number of tropical and subtropical fruit trees reported as of bearing age in 1900 is believed to have included a good many not of bearing age, and to be, therefore, incomparable with the number for 1910.

**Other tropical and subtropical fruits.**—In addition to the fruits already listed, there are a considerable number of other tropical and subtropical fruits produced in small quantities in the United States, mainly in Florida and California. These include bananas, avocado pears, guavas, mangoes, persimmons (Japanese), loquats, pomegranates, and dates.

# NONCITRUS TROPICAL AND SUBTROPICAL FRUITS—TREES, PRODUCTION, AND VALUE.

Table 71	1910		1909		1899	
	STATE.	Trees of bearing age.	Trees not of bearing age.	Production. <sup>1</sup>	Value.	Production. <sup>1</sup>
<b>Figs, total.</b>		<b>821,640</b>	<b>1,028,717</b>	<b>35,060,395</b>	<b>\$803,810</b>	<b>12,994,634</b>
Alabama.		32,731	33,993	1,773,126	80,960	140,970
Arkansas.		4,174	2,518	80,707	5,953	14,420
California.		269,001	214,527	22,990,353	260,153	10,620,366
Florida.		12,784	12,602	474,287	20,886	66,650
Georgia.		49,424	11,813	1,183,494	50,326	31,880
Louisiana.		71,464	102,043	2,025,308	87,009	384,560
Mississippi.		65,397	38,654	1,949,301	107,609	61,600
North Carolina.		21,054	7,783	660,624	22,632	14,510
South Carolina.		24,807	7,325	975,138	49,169	74,030
Texas.		230,171	385,396	2,411,876	97,078	611,460
Virginia.		10,136	4,925	234,057	9,652	7,540
All other states.		10,497	7,238	302,126	12,383	996,498
<b>Pineapples, total.</b>		<b>336,191,389</b>	<b>2,602,813</b>	<b>778,651</b>	<b>734,090</b>	<b>95,456</b>
Florida.		36,190,758	2,602,585	778,644	734,069	95,441
<b>Olives, total.</b>		<b>846,175</b>	<b>123,784</b>	<b>16,405,493</b>	<b>404,574</b>	<b>5,053,637</b>
Arizona.		9,353	1,773	264,895	3,073	13,150
California.		836,347	121,659	16,132,412	401,277	5,040,227
<b>Bananas, total.</b>		<b>23,114</b>	<b>7,515</b>	<b>10,060</b>	<b>5,661</b>	
Florida.		22,032	6,885	10,045	5,638	
<b>Avocado pears:</b>						
Florida.		12,054	23,072	4,920	10,100	( <sup>2</sup> )
<b>Guavas, total.</b>		<b>15,747</b>	<b>3,807</b>	<b>354,062</b>	<b>11,628</b>	<b>1,677,165</b>
California.		7,031	443	95,053	4,018	31,370
Florida.		8,293	3,364	258,709	7,604	1,645,795
<b>Mangoes:</b>						
Florida.		4,904	7,775	5,278	5,739	( <sup>2</sup> )
<b>Persimmons (Japanese), total.</b>		<b>16,491</b>	<b>17,176</b>	<b>6,723</b>	<b>9,087</b>	<b>2,721</b>
California.		3,274	8,801	2,696	3,344	1,188
Florida.		4,987	3,895	1,615	2,066	1,502
Texas.		4,449	2,718	1,175	2,136	31
<b>Loquats, total.</b>		<b>3,791</b>	<b>1,011</b>	<b>4,541</b>	<b>5,880</b>	<b>(<sup>2</sup>)</b>
California.		3,711	1,011	4,516	5,830	
<b>Pomegranates, total.</b>		<b>8,933</b>	<b>9,275</b>	<b>152,825</b>	<b>4,203</b>	<b>(<sup>2</sup>)</b>
Alabama.		1,672	3,552	19,090	617	
Arizona.		776	347	23,360	477	
California.		1,771	2,745	30,075	908	
Georgia.		1,308	1,320	27,365	920	
Nevada.		2,887	541	45,550	915	
<b>Dates, total.</b>		<b>4,551</b>	<b>22,269</b>	<b>9,947</b>	<b>533</b>	<b>(<sup>2</sup>)</b>

<sup>1</sup> Expressed in pounds for figs, olives, guavas, pomegranates, and dates; in crates for pineapples and avocado pears; in bunches for bananas; in boxes for mangoes and loquats; and in bushels for persimmons (Japanese).

<sup>2</sup> Number of plants.

<sup>3</sup> Not reported separately.

**Nuts (Tables 72 and 73).**—Systematic cultivation of nut trees, which is for the most part comparatively recent in the United States, is as yet largely confined to a few states in the South and on the Pacific coast. Throughout large sections of the country, however, there are many wild nut trees, the aggregate production of which is considerable; but in most cases the nuts obtained from such trees are not looked upon as a commercial crop and are mainly consumed on the farm. Doubtless the production of such wild nuts reported to the Census Bureau is much less than the actual production.

The total nut crop reported for 1909, 62,328,000 pounds, was 55.7 per cent greater than that reported for 1899, and the value, \$4,448,000, was 128.1 per cent greater. California is by far the most important state in the production of nuts, and Texas ranks next. No other state reported as much as \$100,000 worth of nuts in 1909.

## NUTS—PRODUCTION AND VALUE.

Table 72	STATE.	PRODUCTION (POUNDS). <sup>1</sup>		VALUE. <sup>2</sup>	
		1909	1899	1909	1899
<b>Total.</b>		<b>62,328,010</b>	<b>40,028,825</b>	<b>\$4,447,674</b>	<b>\$1,949,931</b>
Alabama.		439,382	193,370	37,986	6,315
Arizona.		35,834	121,000	4,483	9,328
Arkansas.		787,854	533,700	27,513	8,898
California.		28,378,115	17,775,505	2,969,845	1,441,137
Connecticut.		137,987	855,550	5,102	17,432
Florida.		382,535	98,470	47,456	8,453
Georgia.		845,553	181,716	61,106	3,997
Illinois.		714,478	370,700	6,230	6,571
Indiana.		439,614	588,800	7,344	6,284
Iowa.		1,721,265	484,850	36,922	7,603
Kansas.		402,714	130,830	7,625	6,097
Kentucky.		946,428	409,270	17,231	8,365
Louisiana.		790,955	665,770	73,169	51,457
Maryland.		381,148	65,950	5,687	2,055
Massachusetts.		134,920	462,800	3,671	12,106
Michigan.		964,137	370,700	18,956	7,436
Mississippi.		866,594	313,620	90,855	17,158
Missouri.		2,823,368	1,747,520	39,746	19,838
Nebraska.		381,325	93,000	8,906	1,995
New Hampshire.		254,521	270,900	6,329	6,220
New Jersey.		219,626	947,950	7,116	20,660
New York.		2,773,558	74,420	71,420	21,622
North Carolina.		1,244,629	244,330	28,535	3,413
Ohio.		559,065	286,250	11,691	6,571
Oklahoma.		1,019,238	45,330	62,168	<sup>3</sup> 1,044
Oregon.		177,632	42,980	13,208	2,560
Pennsylvania.		3,785,804	5,065,300	90,447	91,149
South Carolina.		376,913	213,320	36,888	3,868
Tennessee.		753,570	659,660	14,041	5,828
Texas.		5,945,932	1,836,970	562,542	78,971
Virginia.		481,572	376,440	22,161	5,109
West Virginia.		195,312	16,090	16,090	4,830
Wisconsin.		609,428	80,150	18,196	1,460
All other states.		1,205,666	289,240	22,373	7,025

<sup>1</sup> Does not include coconuts, which are reported by number.

<sup>2</sup> Includes value of coconuts.

<sup>3</sup> Includes Indian Territory.

## ALMONDS, PECANS, AND PERSIAN OR ENGLISH WALNUTS—TREES, PRODUCTION, AND VALUE.

Table 73	STATE.	1910		1909		1899
		Trees of bearing age.	Trees not of bearing age.	Production (pounds).	Value.	Production (pounds).
<b>Almonds, total.</b>		<b>1,187,962</b>	<b>389,575</b>	<b>6,793,538</b>	<b>\$711,970</b>	<b>7,142,710</b>
Alabama.		6,679	845	33,759	4,193	116,510
Arizona.		1,166,750	365,961	6,692,518	700,304	6,992,610
California.		14,598	22,769	67,267	7,473	33,590
<b>Pecans, total.</b>		<b>1,619,521</b>	<b>1,655,066</b>	<b>9,890,769</b>	<b>\$71,596</b>	<b>3,206,850</b>
Alabama.		13,583	125,734	228,311	30,540	10,670
Arkansas.		13,508	13,811	249,965	17,603	86,050
Florida.		42,512	176,207	307,632	43,962	46,800
Georgia.		75,519	325,779	354,046	47,845	27,440
Illinois.		28,520	8,223	107,049	11,301	41,880
Louisiana.		36,527	119,547	723,578	70,635	637,470
Mississippi.		69,524	148,030	677,293	79,936	242,300
Missouri.		48,822	7,214	147,430	10,467	75,170
North Carolina.		14,583	29,781	74,847	8,194	10,990
Oklahoma.		96,766	53,796	894,172	50,881	116,580
South Carolina.		33,366	43,639	159,823	20,442	13,020
Texas.		1,087,619	621,550	5,832,367	556,703	1,810,670
All other states.		14,019	20,755	174,212	15,987	158,400
<b>Persian or English walnuts, total.</b>		<b>914,870</b>	<b>806,413</b>	<b>22,026,524</b>	<b>2,237,336</b>	<b>10,668,065</b>
California.		852,276	29,781	21,432,367	2,217,194	10,619,375
Mississippi.		2,705	5,513	66,492	6,949	5,670
Oregon.		9,526	177,004	79,060	8,288	6,110
All other states.		48,802	77,092	418,706	34,906	36,310

<sup>1</sup> Includes Indian Territory.

The most important nut crops are Persian or English walnuts, pecans, and almonds, which are the only nuts that are, on any large scale, produced by cultiva-

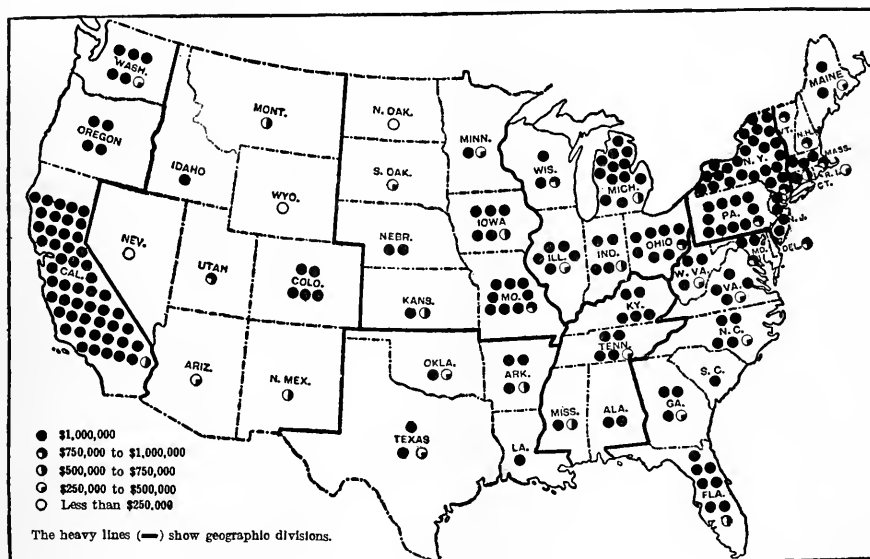
tion. The combined value of these three classes of nuts in 1909 amounted to \$3,981,000, or about nine-tenths of the total for all nuts.

The crop of Persian or English walnuts in 1909, 22,027,000 pounds, was more than twice as great as that in 1899. Most of these nuts were grown in California. The production of pecans in 1909, 9,891,000

pounds, was more than three times as great as that of 10 years earlier. About three-fifths of the crop was grown in Texas, and most of the remainder in Oklahoma, Louisiana, Mississippi, Georgia, and Florida. The production of almonds, which is mainly confined to California, amounted to 6,794,000 pounds in 1909, or somewhat less than in 1899.

### FRUITS AND NUTS.

VALUE, BY STATES: 1909.



## FLOWERS AND PLANTS, NURSERY PRODUCTS, AND FOREST PRODUCTS.

**Flowers and plants.**—Table 74 includes statistics both for flowers and plants raised on ordinary farms and for those raised by florists' establishments devoted exclusively to this branch of industry. Often such establishments have comparatively little land, but raise their products chiefly in greenhouses and by highly intensive methods. The acreage statistics, therefore, have comparatively little significance. The acreage reported for the United States as a whole in 1909 amounted to 18,248. The value of the flowers and plants raised was \$34,872,000, an increase of 85.9 per cent as compared with 1899. These products contributed 0.6 per cent of the total value of crops in 1909. The value of flower seeds is not included in this table, but appears, together with that of vegetable seeds, in Table 38.

As might be expected, the raising of flowers and plants is most extensively carried on in the neighborhood of large cities. New York, Pennsylvania, Illinois, New Jersey, Massachusetts, and Ohio are the leading states in this industry according to value of products. The raising of flowers and plants is also an important industry on the Pacific coast.

**Nursery products.**—As in the case of flowers and plants, the statistics presented in Table 74 cover the raising of nursery products not only on ordinary farms, but also by establishments which devote themselves exclusively to this branch of agriculture, and which employ only intensive methods. The acreage in 1909, 80,618, was 35.5 per cent greater than in 1899, while the value of products, \$21,051,000, was more than twice as great as 10 years earlier, and was equal to 0.4 per cent of the total value of farm crops.

In value of nursery products the Middle Atlantic division ranked first, the West North Central second, the Pacific third, and the East North Central fourth. New York reported a greater value of such products than any other state, California being next in order.

**Forest products.**—The census schedule for 1910 called for the "value of all firewood, fencing material, logs, railroad ties, telegraph and telephone poles, materials for barrels, bark, naval stores, or other forest products cut or produced in 1909, whether used on farms, sold, or on hand April 15, 1910;" and also, as a separate item, for the "amount received from sale of standing timber in 1909." The schedule of the 1900 census was substantially similar, except that it did not specifically mention standing timber; it is probable that some sales of standing timber were included in the returns, but that the total value of forest products as reported for 1899 was somewhat lower than it would have been if the schedule had been worded as in 1910. The value of forest products at each census, as shown in Table 74, represents only that derived from farms, which is much less than that derived from land not in farms. Most of the forest products of farms are derived from natural forests, as there is yet little systematic planting of forest trees.

The total value of the forest products of farms in 1909 was \$195,306,283, which is 77.8 per cent greater than that reported for 1899. Of this amount, \$102,782,078 was the value of products used or to be used on the farms themselves, \$70,800,983 that of products sold or intended for sale, and \$21,723,222 the amount received for standing timber. The total value of forest products of farms in 1909 represented 3.6 per cent of the value of all crops.

The production of forest products by farmers is widely distributed. In 1909 the South Atlantic division outranked all others in the value of such products, and was followed by the East North Central and East South Central divisions. The states of North Carolina, New York, and Virginia each reported forest products valued at more than \$10,000,000. In total value of forest products, including those not produced on farms, the ranking of the states would be very different.

# FARM CROPS, BY STATES.

419

FLOWERS AND PLANTS, NURSERY PRODUCTS, AND FOREST PRODUCTS OF FARMS: 1909 AND 1899.

Table 74

DIVISION OR STATE.	FLOWERS AND PLANTS.				NURSERY PRODUCTS.				FOREST PRODUCTS OF FARMS.	
	Acreage.		Value.		Acreage.		Value.		Value.	
	1909	1899	1909	1899	1909	1899	1909	1899	1909	1899
<b>United States.....</b>	<b>18,248</b>	<b>9,307</b>	<b>\$34,872,329</b>	<b>\$18,758,884</b>	<b>80,618</b>	<b>59,492</b>	<b>\$21,050,822</b>	<b>\$10,123,873</b>	<b>\$196,306,283</b>	<b>\$109,864,774</b>
<b>GEOGRAPHIC DIVISIONS:</b>										
New England.....	2,281	1,095	4,677,316	2,763,771	2,647	1,800	989,080	547,563	17,664,763	10,472,941
Middle Atlantic.....	6,447	3,182	11,810,076	7,067,038	13,675	13,221	4,355,340	2,523,065	19,110,765	14,621,344
East North Central.....	3,859	1,952	9,029,125	4,488,506	13,811	12,063	3,037,823	1,794,842	32,161,851	27,063,648
West North Central.....	1,185	638	2,642,343	1,246,913	16,614	12,377	3,841,690	2,052,847	19,891,878	11,780,749
South Atlantic.....	1,485	814	1,932,426	1,450,924	9,963	6,050	1,851,351	851,511	44,010,178	18,547,791
East South Central.....	647	387	1,005,548	509,121	8,130	4,894	1,147,669	751,319	29,264,946	14,784,182
West South Central.....	628	290	846,009	229,351	5,734	4,041	1,711,284	612,413	21,026,984	7,826,858
Mountain.....	233	185	753,914	276,269	1,731	963	594,096	251,787	2,580,902	740,033
Pacific.....	1,483	764	2,175,572	726,968	8,313	4,083	3,522,489	738,526	9,504,016	4,027,228
<b>NEW ENGLAND:</b>										
Maine.....	112	71	301,005	155,131	57	107	23,244	46,207	5,673,763	2,652,252
New Hampshire.....	93	38	236,144	108,161	24	34	11,897	7,012	3,610,178	2,296,265
Vermont.....	23	38	78,726	58,575	37	74	11,014	49,625	3,638,537	2,108,518
Massachusetts.....	1,203	584	2,455,467	1,639,760	1,547	894	605,875	260,069	2,668,410	1,944,714
Rhode Island.....	290	177	558,543	314,806	212	86	75,541	42,295	312,022	195,472
Connecticut.....	560	187	1,047,431	487,338	770	605	261,506	142,355	1,861,833	1,275,720
<b>MIDDLE ATLANTIC:</b>										
New York.....	2,979	1,496	5,148,949	2,867,673	8,680	8,238	2,750,957	1,642,107	10,365,651	7,671,108
New Jersey.....	1,436	613	2,857,709	1,953,290	2,167	1,782	681,814	339,926	758,515	469,055
Pennsylvania.....	2,032	1,073	3,803,418	2,246,075	2,828	3,201	922,569	541,032	7,986,599	6,481,181
<b>EAST NORTH CENTRAL:</b>										
Ohio.....	1,070	685	2,384,830	1,399,957	4,718	4,699	860,351	538,012	5,761,941	6,625,897
Indiana.....	496	174	1,212,891	400,730	1,850	1,646	411,387	254,893	5,603,322	5,235,459
Illinois.....	1,339	679	3,694,801	1,894,960	3,454	3,142	822,284	578,306	3,325,259	2,555,890
Michigan.....	702	220	1,143,764	521,987	3,034	1,840	642,774	338,544	7,911,901	7,530,369
Wisconsin.....	252	194	592,839	270,872	755	736	301,027	55,687	9,559,428	6,116,033
<b>WEST NORTH CENTRAL:</b>										
Minnesota.....	163	143	603,935	288,055	3,854	1,127	863,014	383,105	5,181,508	2,602,335
Iowa.....	361	140	657,393	320,407	3,430	2,905	845,912	619,092	3,649,632	3,266,449
Missouri.....	383	151	653,903	409,890	2,459	2,971	529,394	349,449	8,406,823	4,442,131
North Dakota.....	4	2	47,221	2,900	472	131	30,997	7,249	235,386	112,807
South Dakota.....	19	11	50,008	3,260	399	200	70,827	12,866	257,122	106,284
Nebraska.....	94	86	356,168	142,636	1,997	1,594	553,053	234,033	795,053	412,746
Kansas.....	161	75	273,715	79,765	4,003	3,449	948,493	447,653	1,366,950	837,967
<b>SOUTH ATLANTIC:</b>										
Delaware.....	44	30	71,429	57,013	182	174	39,057	17,241	346,062	250,481
Maryland.....	478	174	597,001	355,862	4,240	1,275	456,900	123,474	2,349,045	1,170,362
District of Columbia.....	240	217	303,509	519,565	(1)	1	150	325	238	50
Virginia.....	375	143	362,488	238,712	569	1,200	156,992	214,985	10,118,851	3,797,116
West Virginia.....	25	39	78,377	44,384	464	547	79,268	61,700	4,004,484	2,632,980
North Carolina.....	107	61	126,995	31,163	754	1,149	266,968	135,084	11,364,134	4,915,991
South Carolina.....	23	28	52,094	7,920	21	84	4,409	4,416	4,513,092	1,915,280
Georgia.....	144	77	271,427	154,888	1,502	957	366,433	172,143	8,938,390	3,217,119
Florida.....	49	45	69,106	41,417	2,231	663	478,174	122,140	2,375,882	648,412
<b>EAST SOUTH CENTRAL:</b>										
Kentucky.....	249	132	392,409	262,288	542	537	115,963	114,749	7,843,142	4,179,480
Tennessee.....	239	140	344,579	175,079	3,978	2,588	697,703	474,133	8,510,710	5,086,624
Alabama.....	120	53	168,239	43,950	3,079	1,038	259,057	131,132	6,308,151	2,494,452
Mississippi.....	39	62	100,321	26,907	533	181	74,946	31,305	6,002,943	3,023,626
<b>WEST SOUTH CENTRAL:</b>										
Arkansas.....	26	25	153,421	25,830	528	868	198,579	131,045	6,914,262	2,468,718
Louisiana.....	227	89	126,212	76,628	502	276	87,643	63,593	3,844,340	1,381,867
Oklahoma.....	40	19	92,016	16,644	857	1804	171,952	103,264	1,602,720	1,456,240
Texas.....	335	167	474,360	120,249	3,847	2,093	1,253,110	314,511	8,925,662	3,520,033
<b>MOUNTAIN:</b>										
Montana.....	20	17	104,601	33,630	341	62	174,427	17,825	541,800	176,134
Idaho.....	18	5	43,314	2,805	530	115	143,234	38,491	1,260,512	315,821
Wyoming.....	6	5	12,280	2,480	(2)	2	1,680	215	104,259	14,700
Colorado.....	154	137	468,685	198,479	241	497	72,090	65,936	305,719	113,655
New Mexico.....	8	5	31,121	4,442	24	32	9,182	5,733	253,822	31,268
Arizona.....	6	2	11,177	235	18	14	4,535	2,914	45,312	48,877
Utah.....	20	14	81,116	34,173	577	236	188,455	120,648	6,730	13,525
Nevada.....	1	(1)	1,620	25	(3)	5	493	65	42,748	23,833
<b>PACIFIC:</b>										
Washington.....	340	34	518,236	50,450	1,342	155	526,681	28,699	3,754,293	1,002,126
Oregon.....	130	58	268,833	95,872	2,168	1,014	783,020	151,498	2,889,991	1,300,724
California.....	1,013	672	1,388,513	580,646	4,803	2,914	2,212,788	558,329	2,949,732	1,724,378

<sup>1</sup> Less than 1 acre.

<sup>2</sup> Includes Indian Territory.

<sup>3</sup> Reported in small fractions.





## CHAPTER 14.

### IRRIGATION AND IRRIGATED CROPS.

**Introduction.**—This chapter contains, in condensed form, the principal data regarding irrigation derived from the Thirteenth Decennial Census, taken in the year 1910.

An amendment to the Thirteenth Census act, approved February 25, 1910, contained the following clause relating to irrigation:

Inquiries shall also be made as to the location and character of irrigation enterprises, quantity of land irrigated in the arid region of the United States and in each state and county in that section under state and Federal laws; the price at which these lands, including water rights, are obtainable; the character and value of crops produced on irrigated lands, the amount of water used per acre for said irrigation and whether it was obtainable from national, state, or private works; the location of the various projects and methods of construction, with facts as to their physical condition; the amount of capital invested in such irrigation works.

As the Office of Experiment Stations of the United States Department of Agriculture employs a corps of state irrigation agents, an arrangement was made by which these state irrigation agents cooperated in the supervision in their respective states of the work of the special agents of the Bureau of the Census in collecting statistics of irrigation.

The information called for by this law which could be supplied by farm operators was obtained on supplemental schedules by the regular census enumerators as a part of the agricultural census. The remaining data, which were supplied by the owners or officials of irrigation enterprises, were obtained on special schedules by the special agents. The data relating to crops presented here were taken from the supplemental schedules filled out by the agricultural enumerators. With the exception of the statistics as to the number of farms irrigated, which were obtained as explained on the following page, all the other data presented here were taken from the special schedules.

The law relating to the special irrigation census, quoted above, provided that the inquiry should cover the "arid region of the United States." For the purposes of this report the "arid region" has been held to include all sections of the United States where irrigation is generally practiced in the growing of farm crops. As defined in this way, the "arid region" includes the western parts of the tier of states formed by

the Dakotas, Nebraska, Kansas, Oklahoma, and Texas, and all of the states between these and the Pacific Ocean. In parts of this great territory there is abundant rainfall; but in each of the states comprised in it there are considerable sections, and in some very extensive areas, where farming is largely dependent upon irrigation.

The special inquiry was also extended to the rice growing districts of Louisiana, Texas, and Arkansas, but the rice district has been treated separately in this report. (See p. 431.)

In accordance with the law, the enterprises have been classified primarily according to their legal status—that is, according to the state or Federal laws by virtue of which they were created, or according to other features of their legal and economic form. The types of enterprises distinguished are as follows:

**United States Reclamation Service enterprises**, established under the Federal law of June 17, 1902, providing for the construction of irrigation works with the receipts from the sale of public lands.

**United States Indian Service enterprises**, established under various acts of Congress providing for the construction by that service of works for the irrigation of land in Indian reservations.

**Carey Act enterprises**, established under the Federal law of August 18, 1894, granting to each of the states in the arid region 1,000,000 acres of land on condition that the state provide for its irrigation, and under amendments to that law granting additional areas to Idaho and Wyoming.

**Irrigation districts**, which are public corporations established under state laws and empowered to issue bonds and levy and collect taxes for the purchase or construction of irrigation works.

**Cooperative enterprises**, which are controlled by the water users combined in some organized form of cooperation under state laws. The most common form of organization is the stock company, the stock of which is owned by the water users. In Arizona and New Mexico many of the cooperative enterprises are operated under laws regulating "community" ditches.

**Individual and partnership enterprises**, which belong to individual farmers, or to groups of farmers associated without formal organization. It is not always possible to distinguish between partnership and cooperative enterprises; but as the difference is slight this is unimportant.

**Commercial enterprises**, incorporated or otherwise, which supply water for compensation to parties who own no interest in the works. Persons obtaining water from such enterprises are usually required to pay for the right to receive water and to pay, in addition, annual charges based in some instances on the acreage irrigated and in others on the quantity of water received.

## THE ARID REGION AS A WHOLE.

**Summary.**—Table 1 summarizes the principal data for the arid region as a whole as returned at the census of 1910, and includes corresponding data for the preceding census as far as available. Unless otherwise indicated the figures relate to the year in which the census was taken. In the reports of the censuses of 1900 and 1890 data relating to irrigation on Indian reservations were excluded from the totals for the arid region, but for the later census they are included. Since the acreage which was irrigated on Indian reservations in 1909 was only 172,912, or 1.3 per cent of the total acreage reported as irrigated, it has not been deemed advisable to eliminate the figures for Indian reservations in making comparisons between the different censuses. The general agricultural statistics given in the table for purposes of comparison cover the entire areas of the states included in the arid region, as defined on the preceding page, although in some of the states the territory which requires no irrigation vastly exceeds the irrigated territory.

The number of farms irrigated is the number of farms on which irrigation is practiced, regardless of the extent of such irrigation, and is equivalent to the term "number of irrigators" used in previous census reports. The number given for 1909 is made up of the number reported on the supplemental agricultural schedules by

the regular enumerators, together with an estimate of the number of farms served by enterprises which were reported by special agents but not by the regular enumerators. The reports of the special agents stated only the acreage supplied by such enterprises, and the number of farms was estimated on the basis of the average acreage irrigated per farm, as shown by the supplemental schedules.

The acreage irrigated in 1909 is that reported by the special agents from information secured from owners or officials of irrigation enterprises or, in some instances, from public records. This acreage is probably in some measure an overstatement. There is a natural tendency for the officials of irrigation enterprises to report as irrigated the entire areas of farms of which only a part is irrigated. Furthermore, some farms receive water from more than one enterprise, and may be reported as irrigated by each, which results in duplication. It is believed, however, that the acreage given is within 10 per cent of the correct figure. In addition to information as to the acreage irrigated in 1909 data were collected as to the acreage the enterprises were capable of supplying with water in 1910 and the total acreage which enterprises completed or under way in 1910 were designed to supply ultimately (designated as "acreage included in projects").

Table 1	CENSUS OF—		INCREASE.	
	1910	1900	Amount.	Per cent.
Number of farms <sup>1</sup> .....	1, 440, 822	1, 095, 675	345, 147	31. 5
Approximate land area <sup>1</sup> .....acres..	1, 161, 385, 600	1, 161, 385, 600		
Land in farms <sup>1</sup> .....acres..	388, 606, 991	348, 780, 221	39, 826, 770	11. 4
Improved land in farms <sup>1</sup> .....acres..	173, 433, 957	119, 709, 592	53, 724, 365	44. 9
Number of farms irrigated.....	<sup>2</sup> 158, 713	<sup>3</sup> 107, 489	51, 224	47. 7
Acreage irrigated.....	<sup>2</sup> 13, 738, 485	<sup>3</sup> 7, 518, 527	6, 219, 958	82. 7
Acreage enterprises were capable of irrigating.....	19, 334, 697	( <sup>4</sup> )		
Acreage included in projects.....	31, 111, 142	( <sup>4</sup> )		
Number of enterprises.....	54, 700	( <sup>4</sup> )		
Total length of ditches.....miles..	125, 591	( <sup>4</sup> )		
Length of main ditches.....miles..	87, 529	( <sup>4</sup> )		
Length of lateral ditches.....miles..	38, 062	( <sup>4</sup> )		
Number of reservoirs.....	6, 812	( <sup>4</sup> )		
Capacity of reservoirs.....acre-feet..	12, 581, 129	( <sup>4</sup> )		
Number of flowing wells.....	5, 070	( <sup>4</sup> )		
Number of pumped wells.....	14, 558	( <sup>4</sup> )		
Number of pumping plants.....	13, 906	( <sup>4</sup> )		
Capacity of power plants.....horsepower..	243, 435	( <sup>4</sup> )		
Acreage irrigated with pumped water.....	<sup>2</sup> 477, 625	( <sup>4</sup> )		
Acreage irrigated from flowing wells.....	<sup>2</sup> 144, 400	( <sup>4</sup> )		
Cost of irrigation enterprises.....	\$307, 866, 369	<sup>5</sup> \$66, 962, 275	\$240, 904, 094	359. 8
Average cost per acre.....	<sup>6</sup> \$15. 92	<sup>7</sup> \$8. 91	( <sup>8</sup> )	
Average cost of operation and maintenance, per acre.....	<sup>2</sup> \$1. 07	<sup>2</sup> \$0. 38	\$0. 63	181. 6

<sup>1</sup> Figures relate to entire areas of states in the arid region, the figures for 1900 including Indian Territory.

<sup>2</sup> Cost of systems operated in 1899.

<sup>3</sup> In 1909.

<sup>4</sup> Not reported.

<sup>5</sup> Based on cost to July 1, 1910, and acreage enterprises were capable of irrigating in 1910.

<sup>6</sup> Based on cost to July 1, 1910.

<sup>7</sup> Figures not comparable. (See explanation in text.)

<sup>8</sup> Figures not comparable. (See explanation in text.)

The number of farms on which irrigation was practiced, for purposes other than rice growing, in 1909 in the states of the arid region was 158,713, or 11 per cent of the total number of farms in the same states.

While the total number of farms in this region, including the entire area of states in which irrigation is practiced in the western part, increased 31.5 per cent between 1900 and 1910, the number of farms on

which irrigation was practiced increased 47.7 per cent between 1899 and 1909, the irrigated farms forming a larger percentage of all farms in 1909 than in 1899. The acreage reported as irrigated in 1909 was 13,738,485, which constitutes 1.2 per cent of the total land area of the same states, 3.5 per cent of the total land in farms, and 7.9 per cent of the improved land in farms. There was an increase of 82.7 per cent in such acreage between 1899 and 1909, a rate of increase much higher than that in the number of farms irrigated, the average irrigated acreage per farm being greater for 1909 than for 1899.

The acreage to which enterprises were ready to supply water in 1910 was 19,334,697, or 5,596,212 acres in excess of the acreage irrigated in 1909, while the acreage included in all projects in 1910, whether completed or in process of development, was 31,111,142, or 17,372,657 acres greater than the acreage reported as irrigated in 1909.

The total length of ditches used for irrigation in 1910 was 125,591 miles. There were 6,812 reservoirs hav-

ing a combined capacity of 12,581,129 acre-feet, or nearly 1 acre-foot of reservoir capacity for each acre irrigated from any source in 1909. The number of pumping plants reported was 13,906 and the acreage supplied by them 477,625.

The total cost of irrigation enterprises to July 1, 1910, was \$307,866,369, or \$15.92 per acre of the land which these enterprises were capable of supplying with water in 1910. The increases in the items relating to cost are the most conspicuous shown. The total cost of irrigation enterprises increased between 1900 and 1910 by 359.8 per cent, and the average cost per acre covered increased also, although much less in degree. (As to the comparability of the figures for this item, however, see the discussion of this subject following Table 12.) The average cost of operation and maintenance per acre of land irrigated for the year 1909 shows also a large increase—181.6 per cent—over the cost shown for 1899. It is believed, however, that the cost shown for 1899 is not properly comparable with that for 1909.

### FARMS AND ACREAGE IRRIGATED.

**Number of farms irrigated.**—Table 2 gives, by states, the number of farms irrigated in 1909, 1899, and 1889, together with the decennial rates of increase.

STATE.	1909	1899	1889	Increase. <sup>1</sup>		
				1899-1909		1889-1899
				Number.	Per cent.	Per cent.
<b>Total</b> .....	<b>158,713</b>	<b>107,489</b>	<b>54,136</b>	<b>51,224</b>	<b>47.7</b>	<b>88.6</b>
Arizona.....	4,841	2,981	1,075	1,860	62.4	177.3
California.....	39,352	25,611	13,732	13,741	53.7	86.5
Colorado.....	25,857	17,613	9,659	8,244	46.8	82.3
Idaho.....	16,439	8,987	4,323	7,452	82.9	107.9
Kansas.....	1,006	929	519	77	8.3	79.0
Montana.....	8,970	8,043	3,706	927	11.5	117.0
Nebraska.....	1,852	1,932	214	-80	-4.1	802.8
Nevada.....	2,406	1,906	1,167	500	26.2	63.3
New Mexico.....	12,795	7,884	3,085	4,911	62.3	155.6
North Dakota.....	69	54	7	15	( <sup>2</sup> )	( <sup>2</sup> )
Oklahoma.....	137	124	.....	13	10.5	.....
Oregon.....	6,669	4,636	3,150	2,033	43.9	47.2
South Dakota.....	500	606	189	-106	-17.5	229.6
Texas.....	4,150	1,252	623	2,898	231.5	101.0
Utah.....	19,709	17,924	9,724	1,785	10.0	84.3
Washington.....	7,664	3,286	1,046	4,378	133.2	214.1
Wyoming.....	6,297	3,721	1,917	2,376	69.2	94.1

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Per cent not calculated when base is less than 100.

<sup>3</sup> Exclusive of farms irrigated for rice growing.

The total number of farms on which irrigation was practiced in 1909 was 158,713. California contained the largest number of such farms, having about one-fourth (24.8 per cent) of the total number, and Colorado the next largest number, nearly one-sixth (16.3 per cent) of the total, while Utah ranked third in this respect, with about one-eighth (12.4 per cent) of the total.

The percentage of increase between 1889 and 1899 in the number of farms irrigated was more than double that during the succeeding decade, but the absolute

increases during the two decades were approximately equal. Nebraska showed the largest percentage of increase during the former period and Texas during the latter period, but in neither state is the actual number of irrigated farms large. In Nebraska and South Dakota there were decreases between 1899 and 1909. The largest absolute increase in both decades was in California. In the period 1899 to 1909 the next largest increase was in Colorado, and in the period 1889 to 1899 in Utah.

**Acreage irrigated.**—Table 3 gives, by states, the acreage irrigated in the arid region in 1909, 1899, and 1889, respectively, with the percentage of increase in each decade.

STATE.	1909	1899	1889	Increase.		
				1899-1909		1889-1899
				Amount.	Per cent.	Per cent.
<b>Total</b> .....	<b>13,738,485</b>	<b>7,518,527</b>	<b>3,631,381</b>	<b>6,219,958</b>	<b>82.7</b>	<b>107.0</b>
Arizona.....	320,051	185,296	65,821	134,655	72.6	181.7
California.....	2,664,104	1,445,872	1,004,233	1,218,232	84.3	44.0
Colorado.....	2,792,032	1,611,271	890,735	1,180,761	73.3	80.9
Idaho.....	1,430,848	602,568	217,065	828,280	137.5	177.7
Kansas.....	37,479	29,620	20,815	18,859	58.7	15.5
Montana.....	1,679,084	951,154	350,582	727,930	76.5	171.3
Nebraska.....	255,930	148,538	11,744	107,412	72.3	1,164.8
Nevada.....	701,833	504,168	224,403	197,665	39.2	124.7
New Mexico.....	441,718	203,893	91,743	257,825	126.5	122.2
North Dakota.....	10,248	4,872	445	5,376	110.3	994.8
Oklahoma.....	4,388	2,759	.....	1,629	59.0	.....
Oregon.....	686,129	388,310	177,944	297,819	76.7	118.2
South Dakota.....	63,248	43,076	15,717	19,572	44.8	177.9
Texas.....	164,293	40,952	18,241	123,331	301.2	124.5
Utah.....	999,410	629,293	263,473	376,117	58.8	138.8
Washington.....	334,378	120,307	48,799	208,071	164.7	158.8
Wyoming.....	1,133,302	605,878	229,076	577,424	87.1	165.8

<sup>1</sup> Exclusive of land irrigated for rice growing.

The total acreage reported as irrigated in 1909 was 13,738,485, an increase of 6,219,958 acres, or 82.7 per cent, as compared with 1899. The increase in the preceding decade was 3,887,146 acres, or 107 per cent.

In total acreage irrigated California ranked first in 1899, Colorado second, and Montana third. In both 1899 and 1909 Colorado reported the largest irrigated acreage, while California and Montana were second and third, respectively. Idaho followed closely in 1909. From 1899 to 1909 California showed the largest absolute increase, followed by Colorado, Idaho,

and Montana in the order named. In percentage of increase for this decade, however, Texas ranked first, Washington second, Idaho third, and New Mexico fourth.

**Acreage irrigated in 1909, acreage enterprises were capable of irrigating in 1910, and acreage included in projects.**—In Table 4 data as to the acreage irrigated in 1909, the acreage enterprises were capable of irrigating in 1910, and the acreage included in projects are presented, with classification according to the type of enterprise.

Table 1

Table 1	ALL CLASSES OF ENTERPRISES.			U. S. RECLAMATION SERVICE.			U. S. INDIAN SERVICE.		CAREY ACT ENTERPRISES.				
	STATE.	Acreage irrigated in 1909.	Acreage enter-prises were capable of irrigating in 1910.	Acreage included in projects.	Acreage irrigated in 1909.	Acreage enter-prises were capable of irrigating in 1910.	Acreage included in projects.	Acreage irrigated in 1909.	Acreage enter-prises were capable of irrigating in 1910.	Acreage included in projects.	Acreage irrigated in 1909.	Acreage enter-prises were capable of irrigating in 1910.	Acreage included in projects.
Total		13,738,485	19,334,697	31,111,142	395,646	786,190	1,973,016	172,912	376,576	879,068	238,553	1,089,677	2,573,974
Arizona		320,051	387,655	944,090	138,364	164,500	370,000	19,386	20,974	36,017			
California		2,664,104	3,619,578	5,490,340	400	1,200	14,200	3,490	3,490	3,800			
Colorado		2,792,032	3,990,166	5,917,457	16,400	30,000	193,000	1,020	2,020	20,620	485	6,085	59,480
Idaho		1,430,848	2,388,959	3,549,573	47,500	113,000	295,000	3,426	21,540	51,540	162,418	742,618	1,098,664
Kansas		37,479	139,995	161,300	6,953		10,677						
Montana		1,679,084	2,205,155	3,515,602	14,077	85,245	113,744	67,417	114,340	440,940	9,648	49,500	306,997
Nebraska		255,950	429,225	680,133	30,536	66,241	107,520	300	300	600			
Nevada		701,833	840,962	1,232,142	30,000	90,185	216,185	2,597	3,381	18,060			
New Mexico		461,718	644,970	1,102,297	13,398	21,467	30,267	24,607	24,743	37,455			16,000
North Dakota		10,248	21,917	38,173	1,610	12,096	24,480						
Oklahoma		4,388	6,397	8,528									
Oregon		186,129	830,526	2,527,208	22,000	45,319	185,000	429	439	879	24,750	65,500	623,264
South Dakota		63,248	128,481	201,625	5,613	47,568	101,967	50	70	100			
Texas <sup>1</sup>		164,283	340,641	753,699				11,520	86,000	106,000	5,000	20,000	43,000
Utah		999,410	1,250,246	1,947,625	7,505	74,500	143,096	35,000	50,000	100,000			
Washington		334,578	470,511	817,032	55,699	74,500	143,096	35,000	50,000	100,000			
Wyoming		1,133,392	1,639,510	2,224,298	12,905	34,869	167,880	4,270	48,699	63,657	86,252	205,974	426,472
		IRRIGATION DISTRICTS.			COOPERATIVE ENTERPRISES.		INDIVIDUAL AND PARTNERSHIP ENTERPRISES.		COMMERCIAL ENTERPRISES.				
STATE	Acreage irrigated in 1909.	Acreage enter-prises were capable of irrigating in 1910.	Acreage included in projects.	Acreage irrigated in 1909.	Acreage enter-prises were capable of irrigating in 1910.	Acreage included in projects.	Acreage irrigated in 1909.	Acreage enter-prises were capable of irrigating in 1910.	Acreage included in projects.	Acreage irrigated in 1909.	Acreage enter-prises were capable of irrigating in 1910.	Acreage included in projects.	
Total	528,642	800,451	1,561,465	4,643,539	6,191,577	8,830,197	6,257,387	7,666,110	10,153,545	1,451,806	2,424,116	5,119,977	
Arizona				101,025	120,559	360,639	61,196	81,422	175,834	80	200	1,000	
California	173,793	294,108	606,351	779,020	984,570	1,388,435	961,136	1,311,951	1,512,511	746,265	1,204,059	1,965,063	
Colorado	115,304	207,570	487,570	1,273,141	1,870,447	2,436,367	1,226,025	1,581,941	2,039,533	159,457	292,103	681,087	
Idaho	140,930	177,900	329,796	673,102	782,663	993,746	465,600	676,568	766,508	44,872	67,352	104,322	
Kansas				27,372	135,200	144,200	3,154	4,795	6,423				
Montana	412	6,640	6,640	333,926	373,022	518,269	1,191,060	1,395,513	1,982,220	62,544	80,895	146,852	
Nebraska	76,448	77,228	91,676	78,005	168,270	240,069	45,227	64,472	80,305	24,834	52,724	154,023	
Nevada				78,966	88,255	129,269	581,406	649,841	844,128	8,864	9,300	21,500	
New Mexico			16,400	251,911	355,327	482,654	144,212	185,283	295,171	28,190	58,150	224,550	
North Dakota							8,638	9,821	13,693				
Oklahoma				2,000	3,000	3,500	2,388	3,397	5,028				
Oregon	1,500	1,500	5,980	149,985	169,944	399,632	410,078	454,074	619,986	77,387	93,750	692,467	
South Dakota				13,601	18,243	22,087	37,684	55,830	69,971	6,300	6,800	6,000	
Texas <sup>1</sup>				41,186	75,011	146,795	49,637	65,286	104,044	73,440	200,344	502,800	
Utah	8,455	8,455	10,802	687,260	790,855	1,259,351	222,448	257,266	376,362	64,727	87,070	151,970	
Washington				81,122	90,805	115,410	95,653	117,145	192,310	66,911	138,064	266,210	
Wyoming	11,800	27,050	27,050	116,317	165,476	189,894	813,823	1,024,137	1,153,578	87,905	133,305	195,967	

<sup>1</sup> Exclusive of land irrigated for rice growing.

The enterprises were reported in 1910 as capable of irrigating 19,334,697 acres, which is 5,596,212 acres in excess of the acreage actually irrigated in 1909. This excess shows the extent to which the irrigated area can be enlarged without the construction of additional works. It does not, however, represent land available for settlement in the latter year, as much of the land that was under ditch in 1910 but not irri-

gated in 1909 was already taken up, being in farms not completely under cultivation. The excess acreage lies principally in Colorado, Idaho, California, Montana, and Wyoming, these states ranking in the order named in this respect.

The acreage included in projects which were either completed or under way July 1, 1910, as reported by the various enterprises—31,111,142—was 17,372,657

acres greater than the acreage irrigated in 1909. The figure would indicate the amount by which the irrigated acreage may be extended upon the completion of existing enterprises, were it not probable that the owners of these enterprises in some cases have overestimated what they can accomplish. It is certain, however, that much additional land will later be provided with a water supply by works that were in process of construction in 1910. The amount of excess of the acreage included in projects over that irrigated in 1909 is also greatest in the states named in the preceding paragraph and in Oregon.

Table 5 shows by percentages the relative importance of the several classes of enterprises as judged by acreage.

CLASS OF ENTERPRISE.	PER CENT OF TOTAL FOR ARID REGION.		
	Acreage irrigated in 1909.	Acreage enterprises were capable of irrigating in 1910.	Acreage included in projects.
All classes.....	100.0	100.0	100.0
U. S. Reclamation Service.....	2.9	4.1	6.3
U. S. Indian Service.....	1.3	1.9	2.8
Carey Act enterprises.....	2.4	5.6	8.3
Irrigation districts.....	3.8	4.1	5.1
Cooperative enterprises.....	33.8	32.0	28.4
Individual and partnership enterprises.....	45.5	39.6	32.6
Commercial enterprises.....	10.6	12.5	16.5

Nearly one-half (45.5 per cent) of the acreage irrigated in 1909 was served by individual and partnership enterprises, and about one-third (33.8 per cent) by

cooperative enterprises, which are controlled by the water users. Irrigation districts, which served 3.8 per cent, are also controlled by the water users. Thus about 83 per cent of the acreage irrigated in 1909 received a water supply from works controlled by the water users. United States Reclamation Service and Carey Act enterprises, which irrigated 2.9 per cent and 2.1 per cent, respectively, of this total acreage, are to be turned over to the water users when the rights are paid for, and many of the commercial enterprises are operating under a similar arrangement.

**Acreage irrigated, classified by source of water supply.**—In Table 6 the acreage irrigated in the arid region in 1909 is classified according to the source of the water supply. Where a supply is received from more than one source, the land is classified under the source from which the principal supply is derived. In the aggregate considerable areas are supplied with water from more than one source. Thus, in California, large areas receive water both by gravity diversion from streams and by pumping from wells, while in Texas some of the newer canals on the Rio Grande receive water by gravity when the river is high and by pumping when the river is low. In both instances most of this land is classed with the acreage that received water by gravity from streams. The only reservoirs which are treated as independent sources of supply are those filled by collecting storm water or from watercourses which are ordinarily dry. When reservoirs are filled from streams or wells, the primary source is considered the source of supply.

Table 6

Table 6	ACREAGE IRRIGATED IN 1909.										
	STATE.	Total.	Supplied from—								Total irrigated with pumped water.
			Streams.		Wells.		Reservoirs.	Lakes.		Springs.	
			By gravity.	By pumping.	Flowing.	By pumping.		By gravity.	By pumping.		
Total .....	13,738,485	12,763,797	157,775	144,400	307,496	98,193	58,284	12,354	196,188	477,625	
Arizona.....	320,051	300,067	7,711	1,489	6,096	487	570	—	3,631	13,807	
California.....	2,664,104	2,216,737	29,965	74,128	276,395	16,410	15,896	2,574	31,779	309,134	
Colorado.....	2,792,032	2,746,035	13,248	5,171	3,111	16,494	422	624	8,330	16,968	
Idaho.....	1,430,848	1,383,718	18,685	1,172	705	732	4,022	1,335	19,679	20,925	
Kansas.....	37,479	35,469	20	2	1,959	2	—	—	27	1,979	
Montana.....	1,679,084	1,624,656	7,963	207	55	22,614	5,617	5	17,967	8,023	
Nebraska.....	255,950	254,105	18	—	139	1,002	—	—	686	157	
Nevada.....	701,833	661,299	463	150	37	138	500	466	38,840	906	
New Mexico.....	461,718	397,059	1,533	48,877	5,952	1,272	862	—	6,163	7,485	
North Dakota.....	10,248	7,153	1,614	—	1	1,280	—	—	200	1,615	
Oklahoma.....	4,388	4,205	30	—	69	—	28	—	16	119	
Oregon.....	686,129	643,281	3,385	655	845	3,279	22,915	821	10,788	5,211	
South Dakota.....	63,248	47,122	540	1,448	8	13,535	269	—	395	548	
Texas <sup>1</sup> .....	164,283	75,496	59,196	3,710	6,152	6,203	63	295	13,068	65,643	
Utah.....	999,410	954,880	2,559	4,100	309	568	1,671	—	35,412	2,559	
Washington.....	354,578	301,341	9,085	3,227	5,437	299	4,698	6,084	4,907	20,968	
Wyoming.....	1,133,302	1,112,234	1,540	64	5	14,261	120	—	5,068	1,615	

<sup>1</sup> Exclusive of land irrigated for rice growing.

More than nine-tenths (92.9 per cent) of the acreage irrigated in 1909 was supplied with water by gravity diversion from streams, and, including cases where water was pumped, streams constituted the source of supply for 94.1 per cent of the total acreage irrigated. Wells supplied the next largest acreage, 3.3 per cent of the total, about one-third of this acreage being watered

by flowing wells. Springs furnished the supply for 1.4 per cent of the total acreage irrigated, and reservoirs and lakes each for less than 1 per cent. Of the total acreage irrigated from wells, California contained 77.6 per cent, and New Mexico 12.1 per cent. In the case of the other sources of supply the acreage irrigated was more generally distributed among the states.

## IRRIGATION WORKS.

Number of enterprises and number and length of ditches.—Table 7 shows the number of irrigation enterprises, and the number and length of main and lateral ditches, respectively, reported in 1910. It should be borne in mind that some lateral ditches are much larger than some main ditches, and that the distinction is more or less arbitrary.

Table 7

STATE.	Number of enterprises.	DITCHES.					
		Number.			Length (miles).		
		Total.	Main ditches.	Laterals.	Total.	Main ditches.	Laterals.
<b>Total.....</b>	<b>54,700</b>	<b>81,837</b>	<b>45,729</b>	<b>36,117</b>	<b>125,591</b>	<b>87,529</b>	<b>38,062</b>
Arizona.....	1,269	1,204	891	313	2,597	1,727	870
California.....	13,970	14,733	8,590	6,143	21,129	12,620	8,509
Colorado.....	9,065	14,017	8,405	5,612	22,570	17,564	5,006
Idaho.....	3,092	6,568	3,209	3,359	12,759	7,662	5,097
Kansas.....	716	128	89	39	316	274	42
Montana.....	5,534	14,980	6,673	8,307	18,934	12,990	5,944
Nebraska.....	474	1,458	420	1,038	2,728	1,459	1,269
Nevada.....	1,347	2,525	994	1,531	3,151	1,938	1,213
New Mexico.....	2,786	3,381	2,101	1,280	4,664	4,664	1,190
North Dakota.....	49	93	47	46	126	52	74
Oklahoma.....	114	153	47	106	85	54	31
Oregon.....	3,745	6,100	3,582	2,518	7,591	5,539	2,052
South Dakota.....	395	680	348	332	1,236	631	625
Texas <sup>1</sup> .....	2,161	1,252	636	616	1,663	941	722
Utah.....	2,472	3,852	2,495	1,357	7,709	5,887	1,822
Washington.....	1,034	2,730	1,500	1,230	3,892	2,594	1,298
Wyoming.....	5,577	7,933	5,593	2,340	13,231	10,933	2,298

<sup>1</sup> Exclusive of enterprises supplying water for the irrigation of rice.

Reservoirs.—Table 8 gives, by states, the number and capacity of reservoirs used for irrigation in 1910. The acre-foot, used to express capacity, is the quantity of water required to cover 1 acre to the depth of 1 foot, or 43,560 cubic feet. Most of these reservoirs are filled from streams during flood season and in the winter, the stored water being used in the late summer on land which receives its earlier supply by gravity diversion from streams. Some, however, store storm water flowing in drainage channels which are ordinarily dry.

Table 8

STATE.	RESERVOIRS.	
	Number.	Capacity (acre-feet).
<b>Total.....</b>	<b>6,812</b>	<b>12,561,129</b>
Arizona.....	402	1,349,938
California.....	1,583	743,269
Colorado.....	1,084	2,646,393
Idaho.....	245	1,742,303
Kansas.....	42	31,024
Montana.....	827	580,291
Nebraska.....	44	2,698
Nevada.....	109	325,953
New Mexico.....	522	454,162
North Dakota.....	22	132,187
Oklahoma.....	11	22
Oregon.....	271	1,024,206
South Dakota.....	314	216,205
Texas <sup>1</sup> .....	288	72,051
Utah.....	480	538,317
Washington.....	156	121,543
Wyoming.....	114	2,550,937

<sup>1</sup> Exclusive of reservoirs supplying water for the irrigation of rice.

Wells.—Table 9 shows the number and capacity of flowing and pumped wells used for irrigation in 1910. The capacities reported are estimates made by the owners, and are often not very accurate, as few well owners have facilities for measuring the discharge of wells. In the case of pumped wells many of the statements of capacity are based on the estimated pump capacity, the capacity of the wells themselves never having been tested.

Table 9

STATE.	WELLS.			
	Flowing.		Pumped.	
	Number.	Capacity (gallons per minute).	Number.	Capacity (gallons per minute).
<b>Total.....</b>	<b>5,070</b>	<b>1,345,596</b>	<b>14,658</b>	<b>6,426,139</b>
Arizona.....	214	9,953	470	765,921
California.....	2,361	477,343	10,724	4,119,375
Colorado.....	313	41,989	121	53,564
Idaho.....	62	7,200	24	2,826
Kansas.....	3	30	939	73,362
Montana.....	15	22,185	10	5,263
Nebraska.....	19	1,862	66	3,363
Nevada.....	673	669,268	6	1,349
New Mexico.....	19	669,268	466	150,590
North Dakota.....	—	—	1	15
Oklahoma.....	—	—	65	1,791
Oregon.....	51	3,085	92	20,889
South Dakota.....	42	14,382	4	24
Texas <sup>1</sup> .....	122	36,939	1,412	121,631
Utah.....	1,135	42,794	27	4,827
Washington.....	55	18,926	128	60,220
Wyoming.....	2	250	3	835

<sup>1</sup> Exclusive of wells supplying water for the irrigation of rice.

Pumping plants.—Table 10 gives the number of pumping plants used for irrigation in 1910, with the capacities of power plants and pumps. The capacities are given as reported by the owners, and in most cases represent the rated capacities claimed by the manufacturers of the apparatus, which are probably in excess of the capacities obtained in use under ordinary field conditions.

Table 10

STATE.	PUMPING PLANTS.		
	Number.	Capacity of power plants (horse-power).	Capacity of pumps (gallons per minute).
<b>Total.....</b>	<b>13,906</b>	<b>243,435</b>	<b>9,947,909</b>
Arizona.....	429	37,258	851,873
California.....	9,297	128,143	5,276,298
Colorado.....	296	7,969	286,037
Idaho.....	58	7,063	278,869
Kansas.....	698	1,517	128,276
Montana.....	125	3,511	281,199
Nebraska.....	75	140	5,366
Nevada.....	18	693	24,295
New Mexico.....	413	14,226	216,355
North Dakota.....	4	2,638	182,115
Oklahoma.....	68	107	4,541
Oregon.....	229	3,095	118,514
South Dakota.....	8	63	5,289
Texas <sup>1</sup> .....	1,784	20,915	1,455,285
Utah.....	69	2,143	315,057
Washington.....	394	13,847	365,417
Wyoming.....	34	705	132,329

<sup>1</sup> Exclusive of plants supplying water for the irrigation of rice.

## COST.

Table 11 gives, by states, the total cost of irrigation enterprises in the arid region as reported at the Eleventh, Twelfth, and Thirteenth Censuses, and also the

estimated final cost of enterprises which were either completed or under way on July 1, 1910, the date of the census of irrigation of 1910,

Table 11

Table 11	COST OF IRRIGATION ENTERPRISES.							
	STATE.	1910		1899	1889	Increase.		
		Estimated final cost.	Cost to July 1.			1899-1910 <sup>1</sup>		1889-1899
						Amount.	Per cent.	Per cent.
Total.....	\$424,281,186	\$307,866,369	\$66,962,275	\$29,611,000	\$240,904,094	359.8	126.1	
Arizona.....	24,828,868	17,677,966	4,438,352	465,000	13,239,614	298.3	854.5	
California.....	84,392,344	72,580,000	19,181,610	13,005,000	53,398,420	278.4	47.5	
Colorado.....	76,443,239	56,636,443	11,758,703	6,369,000	44,877,740	381.7	84.6	
Idaho.....	88,451,166	40,977,688	5,120,399	1,029,000	35,857,289	700.3	397.6	
Kansas.....	1,365,563	1,365,563	529,755	( <sup>2</sup> )	835,808	157.8	.....	
Montana.....	32,382,077	22,970,958	4,683,073	1,623,000	18,287,885	390.5	188.5	
Nebraska.....	9,485,231	7,798,510	1,310,698	( <sup>2</sup> )	6,487,612	495.0	.....	
Nevada.....	12,188,756	6,721,924	1,537,559	1,251,000	5,184,365	337.2	22.9	
New Mexico.....	11,640,091	9,154,897	4,165,312	512,000	4,989,585	119.8	713.5	
North Dakota.....	836,482	836,482	16,980	( <sup>2</sup> )	819,502	4,826.3	.....	
Oklahoma.....	47,200	47,200	21,872	.....	25,328	116.8	.....	
Oregon.....	39,216,619	12,760,214	1,843,771	826,000	10,916,443	592.1	123.2	
South Dakota.....	3,800,559	3,045,140	284,747	( <sup>2</sup> )	2,758,393	968.7	.....	
Texas.....	8,613,533	7,346,708	705,608	( <sup>2</sup> )	6,641,100	941.2	.....	
Utah.....	17,840,775	14,028,717	5,865,362	2,780,000	8,163,415	139.2	111.0	
Washington.....	22,322,856	16,219,149	1,525,369	197,000	14,603,780	963.3	67.3	
Wyoming.....	26,425,890	17,700,980	3,973,165	1,281,000	13,727,815	345.5	210.2	

<sup>1</sup> Increase computed on the basis of the cost to July 1, 1910.

<sup>2</sup> Includes \$275,000 for Kansas, Nebraska, North Dakota, South Dakota, and Texas, which are not shown separately in the report of the census of 1890, these five states being grouped under the designation of "subhumid region."

<sup>3</sup> Separate figures not available.

<sup>4</sup> Exclusive of enterprises supplying water for the irrigation of rice.

The cost of irrigation enterprises up to July 1, 1910, as reported at the Thirteenth Census, includes the cost of construction, the cost of acquiring rights, and any added costs incident to construction, such as the purchase of land for rights of way, the building of structures for use in operation and maintenance, and engineering and legal expenses. For all of the larger enterprises the cost is that given by the owners, but it is probable that in many cases this is estimated rather than taken from actual accounts. For some of the smaller enterprises the cost was estimated by the special agents of the Census Bureau, and in the case of some schedules received by mail the cost has been estimated in the bureau on the basis of the average cost per acre for other enterprises of the same class in the same vicinity. Many of the smaller ditches were built a number of years ago by their owners without the expenditure of much, if any, money, and many of these have since changed hands. In such cases the cost given by the present owners is only a rough estimate. The data as to cost reported for 1899 and 1889 are probably somewhat less accurate than those for 1910. The figure for cost given in the Twelfth Census report is designated as the "cost of construction of systems operated in 1899." The figure for cost at the Eleventh Census is an estimate consisting of the sum of the amounts obtained by multiplying the acreage irrigated by the average first cost per acre of obtaining water, or of water rights, as given by the irrigators. Although not specifically stated in the reports for the

previous censuses, it is probable that the figures there given include the same items represented in the figure for cost in 1910.

The total cost of irrigation enterprises up to July 1, 1910, was reported as \$307,866,369, which represents an increase of \$240,904,094, or 359.8 per cent over the cost reported at the census of 1900. In no state in the arid region was the increase in cost for this period less than 100 per cent, the highest percentage of increase being in North Dakota and the lowest in Oklahoma. With respect to absolute increase California ranked first, Colorado second, Idaho third, and Montana fourth. The year 1910 was in the midst of a period of great activity in the construction of irrigation works, and on July 1, 1910, a large number of works were incomplete. The "estimated final cost" reported, \$424,281,186, is the sum of the cost up to July 1 and the estimated cost of completing these unfinished works.

**Average cost per acre.**—Table 12 gives the average cost of irrigation enterprises per acre. The averages for 1889 and 1899 are, with one exception, for the acreage actually irrigated in the respective years. These averages are probably considerably higher than if they had been calculated on the basis of the acreage the enterprises were capable of irrigating. At the Thirteenth Census the average cost per acre has been computed by dividing the cost to July 1, 1910, by the acreage which enterprises were capable of irrigating in 1910. Averages based on the acreage irrigated in 1909 and the cost

to July 1, 1910, are, however, also presented as a rough basis for comparison with the averages for the previous censuses. In addition, averages based on the estimated final cost of enterprises and the acreage which their owners expect finally to be able to supply with water are given. These latter averages would represent most accurately the true cost of providing works to supply water for irrigation, were it not for a more or less general tendency to underestimate cost and overestimate the acreage it will be possible to serve.

**Table 12** AVERAGE COST OF IRRIGATION ENTERPRISES PER ACRE.

STATE.	1910			1899	1889
	Based on cost to July 1, 1910, and acreage enterprises were capable of irrigating in 1910.	Based on cost to July 1, 1910, and acreage irrigated in 1909.	Based on estimated final cost and acreage included in projects.		
<b>Total</b> .....	<b>\$15.92</b>	<b>\$22.41</b>	<b>\$13.64</b>	<b>\$8.91</b>	<b>\$8.15</b>
Arizona.....	45.60	55.23	26.30	23.94	7.07
California.....	20.05	27.24	15.37	13.27	12.95
Colorado.....	14.19	20.29	12.92	7.30	7.15
Idaho.....	17.15	28.64	16.47	13.79	4.74
Kansas.....	9.75	36.44	8.47	22.43	( <sup>2</sup> )
Montana.....	10.42	13.68	9.21	4.92	4.63
Nebraska.....	18.17	30.47	12.35	8.82	( <sup>2</sup> )
Nevada.....	7.99	9.58	9.89	3.05	7.58
New Mexico.....	14.19	19.83	10.56	20.43	5.58
North Dakota.....	38.17	81.62	21.91	3.40	( <sup>2</sup> )
Oklahoma.....	7.38	10.76	5.53	7.93	( <sup>2</sup> )
Oregon.....	15.36	18.60	15.52	4.75	4.64
South Dakota.....	23.69	48.11	18.85	6.52	( <sup>2</sup> )
Texas.....	21.57	44.72	11.43	17.23	( <sup>2</sup> )
Utah.....	11.22	14.04	9.16	9.32	10.55
Washington.....	34.47	48.51	27.32	12.08	4.03
Wyoming.....	10.80	15.62	9.18	6.6	3.62

<sup>1</sup> Based on acreage under ditch in 1899.

<sup>2</sup> Figures for Kansas, Nebraska, North Dakota, South Dakota, and Texas are not shown separately in the report of the census of 1899, these five states being grouped under the designation of "subhumid region." The average for the subhumid region was \$4.07.

<sup>3</sup> Exclusive of land irrigated for rice growing.

The average cost per acre based on the acreage irrigated in 1909 was \$22.41; that based on the acreage enterprises were capable of irrigating in 1910 was \$15.92; and that based on the estimated total cost and the acreage included in projects was \$13.64.

Between 1889 and 1899 there was no marked increase in the average cost of irrigation enterprises per acre of land irrigated, but in 1910 the average cost per acre was very much higher. The chief reason for this is the fact that, naturally, irrigation enterprises were first undertaken where water could be most easily secured and engineering difficulties were least serious. The enterprises undertaken during more recent years have been of necessity on a much larger scale than those built formerly, and, in most cases, of a better and more permanent type of construction. Indeed, much of the cost incurred between 1899 and 1910 was for the im-

provement of existing works, especially by the addition of reservoirs, which did not provide water for new lands, but rather provided a better supply for land already irrigated.

**Average cost per acre, by type of enterprise.**—Table 13 gives the average cost of irrigation enterprises per acre in 1910, computed in the three ways just shown, for each class of enterprises.

**Table 13** AVERAGE COST OF IRRIGATION ENTERPRISES PER ACRE.

CLASS OF ENTERPRISE.	Based on cost to July 1, 1910, and acreage en- terprises were capa- ble of irri- gating in 1910.	Based on cost to July 1, 1910, and acreage irrigated in 1909.	Based on estimated final cost and acre- age in- cluded in projects.
All classes.....	\$15.92	\$22.41	\$13.64
U. S. Reclamation Service.....	67.52	134.17	48.14
U. S. Indian Service.....	12.78	27.83	13.33
Carey Act enterprises.....	30.53	115.30	21.75
Irrigation districts.....	27.37	41.44	20.33
Cooperative enterprises.....	12.89	17.19	10.67
Individual and partnership enterprises.....	7.09	8.69	5.22
Commercial enterprises.....	24.98	41.71	16.79

The highest average cost per acre on each basis is shown for the United States Reclamation Service enterprises, and the next highest in each case for Carey Act enterprises. Irrigation districts ranked third and commercial enterprises fourth, except in one case where the order is reversed. These four classes comprise the large enterprises which are now engaged in developing new lands, and most of their work is of recent date. The works built by individuals or cooperative enterprises, which are smaller and were for the most part built at an earlier period, naturally utilized the sources from which water could be most readily diverted and transported to the land to be irrigated. The larger works of recent date serve land farther from the streams and involve better, more expensive, and more permanent construction, and as a result the average cost per acre is higher than that for the small works.

**Average cost per acre, by size groups.**—The average cost of irrigation works per acre for enterprises classified by size is shown in Table 14. The classification is based on the acreage intended ultimately to be irrigated.

It will be noted that in general the cost per acre irrigated increases with the size of enterprises. This condition is due at least in a considerable measure to the fact already noted that most of the larger enterprises, which are mainly of recent date, have had to seek water more difficult to obtain than that secured by the smaller enterprises, and that they represent a better type of work.



Table 14

	Total.	ENTERPRISES CONTAINING—				
		Less than 25,000 acres.	25,000 to 50,000 acres.	50,000 to 75,000 acres.	75,000 to 100,000 acres.	100,000 acres and over.
Number of enterprises.....	54,700	54,548	74	28	16	34
Acreage:						
Irrigated in 1909.....	13,738,485	11,995,874	832,024	412,685	264,096	833,806
Enterprises were capable of irrigating in 1910.....	19,334,097	14,789,465	1,281,145	728,795	493,514	2,041,778
Included in projects.....	31,111,142	20,632,614	2,430,289	1,623,348	1,369,247	5,125,644
Cost:						
To July 1, 1910.....	\$307,860,369	\$175,308,121	\$23,411,977	\$19,524,778	\$11,420,824	\$75,200,669
Estimated final.....	\$124,281,196	\$207,068,121	\$33,154,836	\$35,537,574	\$21,368,421	\$129,152,234
Average cost per acre based on:						
Acreage irrigated in 1909 and cost to July 1, 1910.....	\$22.41	\$15.38	\$28.14	\$47.31	\$54.90	\$90.19
Acreage enterprises were capable of irrigating in 1910 and cost to July 1, 1910.....	\$15.92	\$11.85	\$18.27	\$26.79	\$29.22	\$36.83
Acreage included in projects and estimated final cost.....	\$13.64	\$10.04	\$13.70	\$20.66	\$16.32	\$25.20

**Operation and maintenance.**—Table 15 gives the average cost per acre for the operation and maintenance of irrigation enterprises in 1909. The inquiry as to this item was not extended to individual and partnership enterprises, for the reason that farmers owning their own ditches usually clean and repair them at odd times without keeping any record of the time or money expended. In the case of some enterprises of other classes, no reports were received. The statistics for cost of operation reported at the two previous censuses, for various reasons, are not fairly comparable with those for 1909, and consequently are not shown in the table.

For the arid region as a whole, the average cost of operation and maintenance per acre irrigated was \$1.07. The abnormal cost shown for North Dakota (\$28.40) relates almost entirely to a single large project which supplied water in 1909 to only a small part of the acreage which it is designed to serve. The lowest average is for Oklahoma (\$0.51 per acre).

Table 15

STATE.	Acreage irrigated in 1909 by enterprises for which cost of operation and maintenance was reported.	REPORTED COST OF OPERATION AND MAINTENANCE IN 1909.	
		Amount.	Average per acre for which cost was reported.
<b>Total.....</b>	<b>6,379,955</b>	<b>\$6,828,433</b>	<b>\$1.07</b>
Arizona.....	230,429	214,358	0.93
California.....	1,308,247	2,169,431	1.54
Colorado.....	1,401,670	1,046,288	0.75
Idaho.....	883,698	569,032	0.63
Kansas.....	34,255	54,595	1.59
Montana.....	394,507	349,652	0.89
Nebraska.....	209,023	227,345	1.09
Nevada.....	88,976	86,110	0.97
New Mexico.....	278,439	377,972	1.36
North Dakota.....	1,610	45,718	28.40
Oklahoma.....	1,969	1,000	0.51
Utah.....	263,855	188,111	0.75
South Dakota.....	26,514	16,288	0.64
Texas <sup>1</sup> .....	109,697	356,240	3.25
Washington.....	689,994	451,283	0.65
Wyoming.....	176,197	240,312	1.36
	221,875	190,648	0.86

<sup>1</sup> Exclusive of enterprises supplying water for the irrigation of rice.

## CROPS.

The returns of crops grown on irrigated land, which were made by the regular enumerators of population and agriculture, are somewhat incomplete, for the reason that, owing to the late date at which the provisions of law regarding the irrigation census were passed, the enumerators could not be as carefully instructed regarding the special irrigation schedules as regarding the regular agricultural schedules. On many of the schedules the agricultural enumerators reported land as irrigated but failed to return separately the crops grown on such land. The total acreage of crops reported as raised on irrigated land formed 52.7 per cent of the total acreage irrigated in 1909; and while part of the remainder was doubtless in pasture, it is evident that part was in crops not reported as grown under irrigation and a part was probably in crops not harvested. Although the totals are thus incomplete, the returns are sufficiently accurate to afford reliable averages of yields and values and to show the relative importance of the various crops.

Table 16 gives, by states, the total acreage and total value of crops reported as irrigated in 1909, with the average value per acre.

Table 16

STATE.	CROPS IRRIGATED IN 1909.		
	Acreage.	Value.	
		Total.	Average per acre.
<b>Total.....</b>	<b>7,241,561</b>	<b>\$181,617,396</b>	<b>\$25.08</b>
Arizona.....	171,302	4,718,100	27.54
California.....	1,196,767	52,057,007	43.50
Colorado.....	1,650,356	39,478,994	23.92
Idaho.....	722,684	16,582,213	21.46
Kansas.....	22,118	477,055	21.57
Montana.....	909,342	14,535,960	15.99
Nebraska.....	137,211	1,973,860	14.39
Nevada.....	356,079	5,339,475	15.00
New Mexico.....	230,034	5,705,922	24.80
North Dakota.....	3,273	56,215	17.18
Oklahoma.....	2,806	51,995	18.53
Oregon.....	368,911	7,489,255	20.30
South Dakota.....	38,438	805,684	13.16
Texas <sup>1</sup> .....	58,227	2,645,385	45.43
Utah.....	579,744	14,642,792	25.26
Washington.....	160,483	7,994,531	49.82
Wyoming.....	583,780	7,562,983	12.61

<sup>1</sup> Exclusive of rice.

The table shows for all crops reported as irrigated an average value per acre of \$25.08.

The highest average value per acre for crops raised on irrigated land is that for Washington, \$49.82, which

is followed by that for Texas, \$45.43 (exclusive of rice), and that for California, \$43.50. Wyoming showed the lowest average value per acre, \$12.61. As is to be expected, the average value per acre is highest in the states with large areas of fruits, vegetables, and other specialized crops raised by means of irrigation, while in those where forage crops and grains predominate the average is lower. Fruit crops comprised about 12 per cent of the total acreage of irrigated crops in Washington in 1909 and about 21 per cent of the total in California, and vegetables and other special crops about 21 per cent of the total acreage of irrigated crops in Texas, exclusive of rice. In Wyoming, on the other hand, more than 32 per cent of the total acreage of irrigated crops in 1909 was in wild grass, and irrigated fruit crops were insignificant.

Table 17 shows the reported acreage and value of each important irrigated crop in the arid region as a whole, with the percentage of the total represented by each.

CROP.	CROPS IRRIGATED IN 1909.			
	Acreage.		Value.	
	Amount.	Per cent of total.	Amount.	Per cent of total.
<b>Total reported</b> .....	<b>7,241,561</b>	<b>100.0</b>	<b>\$181,617,396</b>	<b>100.0</b>
Alfalfa.....	2,216,628	30.6	50,850,533	28.0
Wild, salt, or prairie grasses.....	1,530,669	21.1	11,734,258	6.5
Oats.....	739,652	10.2	14,055,124	7.7
Wheat.....	548,173	7.6	12,826,982	7.1
Barley.....	240,117	3.3	4,399,445	2.4
Orchard fruits and grapes.....	236,285	3.3	18,245,182	10.0
Other tame or cultivated grasses.....	219,701	3.0	2,571,297	1.4
Grains cut green.....	200,363	2.9	2,992,570	1.6
Timothy alone.....	202,817	2.8	3,211,651	1.8
Sugar beets.....	183,467	2.5	10,311,407	5.8
Timothy and clover mixed.....	183,308	2.5	3,071,935	1.7
Potatoes.....	168,014	2.3	10,085,692	5.6
Corn.....	133,673	1.8	2,423,507	1.3
Tropical and subtropical fruits.....	99,431	1.4	15,344,375	8.4
All other.....	330,183	4.6	19,295,078	10.6

In acreage alfalfa ranked first, with 30.6 per cent of the total reported; "wild, salt, or prairie grasses" second, with 21.1 per cent; and oats third, with 10.2 per cent. Forage crops, taken together, occupied about 63 per cent of the total reported acreage, cereals about 23 per cent, sugar beets 2.5 per cent, potatoes 2.3 per cent, fruit crops about 5 per cent, and the crops such as vegetables, root forage, cotton, buckwheat, and others (grouped under the head "all other") 4.6 per cent.

In value also alfalfa was most important, representing 28 per cent of the total amount reported; but orchard fruits and grapes ranked second in this respect among the crops shown separately and tropical fruits third, notwithstanding the relatively small acreages in these crops.

**Average yields per acre.**—Table 18 shows for each of the leading crops grown on irrigated land the average yield per acre in comparison with the average yield of the same crop on unirrigated land in the United States as a whole. Yields for fruit crops are not given because of the large variety of units in which

these yields were expressed and because the general agricultural schedules do not show the acreage in these crops.

CROP.	AVERAGE YIELD PER ACRE.		EXCESS OF AVERAGE YIELD ON IRRIGATED LAND OVER THAT ON UNIRRIGATED LAND. <sup>1</sup>	
	On irrigated land, arid region.	On unirrigated land, entire United States.	Amount.	Percent.
<b>Cereals:</b>				
Corn.....bushels.....	23.7	25.9	-2.2	-8.5
Oats.....bushels.....	36.8	28.5	8.3	29.1
Wheat.....bushels.....	25.6	15.3	10.3	67.3
Barley.....bushels.....	29.1	22.3	6.8	30.5
<b>Hay and forage:</b>				
Alfalfa.....tons.....	2.94	2.14	0.80	37.4
Timothy alone.....tons.....	1.73	1.22	0.51	41.8
Timothy and clover mixed.....tons.....	1.82	1.26	0.56	44.4
Other tame or cultivated grasses <sup>2</sup> .....tons.....	1.53	1.05	0.48	45.7
Wild, salt, or prairie grasses.....tons.....	1.06	1.07	-0.01	-0.9
Grains cut green.....tons.....	1.46	1.23	0.23	18.7
<b>Sundry crops:</b>				
Potatoes.....bushels.....	153.6	103.8	49.8	48.0
Sugar beets.....tons.....	11.89	9.73	2.16	22.2

<sup>1</sup> A minus sign (—) indicates that the yield on irrigated land is less than that on unirrigated land.

<sup>2</sup> Includes millet or Hungarian grass.

For each of the crops presented in the table except corn and "wild, salt, or prairie grasses," the average yield on irrigated land exceeds that on unirrigated land, the percentages of excess ranging from 18.7 for grains cut green to 67.3 per cent for wheat. As climatic conditions in the arid region are not favorable to corn, it is not grown to a large extent there. In the case of "wild, salt, or prairie grasses" the average yields on irrigated and unirrigated land are practically equal. A large part of the unirrigated wild grass is cut on river bottom lands where the soil is likely to be wet, even without irrigation, and consequently a difference in favor of irrigated land is not to be expected.

A combined average for all the crops listed in Table 18, each being given a weight corresponding to its acreage, shows an excess yield of 28.6 per cent for the crops grown on irrigated land over those grown on unirrigated land. It is, of course, obvious that this difference in no way represents the advantage of irrigation over nonirrigation. In some sections where rainfall is plentiful irrigation would add little to the yield, but in arid sections often little or nothing can be raised without irrigation.

**Average values per acre.**—The average values per acre of the leading irrigated crops reported for the arid region are shown in Table 19 in comparison with averages for the same crops grown on unirrigated land for the United States as a whole, so far as acreage figures are available for these.

Among crops grown on irrigated land in 1909, tropical fruits led in average value per acre by a wide margin, orchard fruits and grapes ranking second. Potatoes followed the fruit crops, with an average value of \$60.03, and sugar beets were next of the

crops shown separately, the average value being \$57.29 per acre. Alfalfa, the most important irrigated crop, had an average value per acre of \$22.94. In comparing the average values per acre for different crops it should be borne in mind that the crops with higher average values often require more expensive methods of cultivation than those with lower average values.

**Table 19**

CROP.	AVERAGE VALUE PER ACRE.		EXCESS OF AVERAGE VALUE FOR IRRIGATED LAND OVER THAT FOR UNIRRIGATED LAND.	
	On irrigated land, arid region.	On unirrigated land, entire United States.	Amount.	Per cent.
Tropical and subtropical fruits	\$154.32	(1)		
Orchard fruits and grapes	77.18	(1)		
Potatoes	60.03	\$44.66	\$15.37	34.4
Sugar beets	57.29	51.90	5.39	10.4
Wheat	23.40	14.75	8.65	58.6
Alfalfa	22.94	16.97	5.97	35.2
Oats	19.00	11.64	7.36	63.2
Barley	18.32	11.81	6.51	55.1
Corn	18.13	14.62	3.51	24.0
Timothy and clover mixed	16.76	13.15	3.63	27.6
Timothy alone	15.84	12.76	3.08	24.1
Grains cut green	14.29	14.26	0.03	0.2
Other tame or cultivated grasses <sup>1</sup>	11.70	10.35	1.35	13.0
Wild, salt, or prairie grasses	7.67	5.06	2.61	54.6
All other	58.43	(2)		

<sup>1</sup> Acreage not reported.<sup>2</sup> Includes millet or Hungarian grass.<sup>3</sup> Comparable figure not available.

Each of the crops shown in the table for which comparisons are made had a higher average value per acre for irrigated land than is shown for the same crop grown on unirrigated land for the United States. The excess in favor of the products raised on irrigated land, for the crops included in the comparison, ranged from 0.2 per cent for grains cut green to 63.2 per cent for oats. The average excess for irrigated crops for the crops for which comparative figures are given in the table, based on the total acreages and total values, is about 43 per cent. It should be noted that the comparison just made does not include the crops with the highest average values per acre, such as fruits and vegetables.

**Comparison with preceding census.**—According to the reports of the Twelfth Census the total acreage of irrigated crops in the arid and semiarid states was 5,932,557, while the acreage of such crops reported at the present census of irrigation was 7,241,561, which represents an increase of 22.1 per cent. The fact that this increase is much smaller than the increase in the acreage reported as irrigated (\$2.7 per cent) is a

further indication that the crop reports of the census of irrigation for 1910 are incomplete. Because of this incompleteness, the crop figures of the two censuses are not compared directly, but in Table 20 the percentage which the acreage in each irrigated crop formed of the total acreage reported in such crops is shown for the two censuses.

**Table 20**

CROP.	ACREAGE OF IRRIGATED CROPS.			
	1909		1899	
	Acreage.	Per cent of total.	Acreage.	Per cent of total.
Total reported	7,241,561	100.0	5,932,557	100.0
Alfalfa	2,216,628	30.6	1,517,888	25.6
Wild, salt, or prairie grasses	1,530,069	21.1	997,438	16.8
Oats	739,632	10.2	332,365	5.6
Wheat	548,173	7.6	775,991	13.1
Barley	240,117	3.3	172,228	2.9
Other tame or cultivated grasses <sup>1</sup>	218,701	3.0	306,298	5.2
Grains cut green	205,953	2.9	200,639	3.4
Sugar beets	183,467	2.5	9,074	0.2
Potatoes	168,014	2.3	90,991	1.5
Corn	153,673	1.8	149,799	2.5
Tropical and subtropical fruits	99,431	1.4	87,071	1.5
Rye	6,054	0.1	7,096	0.1
All other	946,639	13.1	1,285,679	21.7

<sup>1</sup> Includes millet or Hungarian grass.

From Table 20 it appears that at both censuses alfalfa was the leading crop grown under irrigation, but that it occupied a considerably larger proportion of the total acreage reported for irrigated crops in 1909 than in 1899. The crop next in importance in respect to acreage in both years was "wild, salt, or prairie grasses," which likewise comprised a larger percentage of the total in 1909 than in 1899. Oats was third in acreage in 1909, followed by wheat, while in 1899 wheat ranked third and oats fourth. Oats covered a much larger percentage of the total acreage of irrigated crops in 1909 than in 1899 and wheat a much smaller percentage in the later than in the earlier year.

The most notable relative increase was for sugar beets, the growing of this crop in the irrigated region being largely a development of the last decade. Potatoes also showed a marked increase in relative importance. Tropical and subtropical fruits occupied about the same place in the two censuses. From a comparison of Table 20 with Table 19, it will be seen that, with the exception of "wild, salt, or prairie grasses," the irrigated crops which are increasing in acreage most rapidly are all among the crops with relatively high values per acre.

### IRRIGATION FOR RICE GROWING.

As previously stated, the special inquiry into irrigation for rice growing was confined to the rice growing districts of Louisiana, Texas, and Arkansas. The data collected, except those relating to crops, are summarized in Table 21.

The number of farms reporting irrigation for rice growing and the acreage irrigated, as reported at the

census of 1910, cover the year 1909, while all other data for that census relate to the year 1910. The reports of the agricultural census of 1910 show that 95.5 per cent of the entire acreage of rice harvested in 1909 was in the three states included in the special irrigation inquiry, and that in all the other states a marked decrease occurred between 1899 and 1909

in the acreage in rice. The figures given in the table for the census of 1910 represent, therefore, in a fairly adequate measure, the extent of irrigation for rice growing in the United States.

The acreage reported on the special irrigation schedules as irrigated for rice growing in 1909 is greater than the total acreage of rice reported in that year on the agricultural schedules for the territory covered. This difference is due principally to the fact that the irrigation schedules show the total acreage watered, while the agricultural schedules show only the acreage harvested. A considerable acreage planted in rice in 1909 was not harvested because of poor stand, shortage of water, and damage by storms.

Table 21	Total for specified states.	Louisiana.	Texas.	Arkansas.
Number of farms reporting irrigation for rice growing.....	4,010	2,690	1,088	232
Acreage irrigated for rice growing.....	694,800	380,200	286,847	27,753
Acreage enterprises were capable of irrigating in 1910.....	950,706	553,220	350,350	47,136
Acreage included in projects.....	1,134,322	581,965	499,474	52,883
Number of enterprises.....	2,158	1,227	611	310
Total length of ditches.....miles.	2,339	1,168	1,040	131
Length of main ditches.....miles.	1,398	729	538	131
Length of lateral ditches.....miles.	941	439	502	.....
Reservoirs:				
Number.....	144	104	21	19
Capacity.....acre-feet.....	21,795	19,482	2,310	3
Flowing wells:				
Number.....	1	.....	1	.....
Capacity.....gals. per min.....	80	.....	80	.....
Pumped wells:				
Number.....	1,413	606	500	307
Capacity.....gals. per min.....	1,822,560	1,108,236	445,495	268,829
Pumping plants:				
Number.....	1,897	1,007	575	315
Capacity of power plants, horsepower.....	118,045	57,426	48,179	12,440
Capacity of pumps, gals. per min.....	9,407,955	5,064,173	3,907,380	436,402
Cost of irrigation enterprises to July 1, 1910.....	\$13,587,639	\$6,859,166	\$6,140,639	\$587,834
Average cost per acre.....	\$14.29	\$12.40	\$17.53	\$12.47
Estimated final cost of existing enterprises.....	\$13,667,639	\$6,914,166	\$6,140,639	\$612,834
Average cost per acre.....	\$12.05	\$11.88	\$12.29	\$11.59

<sup>1</sup> Based on acreage enterprises were capable of irrigating in 1910.

<sup>2</sup> Based on acreage included in projects.

The total acreage irrigated for rice growing in the three states in 1909 was 694,800, of which 54.7 per cent was in Louisiana, 41.3 per cent in Texas, and 4 per cent in Arkansas. The enterprises which were completed or under way in 1910 were reported as capable of irrigating 950,706 acres in that year and of serving ultimately a total of 1,134,322 acres.

The total cost of irrigation enterprises to July 1, 1910, was \$13,587,639, or an average of \$14.29 per acre for the land to which they were capable of supplying water in 1910. Upon the basis of the acreage irrigated in 1909, the average cost per acre was \$19.56. The estimated total cost of enterprises completed or under way in 1910 was \$13,667,639, or \$12.05 per acre for the land included in these enterprises. From these figures it appears that the works for supplying water for rice irrigation which were under construction in 1910 were relatively insignificant.

In the report on irrigation for the Twelfth Census no information relating to the irrigation of rice in Arkansas

is given, because the rice growing industry in that state was insignificant in 1900.

In Table 22 comparisons are made for Louisiana and Texas for the few items that were reported at both censuses. The figures for the Twelfth Census relate to the year 1899.

Table 22	LOUISIANA.			TEXAS.		
	Census of—		Per cent of increase— ( <sup>1</sup> )	Census of—		Per cent of increase.
	1910	1900		1910	1900	
Farms reporting irrigation for rice growing.....	2,690	4,531	-40.6	1,088	73	( <sup>2</sup> )
Acreage irrigated.....	380,200	201,685	88.5	286,847	8,700	3,197.1
Enterprises.....number.....	1,227	596	107.6	611	( <sup>3</sup> )	.....
Length of main ditches (miles).....	729	386	88.9	538	( <sup>4</sup> )	.....
Cost of irrigation enterprises.....	\$6,859,166	\$2,529,319	171.2	\$6,140,639	\$322,000	1,807.0
Average cost per acre.....	\$12.40	\$12.54	( <sup>5</sup> )	\$17.53	\$37.01	( <sup>6</sup> )

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Per cent not calculated when base is less than 100.

<sup>3</sup> Not reported.

<sup>4</sup> Estimated.

<sup>5</sup> Based on cost to July 1, 1910, and acreage enterprises were capable of irrigating in 1910.

<sup>6</sup> Based on cost of systems operated in 1899, and acreage irrigated in that year.

<sup>7</sup> Figures not comparable. (See explanation in text.)

In Louisiana considerable increases have taken place since the census of 1900 in all the items shown in the table except number of farms. The large decrease in the number of farms reporting the irrigation of rice is probably due to the abandonment of rice growing on farms where only small acreages were planted, and an extension of the industry in sections where rice is grown on a larger scale. In Texas almost the entire development has taken place since 1899.

As the figures for average cost of irrigation enterprises per acre at the two censuses are not computed on the same basis, they are not comparable.

Although the crop returns for irrigated rice are not complete, they are sufficiently so to afford reliable averages of the yield and value per acre. These are shown in Table 23.

STATE.	RICE GROWN ON IRRIGATED LAND IN 1909.	
	Average yield per acre (bushels).	Average value per acre.
Louisiana.....	34.6	\$25.70
Texas.....	38.7	28.54
Arkansas.....	45.9	41.56

Continuous cropping in rice exhausts the soil, and the districts of Louisiana, where the land has been used for a longer time than in other sections, show the lowest average yield, while Arkansas, where the growing of rice is of comparatively recent date, shows the highest average yield.

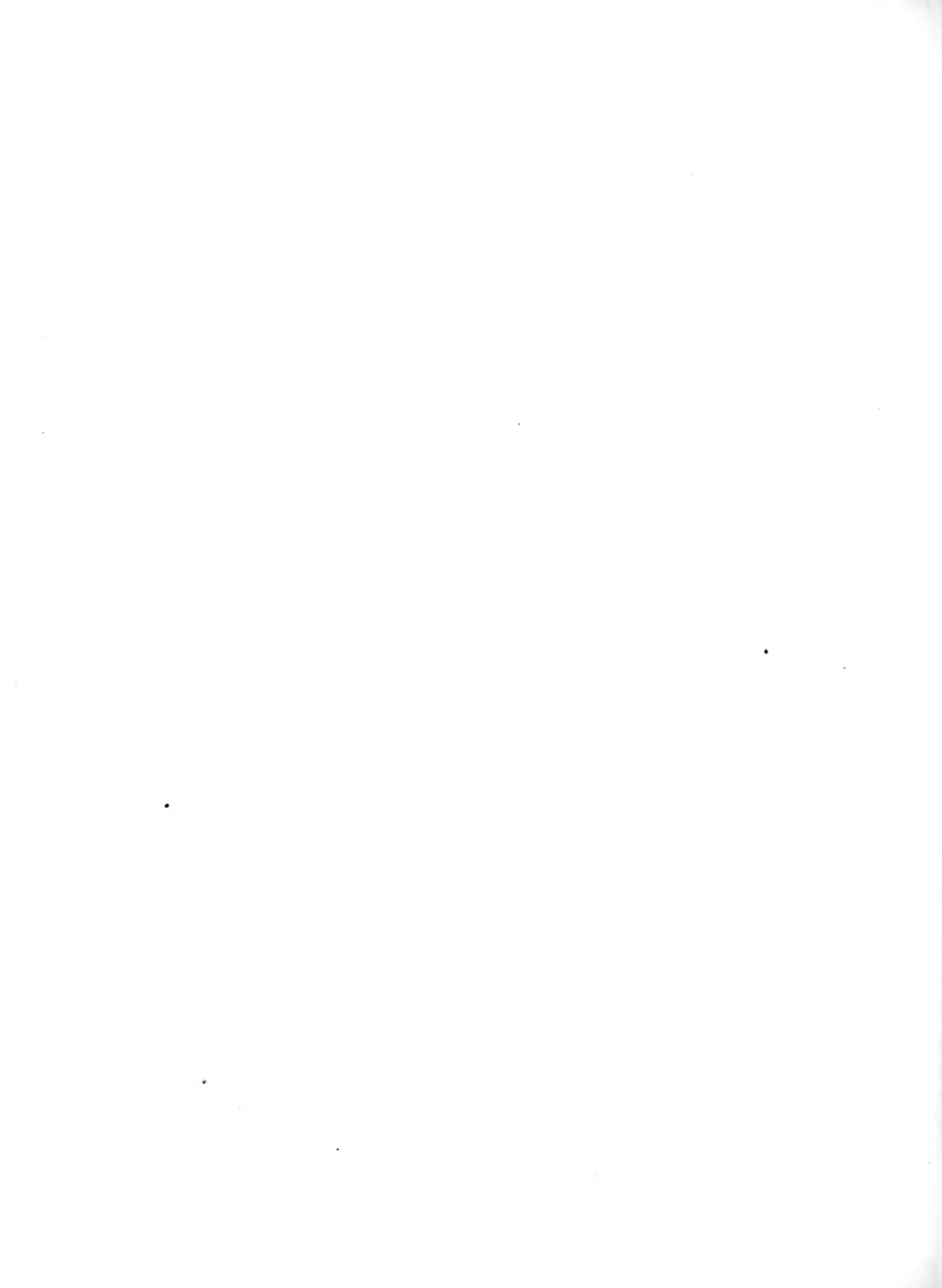
---

---

# MANUFACTURES



CHAPTER 15.—STATISTICS FOR STATES, CITIES, AND INDUSTRIES



## CHAPTER 15.

# STATISTICS OF MANUFACTURES FOR STATES, CITIES, AND INDUSTRIES.

**Introduction.**—This chapter contains a summary of the statistics of manufactures for the United States for the calendar year 1909, as shown by the Thirteenth Census.

The principal facts derived from the census inquiry are presented in four general tables at the end of the chapter, the first giving statistics for individual industries, the second for states and territories, the third for each of the 25 leading manufacturing cities, and the fourth for each city of 10,000 or more inhabitants.

Table 110 gives for each industry in 1909, 1904, and 1899 the number of establishments; number of persons engaged in the industry during the year, classified as proprietors and firm members, salaried employees, and wage earners; primary power; capital; salaries; wages; cost of materials; value of products; value added by manufacture; and the percentage of increase in average number of wage earners and in value of products, from census to census. The industries are arranged alphabetically.

Table 111 gives similar statistics for the different states and territories, arranged geographically.

Table 112 gives for each of the 25 leading manufacturing cities the same items given in Tables 110 and 111; the cities are arranged according to the value of their manufactured products.

Table 113 gives, for each city of 10,000 or more inhabitants, the number of establishments, the average number of wage earners, the value of products, and the value added by manufacture for 1909, 1904, and 1899. The cities are arranged alphabetically by states.

In addition to these general tables there are interspersed in the text discussion a series of special text tables analyzing certain of the data contained in the general tables. Some of these special text tables present figures only for all industries combined in continental United States as a whole; others give statistics for the principal industries separately; and still others give figures for states and territories.

**Scope of census: Factory industries.**—Census statistics of manufactures are compiled primarily for the purpose of showing the absolute and relative magnitude of the different branches of industry covered and their growth or decline. Incidentally, the effort is made to present data throwing light upon character of organization, location of establishments, size of establishments, labor force, and similar subjects. When use is made of the data for these purposes it is imperative that due attention should be given

to the limitations of the figures. Particularly is this true when the attempt is made to derive from them figures purporting to show average wages, cost of production, or profits.

The census of 1909, like that of 1904, was confined to manufacturing establishments conducted under the factory system, as distinguished from the neighborhood, hand, and building industries. Where statistics for 1899 are given they have been reduced to a comparable basis by eliminating, as far as possible, the latter classes of industries. The census does not include establishments which were idle during the entire year, or had a value of products of less than \$500, or the manufacturing done in educational, eleemosynary, and penal institutions, or in governmental establishments, except those of the Federal Government.

**Period covered.**—The returns cover the calendar year 1909, or the business year which corresponds most nearly to that calendar year. The statistics cover a year's operations, except for establishments which began or discontinued business during the year.

**The establishment.**—As a rule, the term "establishment" represents a separated plant or mill. In some cases it represents two or more plants operated under a common ownership or for which one set of books of account is kept.

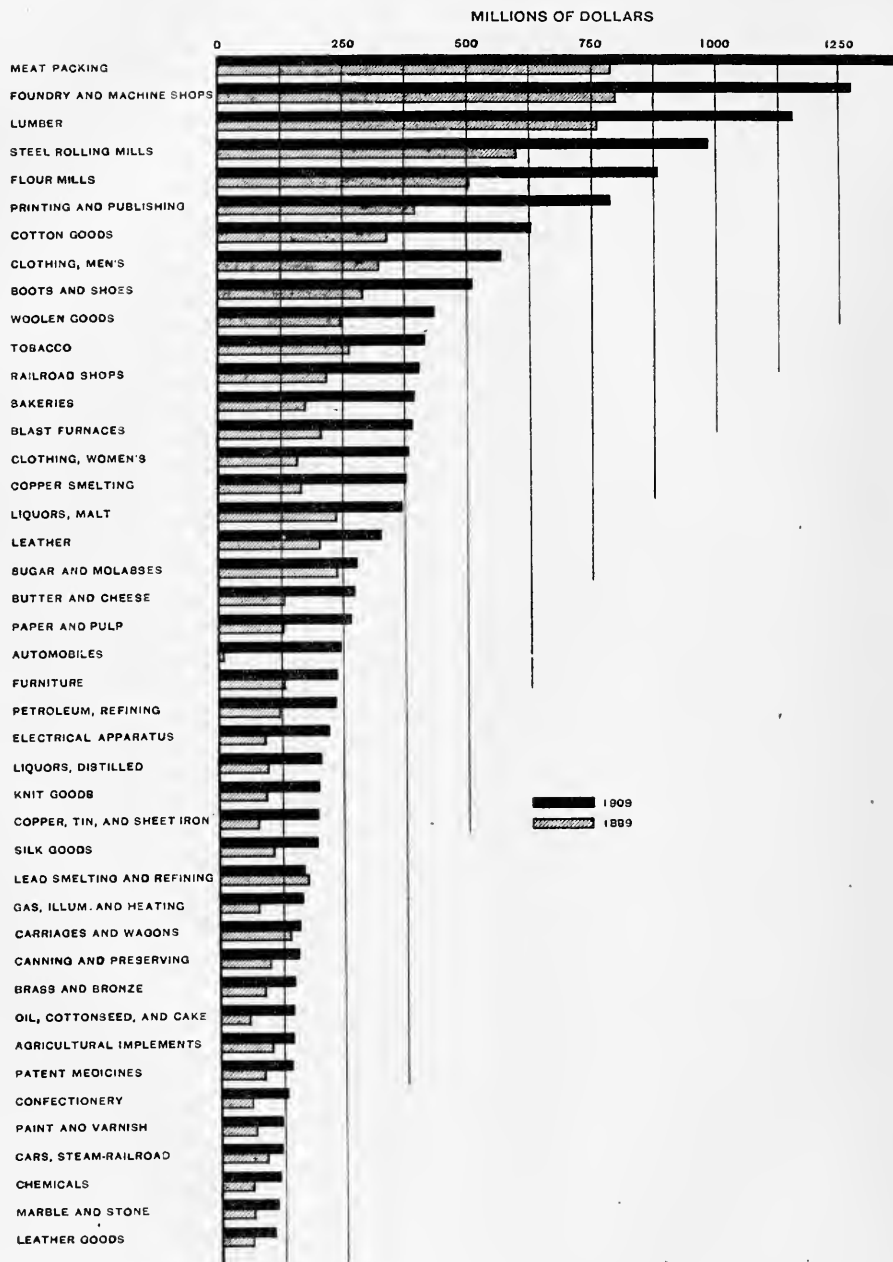
If the plants constituting an establishment as thus defined were not all located within the same city or state, separate reports were secured in order that the separate totals might be included in the statistics for each city or state. In some instances separate reports were secured for different industries carried on in the same establishment.

**Classification by industries.**—The establishments were assigned to the several classes of industries according to their products of chief value. The value of products reported for a given industry may thus, on the one hand, include minor products very different from those covered by the class designation, and, on the other hand, may not include the total product covered by this designation, because some part of this product may be made in establishments in which it is not the product of chief value.

The number of industries for which a separate presentation is made is 264, a much smaller number than in the reports for the census of 1904, in which 339 industries were shown separately. This decrease is due to the fact that an attempt to make a separate presentation would in the case of many industries be misleading, inasmuch as a large part of the product of the class described by the industry designation is made, not by establishments engaged primarily in manufacturing that class of commodities, but by establishments whose principal product is such as to necessitate their classification elsewhere. In order to avoid this difficulty it is necessary in many cases to combine a number of closely related industries under a more general designation. This condition is constantly becoming more conspicuous in the manufacturing business of the country, and consequently the number of industries which can properly be shown separately is smaller at this census than at previous censuses.

Owing to changes in industrial conditions, moreover, it is not always possible to classify establishments by industries in such a way as to permit accurate comparison with preceding censuses, and for some of the industries covered by Table 110, therefore, comparative statistics for earlier censuses are necessarily omitted.

## VALUE OF PRODUCTS, BY INDUSTRIES: 1909 AND 1899.





## GENERAL SUMMARY.

**Continental United States and noncontiguous territory: 1909.**—The following table gives for 1909 the more important figures for the manufactures of continental United States and for Alaska, Hawaii, and Porto Rico. The table does not cover possessions of the United States other than those mentioned. The statistics of manufactures included in the census of the Philippine Islands taken by the War Department for

1902 are not comparable with those shown in the reports for continental United States; and there has been no census of manufactures in Guam, Samoa, or the Canal Zone. The statistics for Alaska, Hawaii, and Porto Rico include some small establishments of the nature of hand or neighborhood industries, such as are omitted from the canvass for continental United States.

Table 1	NUMBER OR AMOUNT.				
	Total.	Continental United States.	Alaska.	Hawaii.	Porto Rico.
Number of establishments.....	270,082	268,491	152	500	939
Persons engaged in manufactures.....	7,707,751	7,678,578	3,479	7,572	18,122
Proprietors and firm members.....	273,352	273,265	135	1,074	1,478
Salaried employees.....	792,168	790,267	245	594	1,062
Wage earners (average number).....	6,639,931	6,615,046	3,099	5,904	15,582
Primary horsepower.....	18,755,286	18,675,376	3,975	41,930	34,005
Capital.....	\$18,490,749,000	\$18,428,270,000	\$13,060,000	\$23,875,000	\$25,544,000
Expenses.....	18,526,436,000	18,454,090,000	9,454,000	31,753,000	31,139,000
Services.....	4,375,634,000	4,365,613,000	2,328,000	2,795,000	4,898,000
Salaries.....	940,900,000	938,575,000	350,000	686,000	1,259,000
Wages.....	3,434,734,000	3,427,038,000	1,948,000	2,109,000	3,639,000
Materials.....	12,195,019,000	12,142,791,000	5,120,000	25,629,000	21,479,000
Miscellaneous.....	1,955,783,000	1,945,686,000	2,006,000	3,329,000	4,762,000
Value of products.....	20,767,546,000	20,672,052,000	11,340,000	47,404,000	36,750,000
Value added by manufacture (value of products less cost of materials).....	8,572,527,000	8,529,261,000	6,220,000	21,775,000	15,271,000

The total value of manufactures in the area covered by this table for 1909 was \$20,767,546,000, of which 99.5 per cent was contributed by continental United States, the manufactures of Alaska, Hawaii, and Porto Rico being comparatively unimportant. The most important industry in Alaska is the canning and preserving of fish; in Hawaii, the manufacture of sugar; and in Porto Rico, the manufacture of sugar and of tobacco products.

The above table is the only one in this report in which the statistics for the noncontiguous territories are included, all the other tables relating exclusively to continental United States.

**Explanation of terms.**—With reference to some of the items contained in the above and following tables certain explanations are necessary:

**Persons engaged in manufacturing industries.**—The statistics of the number of proprietors and firm members and the number of salaried employees are based on the returns for a single representative day only. In the case of wage earners a report was obtained of the number employed on the 15th of each month, and from these returns the average number employed during the year has been calculated by dividing the sum of the numbers reported for the several months by 12. (See also p. 452.)

**Capital.**—For reasons stated in reports of prior censuses the statistics of capital secured by the census canvass are so defective as to be of little value, except as indicating very general conditions. The instructions on the schedule for securing capital were as follows:

The answer should show the total amount of capital, both owned and borrowed, on the last day of the business year reported. All

the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, that fact should be so stated and only the value of the owned property given. Do not include securities and loans representing investments in other enterprises.

**Materials.**—The statistics as to cost of materials relate to the materials used during the year, which may be more or less than the materials purchased during the year. The term "materials" includes fuel, rent of power and heat, mill supplies, and containers, as well as materials forming a constituent part of the product. Under the head of "fuel" is included all fuel used, whether for heat, light, or power, or for the process of manufacture.

**Expenses.**—Under "Expenses" are included all items of expense incident to the year's business, except interest, whether on bonds or other forms of indebtedness, and allowances for depreciation.

**Value of products.**—The amounts given under this head represent the selling value at the factory of all products manufactured during the year, which may differ from the value of the products sold. Amounts received for work on materials furnished by others are included.

**Cost of manufacture and profits.**—Census data do not show the entire cost of manufacture, and consequently can not be used to show profits. No account has been taken of interest and depreciation. Even if the amount of profit could be determined by deducting the expenses from the value of the products the rate of profit on the investment could not properly be calculated, because of the very defective character of the returns regarding capital.

**Primary horsepower.**—This item represents the total primary power generated by the manufacturing establishments plus the amount of power, principally electric, rented by them from other concerns. It does not cover the electric power developed by the primary power of the establishments themselves, the inclusion of which would evidently result in duplication.

General comparison for the United States: 1909, 1904, and 1899.—The following table gives the principal items of information covered by census inquiries

relative to manufactures in continental United States for 1909, 1904, and 1899, together with the percentages of increase from census to census:

Table 2	NUMBER OR AMOUNT.			PER CENT OF INCREASE.	
	1909	1904	1899	1904-1909	1899-1904
Number of establishments.....	268,491	216,180	207,514	34.2	4.2
Persons engaged in manufactures.....	7,678,578	6,213,612	( <sup>1</sup> )	23.6	.....
Proprietors and firm members.....	273,265	225,673	( <sup>1</sup> )	21.1	.....
Salaried employees.....	790,267	519,556	364,120	52.1	42.7
Wage earners (average number).....	6,615,046	5,468,383	4,712,763	21.0	16.0
Primary horsepower.....	18,675,376	13,487,707	10,097,893	38.5	33.6
Capital.....	\$18,428,270,000	\$12,675,581,000	\$8,975,256,000	45.4	41.2
Expenses.....	18,454,090,000	13,138,260,000	9,870,425,000	40.5	33.1
Services.....	4,365,613,000	3,184,884,000	2,389,132,000	37.1	33.3
Salaries.....	938,575,000	574,439,000	380,771,000	63.4	50.9
Wages.....	3,427,038,000	2,610,445,000	2,008,361,000	31.3	30.0
Materials.....	12,142,791,000	8,500,208,000	6,575,851,000	42.9	29.3
Miscellaneous.....	1,945,686,000	1,453,168,000	905,442,000	33.9	60.5
Value of products.....	20,672,052,000	14,793,903,000	11,406,927,000	39.7	29.7
Value added by manufacture (value of products less cost of materials).....	8,529,261,000	6,293,695,000	4,831,076,000	35.5	30.3

<sup>1</sup> Figures not available.

In 1909 the United States had 268,491 manufacturing establishments, which gave employment during the year to an average of 7,678,578 persons, of whom 6,615,046 were wage earners. These manufacturing establishments paid \$4,365,613,000 in salaries and wages, and turned out products to the value of \$20,672,052,000, to produce which materials costing \$12,142,791,000 were consumed. The value added by manufacture, namely, the difference between the cost of materials and the total value of products, was \$8,529,261,000. This figure best represents the net wealth created by manufacturing operations, because the gross value of products includes the cost of the materials used, which are either the products of non-manufacturing industries, such as agriculture, forestry, fisheries, and mining, or else are themselves the product of manufacturing establishments. The value of products derived from this latter class of materials involves a duplication, inasmuch as the value of these materials has already figured in the value of products reported for the establishments manufacturing them in the first instance; in some cases, indeed, where a given product has passed through several distinct stages of manufacture in different establishments before reaching its final form, this duplication may be repeated several times. All such duplications, as well as the original value of materials, are, however, eliminated in the figures for value added by manufacture. This value covers salaries and wages—which represent over one-half of the total—overhead charges, depreciation, interest, taxes, and other expenses attendant upon the manufacturing operations, as well as the profits of the undertaking.

Table 2 shows that the manufacturing industries of the United States as a whole experienced a more rapid growth during the five-year period 1904-1909

than during the period 1899-1904, although in both periods the progress was very marked. During the first five years of the decade the average number of wage earners increased 16 per cent; during the second five years, 21 per cent. The value of products increased 29.7 per cent during the first period and 39.7 per cent during the second period. The rate of increase in the value added by manufacture shows less difference between the two periods, being 30.3 per cent during the first five years and 35.5 per cent during the second five years. In this connection it may be noted that there was a greater rate of increase in the cost of materials during the second period than during the first.

During the 10 years from 1899 to 1909 the number of establishments increased 29.4 per cent; the capital employed, 105.3 per cent; the average number of wage earners, 40.4 per cent; the amount of primary power, 84.9 per cent; the value of materials consumed, 84.7 per cent; the value of products, 81.2 per cent; and the value added by manufacture, 76.6 per cent. The gross value of products in 1909 exceeded that in 1899 by more than \$9,000,000,000, and the value added by manufacture in 1909 was, in round numbers, \$3,700,000,000 more than in 1899.

It would be improper to infer that manufactures increased in volume during either of the five-year periods covered by the table to the full extent indicated by the increase in value of materials consumed or in the value of products, since the increase shown in these items is certainly due in part to the increase that has taken place in the price of commodities. It may be presumed that the quantity of products increased somewhat more rapidly than the number of wage earners; this might be expected from the fact that the amount of primary power increased much faster than the number of wage earners; in

other words, each wage earner, on the average, had greater assistance from mechanical power in 1909 than in 1904 or 1899.

It is a matter of interest to note that during both of the five-year periods the wages paid showed a higher percentage of increase than the average number of wage earners, thus indicating an increase in the average wages.

**Comparison with earlier censuses.**—In 1810 the Secretary of the Treasury made a report on the condition of manufactures in the United States and estimated that the value of products for 1809 exceeded \$120,000,000. An estimate based on the returns of the census of 1810 placed the value of the annual product at \$198,613,471. Further efforts to secure statistics of manufactures were made in 1820 and 1840, but the results were more or less unsatisfactory. In 1830 no such attempt was made. The census of 1850 was the first to present fairly complete statistics for manufactures. Each census from that time to 1890 was based in part on returns for the preceding calendar year and in part on returns for other 12-month periods, mainly ending during the census year itself. The last three censuses cover principally returns for the preceding calendar year or for 12-month periods ending within that year. In general, in this report the statistics for all censuses are referred to by the year preceding that in which the census was taken.

The statistics of manufactures secured at the decennial censuses from 1850 to 1900, inclusive, covered the neighborhood, hand, and building industries, as well as the factory industries, while the reports for 1904 and 1909 were confined to factory industries. The statistics for 1899 obtained at the decennial census of 1900, although originally taken on the broader basis, have, for the purpose of comparison with later censuses, been reduced to the factory basis by eliminating as far as possible the neighborhood, hand, and building trades, but no such elimination is possible with respect to the earlier censuses. For this reason the statistics for years prior to 1899 are not entirely comparable with those for 1904 and 1909. Nevertheless, for the purpose of showing in a rough way the movement during each decade since 1850, the following summary table is presented. Two sets of figures are given in this table for 1899, the one including the neighborhood, hand, and building trades, in order to make the data comparable with those for preceding censuses, and the other excluding them in order to make the figures comparable with those for later censuses. The values and wages for 1869 have been reduced to a gold basis, inasmuch as the figures as reported would, because of the inflation of the currency at that time, exaggerate the increase from 1859 to 1869, and understate the increase from 1869 to 1879.

Table 3

	Number of establishments.	Capital.	Wage earners (average number).	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
<b>Factories and hand and neighborhood industries:</b>							
1849 (census of 1850).....	123,025	\$533,245,000	957,069	\$226,755,000	\$555,124,000	\$1,919,107,000	\$463,983,000
1859 (census of 1860).....	140,433	1,009,856,000	1,311,246	378,879,000	1,031,665,000	1,885,862,000	854,257,000
Per cent of increase, 1849 to 1859.....	14.1	89.4	37.0	60.0	85.8	85.0	84.1
1869 (census of 1870) (gold value).....	232,148	1,694,567,000	2,053,996	629,467,000	1,999,742,000	3,355,860,000	1,395,118,000
Per cent of increase, 1859 to 1869.....	79.6	67.8	56.6	63.8	93.0	79.5	63.3
1879 (census of 1880).....	253,832	2,790,273,000	2,732,595	947,954,000	3,396,824,000	5,369,579,000	1,972,753,000
Per cent of increase, 1869 to 1879.....	0.7	64.7	33.9	52.8	90.6	74.5	41.4
1889 (census of 1890).....	355,405	6,525,051,000	4,251,535	1,891,210,000	5,162,014,000	9,372,379,000	4,210,365,000
Per cent of increase, 1879 to 1889.....	40.0	133.8	55.6	99.5	52.0	74.5	113.4
1899 (census of 1900).....	512,191	9,813,834,000	5,306,143	2,320,938,000	7,343,628,000	13,000,149,000	5,656,521,000
Per cent of increase, 1889 to 1899.....	44.1	50.4	24.8	22.7	42.3	38.7	34.3
<b>Factories, excluding hand and neighborhood industries:</b>							
1899 (census of 1900).....	207,514	8,975,256,000	4,712,763	2,008,361,000	6,575,851,000	11,406,927,000	4,831,076,000
1904 (census of 1905).....	216,180	12,075,581,000	5,468,383	2,610,445,000	8,500,208,000	14,793,903,000	6,293,095,000
Per cent of increase, 1899 to 1904.....	4.2	41.2	16.0	30.0	29.3	29.7	30.3
1909 (census of 1910).....	268,491	18,428,270,000	6,615,046	3,427,038,000	12,142,791,000	20,672,052,000	8,529,261,000
Per cent of increase, 1904 to 1909.....	24.2	45.4	21.0	31.3	42.9	39.7	35.5
Per cent of increase, 1899 to 1909.....	29.4	105.3	40.4	70.6	84.7	81.2	76.6

This table shows that, although the returns for 1849 included neighborhood, hand, and building trades and those for 1909 did not, nevertheless the value of products in the latter year was over twenty times as great as the value reported 60 years before. During the same time the number of wage earners employed increased almost sixfold.

As judged by the number of wage earners, the decade showing the greatest percentage of increase was that from 1859 to 1869, during which the average number of wage earners increased 56.6 per cent. The decade 1879

to 1889 also showed an exceptionally high percentage of increase in this respect, while the next largest percentage of increase occurred during the decade from 1899 to 1909. As respects value of products, the percentage of increase during the past decade exceeds that in any other except the decade from 1849 to 1859; but in value added by manufacture, the percentage of increase during the past 10 years falls below that from 1879 to 1889, as well as that from 1849 to 1859.

The absolute increases shown for the various items covered by the table during the decade 1899 to 1909

were much greater than during any other decade; the increase in value of products, in fact, almost equaled the total value of all manufactured products in 1889.

**Leading industries.**—The relative importance of the leading manufacturing industries in the United States in 1909 and their growth from 1899 to 1909 are shown in Table 4, which includes the industries having a gross value of products in 1909 of \$100,000,000 or more. The industries are arranged in the order of the value of products. The table also shows the rank of the industries listed, not only with respect to value of products, but with respect to number of wage earners employed and value added by manufacture, and the percentage of the total of each of these items for all industries combined which is represented by each specified industry. While the column of rank under "Value of products" represents correctly the order of the industries named among all the industries of the country, the ranking shown with reference to number of wage earners and value added by manufacture relates only to the relative order of the industries covered by this particular table. There are various industries not named which rank higher in these respects than some of the industries listed in the table.

The number of wage earners and the value added by manufacture are, at least from certain standpoints, a better measure of the relative importance of manufacturing industries than the gross value of products. In some industries the value of the materials used constitutes by far the larger part of the total value of products, the manufacturing process involving the addition of only a small amount of labor cost and other expenses and of manufacturer's profit to the cost of the materials. Moreover, in some of the industries there is a much greater duplication in the gross value of products than in others. This duplication, of course, does not appear in the value added by manufacture.

In considering the ranking of the industries in Table 4, it should be borne in mind that some of the industries specified are in a sense groups of industries rather than single industries. As stated in the Introduction, in certain cases, in order to avoid a misleading understatement of the importance of the production of a given minor class of commodities, the returns for establishments making these commodities as their sole or principal product have had to be combined with those of establishments in larger industries which produce primarily other commodities, but which incidentally make a large part of the distinctive products in question. In a few instances where a similar condition exists, however, it was deemed best not to make such a combination of industries. As also stated in the Introduction, the report for each establishment, as a whole, has been assigned to a given class of industry according to its products of chief value, so that the figures for any given class must not be taken either as fully covering or as represent-

ing exclusively the operations of that branch of manufacturing indicated by the industry designation.

The following explanations show the scope of those classifications in the table which are not on their face entirely clear:

*Slaughtering and meat packing.*—This classification includes the wholesale slaughtering and meat-packing establishments and those engaged in the manufacture of sausage, but not the numerous retail butcher shops which in the aggregate slaughter a large number of animals. It includes the manufacture of many by-products, some of which are carried to a high degree of elaboration.

*Foundry and machine-shop products.*—This industry includes all allied industries excepting those which manufacture a distinctive product indicated by some other classification, such as cash registers, calculating machines, sewing machines, and electrical machinery. The establishments engaged in the manufacture of bells, gas machines and gas and water meters, hardware, plumbers' supplies, saddlery hardware, steam fittings, structural ironwork, and cast-iron and cast-steel pipe, some of which were reported under separate classifications at previous censuses, are all included under this general heading.

*Lumber and timber products.*—This industry embraces logging operations, ordinary sawmills, planing mills, and establishments engaged in the manufacture of wooden packing boxes. It does not include statistics of mills engaged exclusively in custom sawing for local consumption.

*Iron and steel, steel works and rolling mills.*—This industry embraces the manufacture of steel and the hot rolling of iron and steel. It also includes the making of forgings and castings and the manufacture of rolled iron and steel into more highly finished forms when conducted as a part of the rolling-mill operations, as well as the few extant forges and bloomeries. It does not, however, include the making of cold-rolled products, nor of forgings, castings, and manufactures of iron and steel by establishments not equipped with steel-making furnaces or hot trains of rolls.

*Flour-mill and gristmill products.*—This classification includes statistics for all mills grinding wheat, rye, or buckwheat flour, or corn meal, hominy, grits, or feed, but it does not include statistics for mills doing custom grinding exclusively, or for factories making fancy cereal food or other special food preparations as a chief product.

*Printing and publishing.*—This classification includes job-printing establishments, the printing and publishing of books, newspapers and periodicals, and music, bookbinding, steel engraving, and lithographing.

*Cotton goods, including cotton small wares.*—In addition to the statistics for cotton mills proper, there are included under this head the statistics for establishments that make a specialty of small wares, such as

braids, tapes, bindings, corset and shoe laces, and the like.

*Clothing, men's, including shirts.*—This classification includes the making of men's and boys' ready-made clothing; the making of overalls, butchers' aprons, bathing suits, and gymnasium clothing; and the manufacture of all kinds of shirts—cotton, linen, flannel, etc.—as well as shirt bosoms and shirt waists for men and boys.

*Boots and shoes, including cut stock and findings.*—Under this head are included not only factories making the finished product, but those doing the whole or part of the work on materials furnished by others, as well as shops doing stitching, crimping, fitting, and bottoming, or performing other special operations. The manufacture of footwear not coming strictly under the head of boots and shoes, such as overgaiters, moccasins, and leggings, is also covered by this designation. It does not include the manufacture of rubber boots and shoes.

*Clothing, women's.*—Besides the making of suits, dresses, skirts, and shirt waists, this industry includes the manufacture of women's underwear and night robes, of infants' clothing, and of such articles as aprons, linings, belts, dress shields, and hose supporters.

*Sugar and molasses, not including beet sugar.*—Under this classification are included the manufacture of sugar and of some by-products of the sugar industry, such as molasses and sirup, and also the operations of sugar refineries, together with the manufacture of maple sugar. It does not, however, include the small plantation or custom sugar mills.

*Furniture and refrigerators.*—This industry embraces the manufacture of wood and metal furniture of all kinds, store and office fixtures, and refrigerators and ice boxes, except where such products are provided for by a distinct classification, such as show cases.

*Copper, tin, and sheet-iron products.*—This classification comprises the manufacture of sheet-metal products of copper, tin, and iron, including the preparation of copper, tin, or sheet-iron material for building construction. It includes the factory work on cornices, skylights, roofing, etc., but does not include the erection or installation of the same.

*Canning and preserving.*—This industry includes the canning and preserving of fruits and vegetables, fish, oysters, clams, etc., and the manufacture of pickles, preserves, jellies, sauces, etc. It includes the preparation of pickled, smoked, and dried fish, and the packing of dried fruits by packing houses which make a specialty of such business, but does not include the drying and packing of fruits by the grower on the farm, nor does it include the canning of meats, soups, and similar products in meat-packing establishments, the statistics for which are included with those for the slaughtering and meat-packing industry.

*Patent medicines and compounds and druggists' preparations.*—Under this head are included establishments making so-called patent medicines, and also some compounds that are not used for medicinal purposes, and the manufacture of capsules, extracts, tinctures, and other pharmaceutical preparations, together with perfumery and cosmetics.

*Chemicals.*—This classification includes establishments engaged primarily in the manufacture of acids, sodas, potashes, alums, coal-tar products, cyanides, bleaching materials, plastics, compressed or liquefied gases, alkaloids, gold, silver, and platinum salts, chloroform, ether, and other fine chemicals, glycerin, epsom salts, copperas, blue vitriol, and other bases and salts, when they are made as a chief product by the establishment reporting. Chemical substances produced by the aid of electricity are presented in a group by themselves. Chemicals of the class above specified are frequently manufactured as by-products by establishments classified in the census reports under a different head, for example, by establishments making patent medicines and compounds and druggists' preparations, soap, fertilizers, baking powders, and flavoring extracts; by refiners of coal tar for use as roofing material; by smelters and refiners of lead and zinc; and by establishments engaged in the manufacture of sulphuric, nitric, and mixed acids and of explosives, in wood distillation, and in making tin andterne plate.

It will be seen from Table 4 that some of the industries that hold a very high rank in gross value of products rank comparatively low in the number of wage earners employed and in the value added by manufacture. Where this is the case it indicates that the cost of materials represents a large proportion of the total value of products, and that therefore the value added by manufacture, of which wages constitute usually the largest item, is not commensurate with the total value of products. Thus the slaughtering and meat-packing industry, which ranks first in gross value of products, and the flour-mill and gristmill industry, which ranks fifth in that respect, both hold a comparatively low rank with regard to number of wage earners and value added by manufacture. The blast-furnace industry, the smelting and refining of copper, the manufacture and refining of sugar and molasses, the manufacture of butter, cheese, and condensed milk, the refining of petroleum, and the smelting and refining of lead are other industries which rank much higher in gross value of products than in the number of wage earners or the value added by manufacture.

There are several industries the rank of which according to the number of wage earners and the value added by manufacture is decidedly higher than the rank according to value of products; in other words, the cost of materials is relatively a smaller part of the total value of products for these industries than for

most others. Among the industries of this class are the making of women's clothing, the manufacture of automobiles, furniture, electrical machinery, apparatus, and supplies, hosiery and knit goods, silk goods, and agricultural implements, and the confectionery and marble and stone work industries.

The foundry and machine-shop industry, the lumber industry, the steel works and rolling mills, the printing and publishing industry, the manufacture of cotton goods, of men's clothing, and of boots and shoes all rank among the first 10 industries in the table on

each of the three bases shown in the table. The figures for both value of products and value added by manufacture in the case of the brewery and distillery industries include a very large amount of tax paid to the Federal Government, and are therefore misleading as an indication of the relative importance of these industries from a purely manufacturing standpoint. That importance is best shown by their ranking in number of wage earners; in this respect the brewery industry ranks twenty-fifth among the industries listed, and the distillery industry forty-third.

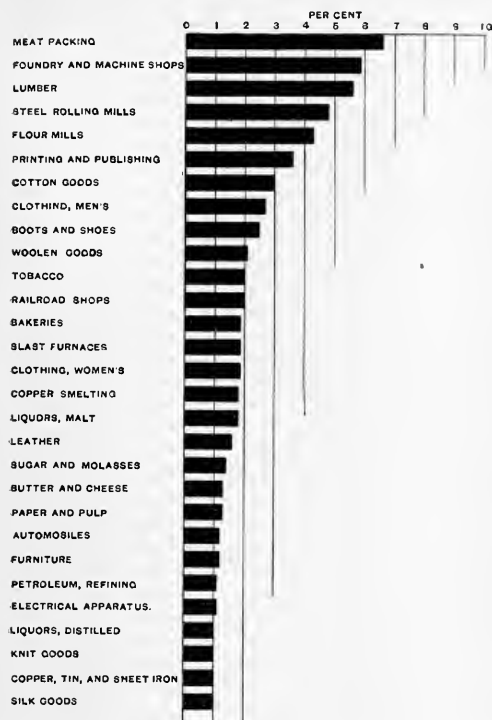
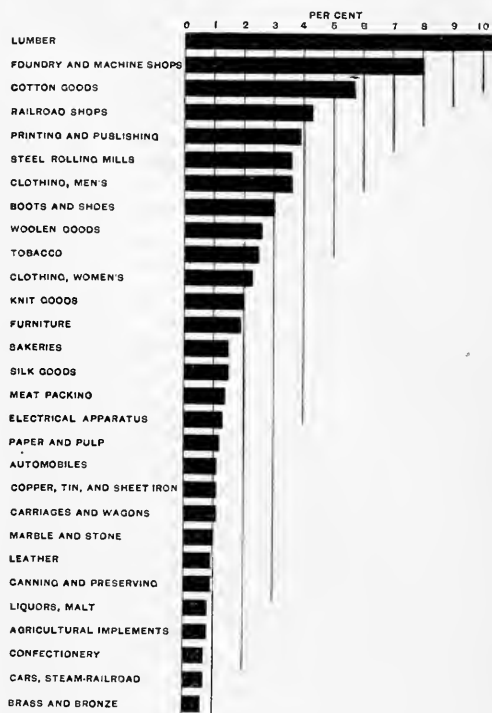
Table 4

INDUSTRY.	Number of establishments.	WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE.			PER CENT OF INCREASE. <sup>1</sup>					
		Average number.	Rank.	Per cent distribution.	Amount (expressed in thousands).	Rank.	Per cent distribution.	Amount (expressed in thousands).	Rank.	Per cent distribution.	Wage earners (average number).		Value of products.		Value added by manufacture.	
											1904-1909.	1899-1904.	1904-1909.	1899-1904.	1904-1909.	1899-1904.
All industries.....	268,919	6,615,046	.....	100.0	\$20,672,052	.....	100.0	\$8,528,261	.....	100.0	21.0	16.0	39.7	29.7	35.5	30.3
Slaughtering and meat packing.....	1,641	89,728	16	1.4	1,370,568	1	6.6	167,740	13	2.0	18.0	8.9	48.6	17.0	51.6	7.3
Foundry and machine-shop products.....	13,253	531,011	2	8.0	1,228,475	2	5.9	688,464	1	8.1	19.8	8.8	39.5	10.3	34.2	17.8
Lumber and timber products.....	49,671	695,019	1	10.5	1,156,129	3	5.6	648,011	2	7.6	30.5	4.7	30.7	16.2	23.7	32.3
Iron and steel, steel works and rolling mills.....	446	240,076	6	3.6	965,723	4	4.8	328,222	4	3.9	15.7	13.3	46.3	12.9	41.0	12.8
Flour-mill and gristmill products.....	11,691	39,453	30	0.6	883,584	5	4.3	116,068	18	1.4	0.9	21.4	23.9	42.2	24.7	27.0
Printing and publishing.....	31,445	258,434	5	3.9	737,876	6	3.6	536,101	3	6.3	18.0	12.2	33.6	39.8	30.8	40.6
Cotton goods, including cotton small wares.....	1,324	378,880	3	5.7	628,392	7	3.0	257,383	7	3.0	19.9	4.3	39.5	32.8	56.7	1.0
Clothing, men's, including shirts.....	6,354	239,696	7	3.6	568,077	8	2.7	270,562	6	3.2	38.0	10.2	39.7	25.6	38.5	25.5
Boots and shoes, including cut stock and findings.....	1,918	198,297	8	3.0	512,798	9	2.5	150,060	10	2.1	23.7	6.0	43.4	23.3	36.0	34.3
Woollen, worsted, and felt goods, and woolhats.....	985	168,722	9	2.6	435,979	10	2.1	153,101	15	1.8	15.0	12.3	36.5	28.4	33.4	20.9
Tobacco manufactures.....	15,822	166,810	10	2.5	416,695	11	2.0	239,509	8	2.8	4.6	20.3	25.8	25.6	16.8	20.0
Cars and general shop construction and repairs by steam-railroad companies.....	1,145	282,174	4	4.3	405,601	12	2.0	206,188	9	2.4	19.1	36.4	30.9	42.0	29.9	46.0
Bread and other bakery products.....	23,926	100,216	14	1.5	396,865	13	1.9	158,831	14	1.9	23.3	35.0	47.2	53.7	39.8	41.4
Iron and steel, blast furnaces.....	208	38,429	31	0.6	391,429	14	1.9	70,791	30	0.8	9.6	-10.6	68.8	12.1	33.9	-29.7
Clothing, women's.....	4,558	153,743	11	2.3	384,752	15	1.9	175,964	11	2.1	32.9	38.2	55.4	55.4	50.5	56.7
Smelting and refining, copper.....	38	15,628	38	0.2	378,806	16	1.8	45,274	36	0.5	22.6	12.6	57.3	45.8	2.8	2.5
Liquors, malt.....	1,414	54,579	25	0.8	374,730	17	1.8	278,134	5	3.3	13.4	22.0	25.6	25.9	24.5	20.6
Leather, tanned, curried, and finished.....	919	62,202	23	0.9	327,574	18	1.6	79,365	27	0.9	8.7	9.8	24.8	23.8	29.5	25.3
Sugar and molasses, not including beet sugar.....	233	13,526	41	0.2	279,249	19	1.4	31,666	41	0.4	-0.2	-4.1	0.7	15.7	-2.7	77.5
Butter, cheese, and condensed milk.....	8,479	18,431	36	0.3	274,558	20	1.3	39,012	39	0.5	15.5	21.5	63.2	28.6	54.4	15.1
Paper and wood pulp.....	777	75,978	18	1.2	267,657	21	1.3	102,215	21	1.2	15.2	32.9	41.8	48.2	32.0	36.4
Automobiles, including bodies and parts.....	743	77,121	19	1.1	249,202	22	1.2	117,556	17	1.4	528.4	43.7	729.7	532.6	506.3	473.5
Furniture and refrigerators.....	3,155	128,452	13	1.9	239,887	23	1.2	131,112	16	1.5	12.5	26.0	34.9	36.1	29.9	37.8
Petroleum, refining.....	147	13,929	40	0.2	236,908	24	1.1	37,725	40	0.4	-16.9	37.4	35.4	41.2	5.9	69.0
Electrical machinery, apparatus, and supplies.....	1,099	87,256	17	1.3	221,309	25	1.1	112,743	20	1.3	44.3	45.9	57.2	52.3	52.4	72.1
Liquors, distilled.....	613	6,430	43	0.1	294,699	26	1.0	168,722	12	2.0	20.1	44.0	55.9	35.6	59.7	29.4
Hosiery and knit goods.....	1,374	129,275	12	2.0	290,144	27	1.0	89,963	23	1.1	24.2	24.4	46.0	43.0	49.1	35.6
Copper, tin, and sheet-iron products.....	4,228	73,615	20	1.1	196,824	28	1.0	87,242	25	1.0	38.8	38.4	66.6	53.1	55.8	56.1
Silk and silk goods, including throwsters.....	852	99,037	15	1.5	196,912	29	1.0	89,145	24	1.0	24.4	21.7	47.7	24.3	55.2	28.0
Smelting and refining, lead.....	28	7,424	42	0.1	167,406	30	0.8	15,443	43	0.2	-2.0	-9.0	-9.9	5.9	-8.5	-46.1
Gas, illuminating and heating.....	1,296	37,215	32	0.6	166,814	31	0.8	114,386	19	1.3	21.8	36.1	33.3	65.3	30.0	59.6
Carriages and wagons and materials.....	5,492	69,928	21	1.1	159,893	32	0.8	77,942	28	0.9	-10.2	5.5	2.6	12.7	-0.5	9.6
Canning and preserving.....	3,767	50,968	24	0.9	157,101	33	0.8	55,278	31	0.7	5.3	-0.1	20.4	31.3	16.8	32.7
Brass and bronze products.....	1,021	40,618	29	0.6	149,989	34	0.7	50,761	34	0.6	22.5	22.1	46.5	15.5	38.1	33.8
Oil, cottonseed, and cake.....	817	17,071	37	0.3	147,868	35	0.7	29,635	42	0.3	9.9	41.2	53.4	64.2	71.2	20.8
Agricultural implements.....	640	50,551	26	0.8	146,329	36	0.7	86,022	26	1.0	6.7	1.7	30.6	10.7	35.0	11.3
Patent medicines and compounds and druggists' preparations.....	3,642	22,895	35	0.3	141,942	37	0.7	91,566	22	1.1	11.8	7.6	20.9	32.3	17.5	37.1
Confectionery.....	1,944	44,638	27	0.7	134,736	38	0.7	53,645	32	0.6	23.2	34.9	54.8	43.6	40.1	51.4
Paint and varnish.....	791	14,240	39	0.2	124,889	39	0.6	45,573	35	0.5	22.4	20.0	37.5	30.6	47.9	24.9
Cars, steam-railroad, not including operations of railroad companies.....	110	43,086	28	0.7	123,730	40	0.6	44,977	37	0.5	26.5	1.8	11.3	22.8	26.6	23.5
Chemicals.....	349	23,714	34	0.4	117,680	41	0.6	53,567	33	0.6	19.7	4.1	56.5	20.1	61.5	18.0
Marble and stone work.....	4,964	65,033	22	1.0	113,093	42	0.5	75,696	29	0.9	28.4	22.6	33.3	33.3	29.9	38.4
Leather goods.....	2,375	34,907	33	0.5	104,719	43	0.5	44,692	38	0.5	2.1	16.8	27.5	35.9	18.0	38.5
All other industries.....	61,887	1,648,441	.....	24.9	4,561,002	.....	22.0	2,084,399	.....	24.4	18.5	23.9	41.8	41.5	36.6	47.1

<sup>1</sup> Per cent of increase is based on figures in Table 110. A minus sign (-) denotes decrease.

The table shows very great differences among the several industries with respect to the percentages of increase in the number of wage earners, value of products, and value added by manufacture. The great majority of the industries, however, show an

increase in each of these items for each of the five-year periods, the exceptions being the sugar industry and the smelting and refining of lead, which show a decrease in one or more items for each five-year period; the refining of petroleum, which shows a

PER CENT DISTRIBUTION OF VALUE OF PRODUCTS,  
BY INDUSTRIES: 1909.PER CENT DISTRIBUTION OF AVERAGE NUMBER OF  
WAGE EARNERS, BY INDUSTRIES: 1909.

decrease in one item, and the manufacture of carriages and wagons, which shows a decrease in two items, for the period 1904 to 1909; and the blast-furnace industry and the canning and preserving industry, which show a decrease in one item each during the period 1899 to 1904.

By far the highest percentages of increase are shown for the automobile industry, the gross value of products of which increased more than sevenfold during the five years 1904 to 1909, and more than fiftyfold during the decade as a whole. Other industries which show exceptionally large increases for both five-year periods in all three items are the making of men's and of women's clothing, the bakery and the butter, cheese, and condensed-milk industries, the manufacture of electrical machinery, apparatus, and supplies, and of copper, tin, and sheet-iron products, the distillery industry, the manufacture of hosiery and knit goods and of silk and silk goods, the illuminating-gas industry, the manufacture of brass and bronze products, and the confectionery, paint and varnish, and marble and stone work industries. It is interesting to note that the group of "all other industries," which in-

cludes the less important industries of the country, shows greater percentages of increase than all industries combined, thus indicating possibly an increased tendency toward diversification in manufacturing industries.

The percentage of increase in all three of the items—number of wage earners, gross value of products, and value added by manufacture—was greater during the second five-year period (1904 to 1909) than during the first (1899 to 1904) in the slaughtering and meat-packing and foundry and machine-shop industries, the manufacture of cotton goods, the men's clothing, boot and shoe, and woollen-goods industries, the smelting and refining of copper, the manufacture of automobiles, silk and silk goods, brass and bronze products, agricultural implements, and paint and varnish, the steel works and rolling mills, and the chemical industry. On the other hand, the percentage of increase in all three items was less during the later five-year period than during the earlier in the flour-mill and gristmill, railroad repair shop, bakery, women's clothing, paper and wood pulp, petroleum refining, furniture, illuminating gas, carriage and wagon, and leather-goods industries.

In all the other industries covered by the table the increases during the second period are in some items greater than during the first period, while in other items they are less, or else the industry shows a decrease during one or both periods.

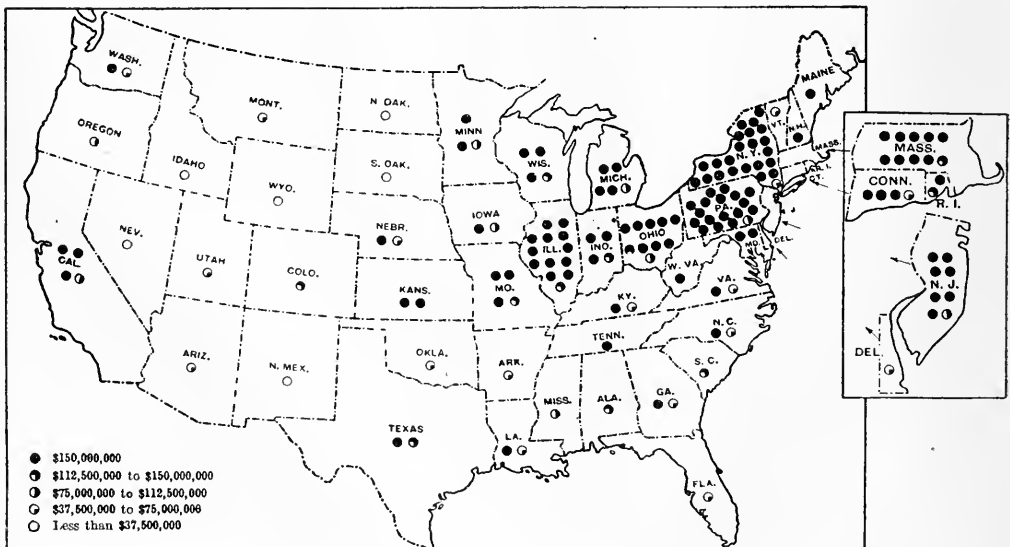
In considering the relative importance of the industries shown in Table 110 and not included in Table 4, it should be noted that there are several industries listed the figures given for which fall far short of being a complete presentation of the statistics for that branch of manufactures covered by the industry designation, for the reason that they cover only establishments engaged primarily in manufacturing the class of products indicated by this designation, while large quantities of the same products are manufactured incidentally by establishments classified under other heads. Some conspicuous examples are the manufacture of glue, candles, lard, and fertilizers, and the dyeing and finishing of textiles. A large proportion of the glue, lard, and fertilizers are manufactured by slaughtering and meat-packing establishments, and quantities of fertilizers are also made in cottonseed-oil mills. The dyeing and finishing of textiles is done largely in the establishments that manufacture the fabric. Candles are manufactured in establishments classified under the head of "soap" and in those engaged in the manufacture of petroleum products. For reasons of this character the roasting and grinding of coffee and spice, and the manufacture of fertilizers, food preparations, and rubber goods, and the soap industry, for each of which products valued at over \$100,000,000 were reported, are not shown in Table 4.

**Summary by states and geographic divisions.**—Table 5 on the next page shows, for each state, the population, also the number of wage earners, value of products, and value added by manufacture in 1909, together with the rank of the state with respect to each of these items and the percentage of the total reported from each state. It also shows the percentage of increase with respect to each of these three items from 1904 to 1909 and from 1899 to 1904, respectively. The states are arranged in the order of their rank with respect to value of products.

The first seven states in respect to value of products are also the first seven in respect to number of wage earners and value added by manufacture. Each of these seven states has the same rank in all three respects except that Illinois, which is third in value of products and value added by manufacture, ranks fourth in number of wage earners, Massachusetts advancing to third place. These seven states together reported over three-fifths of the total value of manufactured products for the United States.

Most of the other states show approximately the same rank in each of the three items, but there are several states in which, because of the large proportion which the cost of materials represents of the total value of products, the rank according to value of products is materially higher than that in number of wage earners or in value added by manufacture. This is particularly true of states in which the flour-mill and slaughtering industries are the most important. The most noteworthy case of this character is Kansas, which ranks four-

VALUE OF PRODUCTS OF MANUFACTURES: 1909.





teenth in value of products, but only thirty-third in number of wage earners and twenty-eighth in value added by manufacture.

With only one exception all of the states show an increase in each of the three items from 1904 to 1909; in Montana, however, the value added by manufacture shows a decrease for this period, due largely to merely technical differences in methods of accounting in the smelting industry, which is the principal one in that state. A few of the states showed a decrease in one or more items for the period 1899 to 1904.

The greatest percentages of increase are naturally in those states in which the development of manufacturing industries is comparatively recent. Thus Texas, Washington, Oregon, Utah, Oklahoma, Idaho, North Dakota, and Nevada show exceptionally high rates of increase for both five-year periods. Among the 10 states which are most important in manufacturing the most conspicuous advances are in Ohio, New Jersey, and Michigan. The absolute increase, as distinguished from the percentage of increase, was greater in New York, the leading manufacturing state, than in any other state.

Table 5

STATE.	Population.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		PER CENT OF INCREASE. <sup>1</sup>					
			Average number.	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Amount (expressed in thousands).	Per cent distribution.	Wage earners (average number).		Value of products.		Value added by manufacture.	
									1904-1909	1899-1904	1904-1909	1899-1904	1901-1909	1899-1904
United States.....	91,972,266	268,491	6,615,046	100.0	\$20,672,062	100.0	\$8,529,261	100.0	21.0	16.0	39.7	29.7	35.5	30.3
New York.....	9,113,614	44,935	1,003,981	15.2	3,369,490	16.3	1,512,586	17.7	17.2	17.9	35.4	32.9	32.7	33.5
Pennsylvania.....	7,665,111	27,562	877,543	13.3	2,626,742	12.7	1,044,182	12.2	15.0	15.0	34.3	18.5	28.5	17.5
Illinois.....	5,638,591	18,026	465,764	7.0	1,919,277	9.3	758,530	8.9	22.8	14.0	36.1	25.3	33.0	29.8
Massachusetts.....	3,366,416	11,684	884,559	13.4	1,490,529	7.2	659,764	7.7	19.7	11.4	32.6	23.8	32.6	21.7
Ohio.....	4,767,121	15,138	446,934	6.8	1,437,936	7.0	613,734	7.2	22.7	18.2	49.7	28.3	41.7	27.6
New Jersey.....	2,537,167	8,817	326,223	4.9	1,145,529	5.5	425,496	5.0	22.5	24.5	47.9	40.0	40.0	39.2
Michigan.....	2,810,173	9,159	231,499	3.5	1,085,109	5.3	316,497	3.7	32.1	12.5	59.7	34.2	59.0	38.5
Wisconsin.....	2,333,860	9,721	182,583	2.8	590,306	2.9	243,949	2.9	20.6	10.1	45.6	25.8	32.7	30.4
Indiana.....	2,700,876	7,969	186,984	2.8	579,075	2.8	244,700	2.9	21.3	10.9	47.0	16.9	41.1	22.2
Missouri.....	3,293,335	8,375	152,993	2.3	574,111	2.8	219,700	2.6	14.9	23.6	30.6	39.0	17.3	41.1
California.....	2,377,549	7,659	115,296	1.7	529,761	2.6	204,523	2.4	14.9	30.0	44.3	42.7	35.0	63.8
Connecticut.....	1,114,756	4,251	210,792	3.2	490,272	2.4	233,013	2.7	16.1	13.7	32.8	17.1	31.1	22.2
Minnesota.....	2,075,708	5,561	84,767	1.3	409,420	2.0	127,798	1.5	21.7	7.9	33.0	37.6	31.3	22.6
Kansas.....	1,368,245	2,435	41,215	0.7	135,104	0.7	66,220	0.8	24.3	31.2	54.0	28.7	58.7	25.4
Maryland.....	1,295,346	4,537	107,921	1.6	315,669	1.5	116,620	1.4	14.6	(?)	29.7	15.3	24.9	14.2
Rhode Island.....	542,610	1,951	115,538	1.4	280,344	1.6	122,152	1.4	16.7	10.3	38.7	22.1	26.9	15.0
Texas.....	3,896,542	4,588	70,220	1.1	272,896	1.3	94,717	1.1	42.1	27.1	81.3	62.0	60.7	53.0
Idaho.....	2,224,771	5,528	61,635	0.9	259,238	1.2	88,531	22.0	16.6	11.4	61.4	20.8	53.4	22.6
Louisiana.....	1,656,388	2,516	76,165	2.1	223,949	1.1	89,084	21.0	36.4	36.6	40.2	67.3	28.5	92.7
Kentucky.....	2,289,905	4,776	65,400	2.7	232,754	2.0	111,975	1.6	9.4	15.6	40.1	26.3	53.0	23.9
Washington.....	1,141,990	3,674	69,120	2.6	220,746	2.1	102,858	17.1	52.9	43.4	71.4	81.9	64.2	92.5
Virginia.....	2,061,612	5,675	105,676	1.6	219,794	2.2	94,211	1.1	31.6	21.2	47.7	37.0	44.5	32.3
North Carolina.....	2,206,267	4,931	121,473	1.8	216,656	2.3	94,794	18.1	42.3	18.9	52.0	67.1	49.9	56.5
Georgia.....	2,606,121	4,792	104,588	1.6	302,652	2.4	98,939	23.9	12.8	11.4	34.8	26.8	47.4	49.2
Nebraska.....	1,192,214	2,500	24,336	0.7	199,019	2.5	47,938	3.1	20.1	8.5	28.5	18.9	55.3	-10.2
Tennessee.....	2,184,789	4,609	73,840	2.2	180,217	2.6	76,201	25.0	21.9	31.8	36.6	48.7	30.0	53.5
Maine.....	732,619	1,546	79,955	1.9	176,029	0.8	78,928	24.0	6.7	7.2	22.2	27.5	23.4	23.0
New Hampshire.....	430,572	1,961	78,658	2.0	164,581	2.8	66,424	27.0	20.3	-3.4	33.1	14.9	31.8	6.3
West Virginia.....	1,221,119	2,586	63,893	2.8	161,950	0.8	69,072	26.0	46.0	32.3	63.5	47.8	54.8	49.8
Alabama.....	2,138,093	3,398	72,148	2.4	145,962	3.0	62,519	29.0	16.0	18.0	39.7	51.4	28.3	42.8
Colorado.....	799,024	2,034	28,067	3.6	130,044	3.1	49,553	30.0	26.7	11.9	29.9	12.4	33.8	30.8
South Carolina.....	1,515,400	1,854	73,046	2.3	113,236	3.2	46,885	32.0	22.9	26.4	42.7	48.8	59.4	28.7
Oregon.....	672,765	2,246	28,750	3.5	93,005	3.3	42,453	35.0	55.2	28.1	67.5	51.7	74.3	57.7
Mississippi.....	1,797,114	2,598	50,384	3.1	80,555	3.4	45,629	34.0	30.2	44.4	40.2	70.4	37.8	84.3
Arkansas.....	1,574,449	2,925	44,882	3.2	74,916	3.5	39,981	36.0	35.9	5.0	39.1	35.0	24.7	48.5
Montana.....	376,053	677	11,655	4.1	73,272	3.6	24,092	38.0	30.1	-9.1	10.3	25.9	-5.5	12.4
Florida.....	752,619	2,159	37,473	0.9	72,890	3.7	46,762	33.0	30.5	18.7	44.9	47.1	38.5	58.3
Vermont.....	355,956	1,858	33,788	34.0	68,310	3.8	33,487	37.0	2.1	17.5	8.2	22.5	9.2	22.0
Utah.....	373,351	749	11,745	4.0	61,989	3.9	20,723	40.0	46.4	48.8	59.2	116.5	48.2	113.8
Oklahoma.....	1,657,155	2,310	13,143	39.2	53,682	4.0	19,529	41.0	189.9	129.1	119.5	200.7	142.1	198.3
Delaware.....	202,322	726	21,238	38.0	52,840	4.1	21,902	39.0	15.0	-10.2	28.4	-0.4	34.6	-1.9
Arizona.....	204,354	311	6,441	44.0	50,257	4.2	16,657	42.0	64.4	53.3	79.0	37.4	23.5	7.4
District of Columbia.....	331,069	518	7,707	43.0	25,289	4.3	15,042	43.0	22.4	2.3	37.7	11.8	41.5	18.7
Idaho.....	125,594	725	8,220	42.0	22,400	4.4	12,480	44.0	168.5	97.2	153.4	192.2	105.5	200.9
North Dakota.....	577,056	752	2,789	48.0	19,133	4.5	5,464	46.0	58.1	29.2	87.3	63.2	75.0	48.0
South Dakota.....	583,888	1,020	3,692	46.0	17,870	4.6	6,334	45.0	44.5	12.0	36.6	37.3	45.7	44.1
Nevada.....	81,875	177	2,257	49.0	11,887	4.7	3,331	45.0	181.1	59.1	283.9	145.5	139.8	145.1
New Mexico.....	327,301	313	4,143	45.0	7,898	4.8	4,637	47.0	19.1	39.7	38.4	40.5	33.0	68.3
Wyoming.....	145,965	268	2,867	47.0	6,249	4.9	3,641	48.0	56.3	-11.0	77.4	7.8	63.9	17.1

<sup>1</sup> Per cent of increase is based on figures in Table 11. A minus sign (-) denotes decrease.

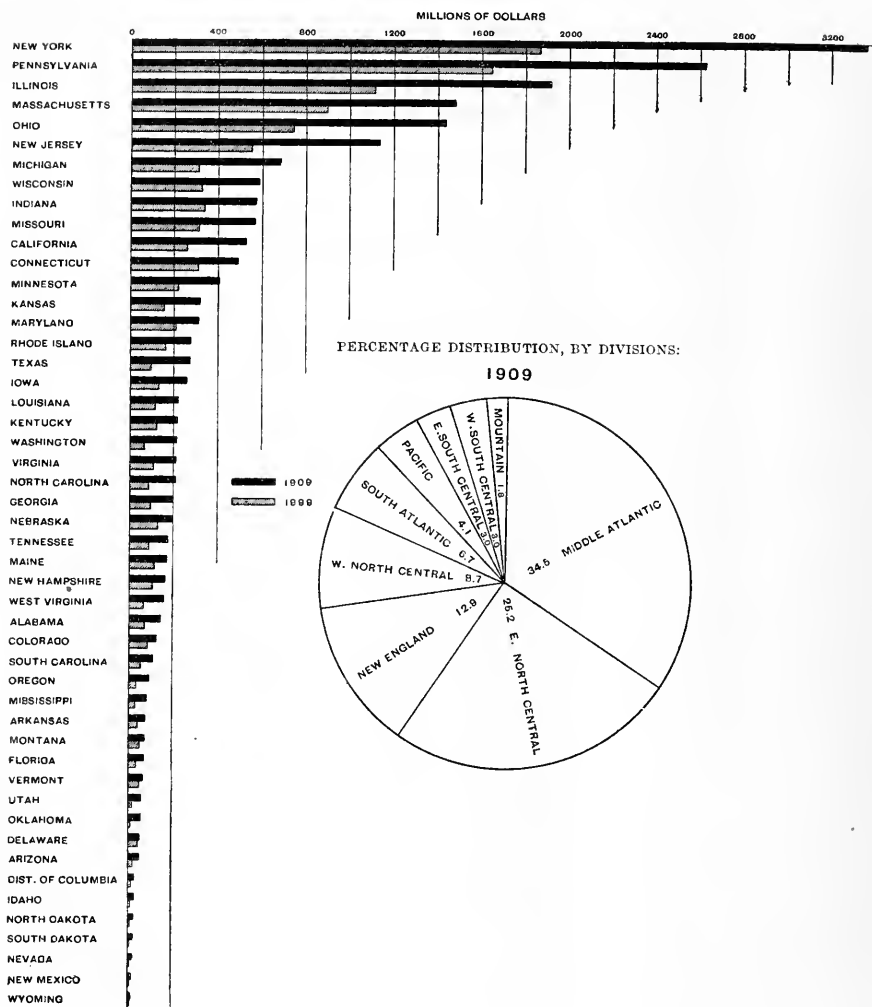
<sup>2</sup> Less than one-tenth of 1 per cent.

Table 6, on page 448, presents similar data for the nine grand geographic divisions of the United States, arranged in the order of their rank in value of products. The states included in each division are shown in Table 111.

The three Middle Atlantic states—New York, New Jersey, and Pennsylvania—together reported more than one-third of the total value of manufactured products

for the country; the East North Central states, about one-fourth; and the New England states, somewhat over one-eighth. These three divisions contributed 72.6 per cent of the total value of manufactured products in 1909; they showed, however, somewhat lower percentages of increase during the past decade than their other divisions, in which manufacturing is of more recent development.

VALUE OF PRODUCTS OF MANUFACTURES, BY STATES: 1909 AND 1899.



AVERAGE NUMBER OF WAGE EARNERS, BY STATES: 1909 AND 1899.

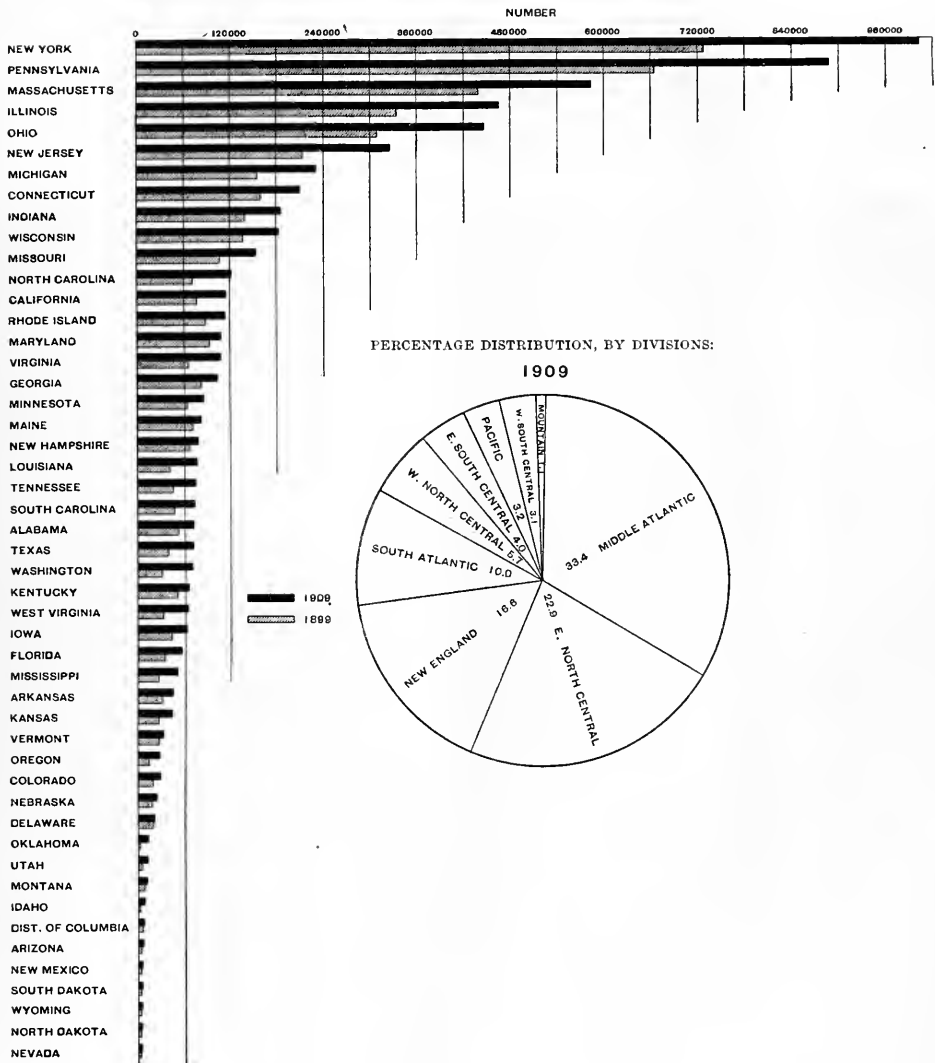


Table 6

Table 6	DIVISION.	Popula- tion.	Number of estab- lish- ments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		PER CENT OF INCREASE.							
				Average number.	Per cent dis- tribu- tion.	Amount (expressed in thou- sands).	Per cent dis- tribu- tion.	Amount (expressed in thou- sands).	Per cent dis- tribu- tion.	Wage earners (average number).	Value of products.	Value added by manu- facture.	1904- 1909	1899- 1904	1904- 1909	1899- 1904	
United States .....	91,972,266	268,491	6,615,046	100.0	\$20,672,052	100.0	\$8,529,261	100.0	21.0	16.0	39.7	29.7	35.5	30.8			
Middle Atlantic.....	19,315,892	81,315	2,297,747	1	33.4	7,141,761	1	34.5	2,982,263	1	35.0	17.0	17.6	36.9	28.1	32.2	28.0
East North Central.....	18,230,621	60,013	1,513,764	2	22.9	5,211,702	2	25.2	2,177,230	2	25.5	23.6	14.1	44.6	26.4	39.6	29.4
New England.....	6,532,681	25,351	1,101,290	3	16.6	2,670,065	3	12.9	1,195,768	3	14.0	17.1	10.4	31.8	22.0	31.2	20.3
West North Central.....	11,637,921	27,171	574,337	5	5.7	1,803,899	4	8.7	562,044	5	6.6	19.8	17.4	40.4	32.0	29.8	29.8
South Atlantic.....	12,194,895	28,088	663,015	4	10.0	1,381,186	5	6.7	591,181	4	6.9	26.9	14.0	41.8	36.8	39.5	34.1
Pacific.....	4,192,304	13,579	213,166	7	3.2	843,512	6	4.1	349,831	6	4.1	29.9	33.2	52.9	51.2	46.3	69.7
East South Central.....	8,409,901	15,351	261,772	6	4.0	630,488	7	3.0	294,325	7	3.4	18.3	24.8	35.8	42.8	38.7	42.8
West South Central.....	8,784,534	12,339	304,520	8	3.1	625,443	8	3.0	243,312	8	2.9	42.6	26.5	50.6	64.6	44.5	70.4
Mountain.....	2,633,517	5,254	75,435	9	1.1	363,996	9	1.8	135,304	9	1.6	42.9	18.6	42.9	32.8	32.8	33.6

**Summary for 50 leading cities: 1909.**—Table 7 presents, for the 50 cities which stand highest in value of manufactured products, arranged in order of rank, data similar to those presented for the geographic divisions in Table 6. It should be particularly noted in considering this table that the figures relate only to the manufacturing establishments situated actually within the boundaries of the several cities.

In the case of practically every city listed there are important manufacturing establishments in the immediate vicinity, and in the case of several of the cities such outside establishments, which virtually constitute a part of the city's industrial interests, have a greater value of products than those within the city itself. The most notable instances of this character are Pittsburgh and Boston, which would rank decidedly higher in a table based on metropolitan or industrial districts than they do in the table for cities proper. While the population of Pittsburgh proper is 533,905, the population of the metropolitan district of Pittsburgh, as defined by the Census Bureau, is 1,042,855. Similarly, the population of the Boston metropolitan district is 1,520,470, as compared with 670,585 for the city proper. Further details regarding the manufactures of the 25 leading cities are given in Table 112.

The rank of the cities of the country with respect to manufactures is in many cases decidedly different from their rank in population. Thus Boston ranks fifth in population, but eighth in value of manufactured products; Baltimore, seventh in population, but thirteenth in value of manufactured products; and Los Angeles, sixteenth in population, but thirty-second in value of products. Kansas City, Kans., on the other hand, by reason of the large slaughtering establishments there, ranks fifteenth in value of manufactured products, but is not among the 50 principal cities from the standpoint of population. Of the 50 cities in the United States which have over 100,000 inhabitants, 14 are not included among the 50 cities having the largest value of manufactures.

In the case of some of the cities listed in the table, the rank with respect to the number of wage earners and the value added by manufacture is very different from that with respect to the gross value of products, these differences being dependent upon the character of the predominating industries. It is noteworthy, however, that the 13 cities which rank highest in gross value of products are also the 13 which occupy the highest rank with respect to wage earners and value added by manufacture, although considered individually these cities do not in all cases hold the same rank in each of the three respects. Conspicuous instances of cities having higher rank in gross value of products than in number of wage earners or value added by manufacture are Kansas City, Kans., South Omaha, Youngstown, Bayonne, and Perth Amboy. On the other hand, cities which lead in the manufacture of textiles, such as Lawrence, Fall River, Lowell, New Bedford, and Paterson, have a decidedly higher rank with respect to number of wage earners than with respect to either value of products or value added by manufacture.

For every city listed in the table a greater gross value of products and, with the exception of Omaha, a greater value added by manufacture were reported in 1909 than in 1899. Only two cities—San Francisco and New Orleans—showed a loss in gross value in 1909 as compared with 1904, and only San Francisco a loss in value added by manufacture. Between 1899 and 1904, however, decreases in gross value of manufactures occurred in four cities. In number of wage earners, Pittsburgh, San Francisco, South Omaha, and Peoria showed a decline in 1909 as compared with 1899; several other cities showed decreases from 1899 to 1904, but these were more than made up during the second half of the decade. It may be noted that the statistics for the Pittsburgh industrial district, which is more comprehensive than the city, would show decided gains and that the decrease in the manufacturing industries in San Francisco is the natural result of the great earthquake and fire.

Of the cities reporting products of \$200,000,000 or more, Detroit showed the greatest percentage

of increase in all of the items under consideration and Cleveland the next greatest, with the exception of the number of wage earners, in which it was exceeded by Milwaukee. Among the smaller manufacturing cities included in the table, those showing conspicuous

increases are Akron, Perth Amboy, Los Angeles, and Seattle.

In the case of most of the cities higher rates of increase in all three items are shown for the period 1904 to 1909 than for the period 1899 to 1904.

CITY.	Population.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		PER CENT OF INCREASE. <sup>1</sup>					
			Average number.	Rank.	Amount (expressed in thousands).	Rank.	Amount (expressed in thousands).	Rank.	Wage earners (average number).		Value of products.		Value added by manufacture.	
									1904-1909	1899-1904	1904-1909	1899-1904	1904-1909	1899-1904
New York, N. Y.	4,766,583	25,938	554,002	1	\$2,029,693	1	\$937,538	1	19.2	19.6	33.0	30.2	32.3	31.5
Chicago, Ill.	2,985,283	9,656	293,977	2	1,281,171	2	487,701	2	21.5	9.4	24.1	19.7	33.6	23.5
Philadelphia, Pa.	1,549,008	8,379	251,884	3	746,076	3	316,984	3	10.0	6	26.2	13.7	22.8	14.8
St. Louis, Mo.	687,029	2,467	87,371	4	328,495	4	140,306	4	5.6	27.6	22.9	38.0	8.3	41.0
Cleveland, Ohio.	500,663	2,148	84,728	5	271,961	5	117,046	6	32.3	15.7	28.2	23.4	57.4	18.2
Detroit, Mich.	465,766	2,036	81,011	6	252,992	6	122,774	5	67.1	26.3	97.3	45.1	99.1	49.1
Pittsburgh, Pa.	533,965	1,659	67,474	9	243,454	7	94,927	8	-5.8	-0.2	15.2	-3.2	9.5	-3.4
Boston, Mass.	670,585	3,155	19,037	8	237,457	8	112,880	7	17.7	11.9	28.8	13.3	28.8	11.5
Buffalo, N. Y.	423,715	1,233	51,412	13	218,804	9	82,966	12	18.0	27.1	48.5	39.5	39.4	48.7
Milwaukee, Wis.	373,857	1,764	59,502	12	208,324	10	87,703	10	37.2	5.2	51.0	24.5	31.1	30.8
Newark, N. J.	347,469	1,858	59,955	11	202,511	11	87,832	11	18.3	18.2	35.0	33.1	26.6	33.5
Cincinnati, Ohio.	363,591	2,184	60,192	10	194,616	12	92,584	9	2.7	6.6	17.1	17.2	11.8	17.8
Baltimore, Md.	558,485	2,502	71,444	7	186,978	13	79,954	13	9.8	-2.3	24.5	11.1	14.9	16.2
Minneapolis, Minn.	301,408	1,102	26,962	25	165,405	14	45,412	18	24.4	10.5	36.5	28.3	40.7	26.6
Kansas City, Kans.	82,331	165	12,294	42	164,081	15	19,091	44	16.8	11.0	70.1	20.6	56.4	12.9
San Francisco, Cal.	416,912	1,796	28,244	21	133,041	16	56,524	15	-26.5	18.0	-3.4	28.7	-8.1	49.1
Jersey City, N. J.	267,779	745	25,484	28	128,775	17	39,458	21	25.1	17.0	70.0	3.9	46.5	18.9
Indianapolis, Ind.	233,650	855	31,815	19	126,522	18	42,371	20	19.0	27.4	53.9	38.6	39.1	44.8
Providence, R. I.	224,326	1,080	46,381	14	120,241	19	55,471	16	16.9	2.7	30.7	16.8	32.0	16.3
Rochester, N. Y.	218,149	1,303	39,108	15	112,676	20	62,002	14	23.1	13.3	38.9	35.9	43.6	57.4
Louisville, Ky.	223,928	903	27,023	24	101,284	21	47,156	17	8.2	8.3	21.7	25.9	25.7	20.1
South Omaha, Neb.	26,259	71	6,306	48	92,436	22	14,763	48	11.4	-10.5	37.1	-3.0	79.6	-8.2
Youngstown, Ohio.	79,066	115	10,498	45	81,271	23	18,979	45	29.7	-6.7	73.5	38.2	62.6	6.3
Lawrence, Mass.	55,892	162	30,542	20	79,993	24	34,555	23	39.4	4.8	66.5	15.1	85.6	10.2
New Orleans, La.	339,075	848	17,186	37	78,794	25	30,062	28	-1.6	7.9	-3.2	41.7	33.1	52.4
Worcester, Mass.	145,986	580	28,221	22	77,148	26	34,547	25	23.8	0.9	47.9	11.4	37.5	7.8
Bayonne, N. J.	55,545	97	7,519	47	73,641	27	14,709	49	6.5	51.1	21.5	57.1	17.8	184.0
Akron, Ohio.	19,067	289	15,831	39	73,158	28	30,087	27	64.5	16.6	118.6	52.4	128.8	41.4
Perth Amboy, N. J.	32,121	80	5,866	50	73,093	29	9,161	50	48.5	97.0	110.0	147.5	104.3	65.2
Lynn, Mass.	89,336	431	27,368	23	71,503	30	30,142	26	27.1	31.5	30.0	39.8	54.6	50.5
Paterson, N. J.	125,690	702	32,004	18	69,584	31	34,856	22	12.3	-0.1	27.3	12.7	28.0	16.1
Los Angeles, Cal.	319,198	1,325	17,327	36	68,586	32	29,073	29	66.2	101.5	90.7	130.0	84.0	128.9
Bridgeport, Conn.	102,054	367	25,775	27	65,609	33	27,662	32	32.2	14.4	47.2	32.9	24.3	36.9
Fall River, Mass.	119,295	288	37,139	16	64,146	34	28,622	31	38.4	-12.4	47.6	11.2	64.7	-17.4
Peoria, Ill.	66,950	283	5,981	49	63,061	35	45,288	19	2.5	-2.7	4.4	35.6	1.6	41.2
Toledo, Ohio.	168,497	760	18,878	34	61,230	36	27,146	35	20.3	23.1	37.6	39.2	42.6	51.3
Omaha, Neb.	124,096	422	8,023	46	60,854	37	17,439	46	37.8	10.3	12.7	41.8	57.0	-38.8
Dayton, Ohio.	116,577	513	21,549	31	60,378	38	32,859	34	26.1	18.6	52.5	27.7	55.7	26.4
Lovell, Mass.	106,294	420	32,375	17	60,271	39	27,440	34	11.2	0.2	28.6	13.8	37.4	-4.6
Yonkers, N. Y.	79,803	158	12,711	41	59,334	40	16,132	47	30.0	29.4	76.9	93.9	57.9	31.7
St. Paul, Minn.	214,744	719	19,339	33	58,990	41	28,690	30	34.6	10.3	53.9	27.5	52.4	33.1
Kansas City, Mo.	248,381	902	14,643	40	54,704	42	23,742	38	32.6	13.8	53.8	50.8	47.9	45.1
New Bedford, Mass.	96,652	207	26,566	26	53,238	43	24,674	37	48.8	17.0	80.7	26.0	84.4	15.2
Denver, Colo.	213,381	766	12,058	43	51,538	44	20,611	43	24.7	13.8	40.6	-2.3	31.6	16.6
Reading, Pa.	96,071	452	24,145	29	51,135	45	21,287	42	33.7	6.9	67.7	-6.7	54.5	-12.1
New Haven, Conn.	133,605	590	23,547	30	51,071	46	26,752	36	9.8	21.8	28.8	13.7	26.5	12.7
Seattle, Wash.	237,194	751	11,331	44	50,569	47	21,884	39	77.3	43.9	99.0	65.8	96.1	71.0
Waterbury, Conn.	73,141	169	20,170	32	50,350	48	21,624	41	30.9	16.5	55.6	6.7	48.1	20.4
Syracuse, N. Y.	137,249	398	18,148	35	49,435	49	22,659	33	24.7	23.2	42.5	30.7	48.7	32.9
Camden, N. J.	94,538	305	16,527	38	49,138	50	21,754	40	30.5	63.2	46.3	86.9	65.3	74.9

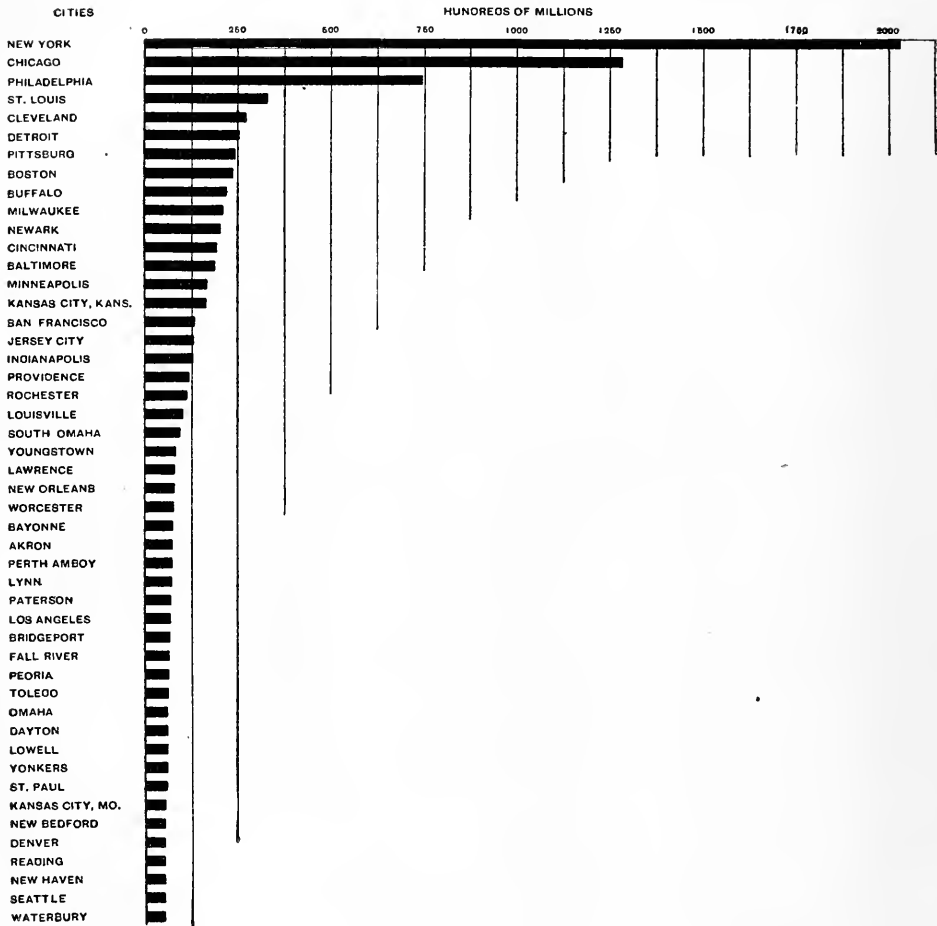
<sup>1</sup> Per cent of increase is based on figures in Table 113. A minus sign (-) denotes decrease.

**Distribution according to size of communities.**—It is a matter of interest to know the extent to which the manufacturing enterprises of the country are located in the larger cities as compared with the smaller cities and rural districts. Some indication of this is given in Table 8, on page 451, which distributes the total number of establishments, average number of wage earners, value of products, and value added by manufacture reported in 1909 and 1899 by classes of places, the classes distinguished being cities of 100,000 inhabitants or over, cities of 25,000 to 100,000 inhabitants, cities of 10,000 to 25,000 inhabitants, and the remainder of the country, the latter including the

smaller cities, towns, and other incorporated places and the rural districts. The aggregate population of each group in 1910 and 1900 is also given. Statistics for 1904 are not given because there was no Federal census of population for that year, and it is impossible to determine with accuracy what cities belonged to each group.

In considering this table it should be noted that each place is classed at each census according to its population at that census, so that the same community may be in one class in 1900 and in another class in 1910; and consequently the change in the totals for any given class of communities from 1899 to 1909 should not be

## VALUE OF PRODUCTS FOR PRINCIPAL CITIES: 1909.



taken as measuring the increase in manufacturing business in the same communities. The significant figures are the percentages of the totals reported by each class of places at the two censuses. It should be noted further that the statistics of manufactures shown for any given community are those reported from establishments lying strictly within the municipal

boundaries. Since in many cases large manufacturing establishments are located just outside of city boundaries, the proportion of the manufacturing business of the country as a whole which, in a sense, can be properly credited to places of 10,000 or more inhabitants is somewhat greater than can be shown by the statistics in this table.

Table 8

	Year.	Aggregate.	CITIES AND TOWNS HAVING A POPULATION OF 10,000 AND OVER.								DISTRICTS OUTSIDE OF CITIES AND TOWNS HAVING A POPULATION OF 10,000 AND OVER.	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.		Number or amount.	Per cent distribution.
			Number or amount.	Per cent distribution.	Number or amount.	Per cent distribution.	Number or amount.	Per cent distribution.	Number or amount.	Per cent distribution.		
Number of cities.....	1910		593		365		178		50			
	1900		436		277		122		37			
Population.....	1910	91,972,296	34,002,692	37.0	5,495,594	6.0	8,204,960	8.9	20,302,138	22.1	57,969,574	63.0
	1900	75,994,575	24,052,670	31.7	4,297,118	5.7	5,547,205	7.3	14,208,347	18.7	51,941,905	68.3
Number of establishments.....	1909	268,491	135,772	50.6	18,936	7.1	27,061	10.1	89,775	33.4	132,719	49.4
	1899	207,514	102,918	49.6	15,463	7.5	20,147	9.7	67,308	32.4	104,596	50.4
Average number of wage earners.	1909	6,615,046	4,316,642	65.3	678,467	10.3	1,126,253	17.0	2,511,922	38.0	2,298,404	34.7
	1899	4,712,763	3,044,439	64.6	524,900	11.1	767,293	16.3	1,752,246	37.2	1,668,324	35.4
Value of products.....	1909	\$20,672,051,870	\$14,264,878,807	69.0	\$1,946,703,215	9.4	\$3,582,403,574	17.3	\$8,735,772,018	42.3	\$6,407,173,063	31.0
	1899	11,406,926,701	7,864,564,177	68.9	1,052,639,594	9.2	1,843,124,795	16.1	4,968,799,788	43.6	3,542,362,524	31.1
Value added by manufacture..	1909	8,529,260,992	6,003,005,285	70.4	801,766,297	9.4	1,431,652,146	16.8	3,769,586,842	44.2	2,525,255,707	29.6
	1899	4,831,075,210	3,377,477,927	69.9	458,679,363	9.5	773,117,708	16.0	2,145,680,856	44.4	1,453,597,283	30.1

In 1909 places of more than 10,000 inhabitants, although they included only 37 per cent of the total population of the country, contained a little over one-half of the total number of manufacturing establishments in the country. These establishments employed nearly two-thirds of the wage earners employed in manufactures (65.3 per cent), and reported more than two-thirds of the total value of products and of the value added by manufacture, the actual percentages being 69 and 70.4, respectively.

It is noteworthy, however, that, whereas communities of this size contained a materially larger proportion of the population of the country in 1910 than they did in 1900—37 per cent as against 31.7 per cent—there was only a very slight increase in their proportion of the total number of manufacturing establishments and of wage earners, and of the total value added by manufacture, and practically no change in their proportion of the total value of products. In other words, while these communities, considered as a

group, have perhaps a little more than held their own in relative importance in manufacturing industry, they have not gained in this respect commensurately with their gain in population. The foregoing statement regarding this group as a whole holds true likewise for the class of cities having from 25,000 to 100,000 inhabitants and for the class having 100,000 or more inhabitants, except that for the latter group there was a slight decrease in the proportion of the value of products and value added by manufacture. On the other hand, the class of communities having from 10,000 to 25,000 inhabitants reported a slight increase in its proportion of the total population in 1910 as compared with 1900, and a slightly larger proportion of the total value of products in 1909 than in 1899, although in respect to number of establishments, average number of wage earners, and value added by manufacture, the proportion for such communities was slightly lower in the later year than in the earlier.

#### PERSONS ENGAGED IN MANUFACTURING INDUSTRIES.

**Definitions and explanations.**—Attention is called to certain differences between the census of 1909 and previous censuses in respect to the manner of collecting and presenting statistics of persons engaged in manufacturing industries.

At the censuses of 1899, 1904, and 1909 the following general classes of persons engaged in manufacturing industries were distinguished: (1) Proprietors and firm members, (2) salaried officers of corporations, (3) superintendents and managers, (4) clerks, and (5)

wage earners. In the reports for the censuses of 1904 and 1899 these five classes were shown according to the three main groups: (1) Proprietors and firm members, (2) salaried officials, clerks, etc., and (3) wage earners. The second group included the three classes of salaried officers of corporations, superintendents and managers, and clerks. In certain tables relating exclusively to the present census a somewhat different grouping is employed—that into (1) proprietors and officials, (2) clerks, and (3) wage earners. The first

group includes proprietors and firm members, salaried officers of corporations, and superintendents and managers. In comparative tables covering the censuses of 1899 and 1904 it is of course necessary to group the figures for 1909 according to the same classification that was employed in the earlier censuses.

At this census the number of persons engaged in the industries, segregated by sex, and, in the case of wage earners, also by age (whether under 16 or 16 and over), was reported for December 15, or the nearest representative day. The 15th of December was selected as representing for most industries normal conditions of employment, but where conditions were exceptional, and particularly in the case of certain seasonal industries, such as canning, the December date could not be accepted as typical and an earlier date had to be chosen.

In the case of employees other than wage earners the number thus reported on December 15 or other representative day has been treated as equivalent to the average for the year, since the number of employees of this class does not vary much from month to month in a given industry. In the case of wage earners the average is obtained in the manner explained in the next paragraph.

In addition to the more detailed report by sex and age of the number of wage earners on December 15 or other representative day, a report was obtained of the number employed on the 15th of each month, without distinction of sex or age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported each month by 12. The average thus obtained represents the number of wage earners that would be required to perform the work done if all were constantly employed during the entire year. Accordingly, the importance of any industry as an employer of labor is believed to be more accurately measured by this average than by the number employed at any one time or on a given day.

The number of wage earners reported for the representative day, though given in certain tables for each separate industry, is not totaled for all industries combined, because in view of the variations of date such a total is believed not to be significant. It would involve more or less duplication of persons working in different industries at different times, would not represent the total number employed in all industries at any one time, and would give an undue weight to seasonal industries as compared with industries in continual operation.

In particular, totals by sex and age for the wage earners reported for the representative day for all industries combined would be misleading because of the undue weight given to seasonal industries, in some of which, such as canning and preserving, the distribution of the wage earners by sex and age is materially

different from that in most industries of more regular operation. In order to determine as nearly as possible the sex and age distribution of the average number of wage earners for a given state as a whole, the per cent distribution by sex and age of the wage earners in each industry for December 15 or the nearest representative day has been calculated from the actual numbers reported for that date. The percentages thus obtained have been applied to the average number of wage earners for the year in that industry, to determine the average number of men, women, and children employed. These calculated averages for the several industries have been added up to give the average distribution for each state as a whole and for the entire country.

In 1899 and 1904 the schedule called for the average number of wage earners of each sex 16 years and over, and the average number under 16 years of age without distinction of sex, for each month, and these monthly statements were combined in an annual average. Comparatively few manufacturing concerns, however, keep their books in such way as to show readily the number of men, women, and children employed on the average each month. These monthly returns by sex and age were, in fact, largely estimates. It was believed that a more accurate and reliable sex and age distribution could be secured by taking as a basis of estimate the actual numbers employed on a single day.

**Summary for United States: 1909.**—The following table shows, for 1909, the distribution of the persons engaged in manufacturing, each class being distributed by sex, and the average number of wage earners by age also:

CLASS.	PERSONS ENGAGED IN MANUFACTURES.		
	Total.	Male.	Female.
<b>All classes.....</b>	<b>7,678,578</b>	<b>6,162,263</b>	<b>1,516,315</b>
Proprietors and officials.....	487,173	472,914	14,259
Proprietors and firm members.....	273,265	263,673	9,592
Salaried officers of corporations.....	80,735	78,537	1,798
Superintendents and managers.....	133,173	130,304	2,869
Clerks.....	576,359	437,056	139,303
Wage earners (average number).....	6,615,046	5,252,293	1,362,753
16 years of age and over.....	6,433,533	5,163,164	1,290,389
Under 16 years of age.....	161,493	89,129	72,364

The average number of persons engaged in manufacturing industries during 1909 was 7,678,578. Of these, 6,615,046, or 86.1 per cent, were wage earners; 487,173, or 6.3 per cent, proprietors and officials; and 576,359, or 7.5 per cent, clerks. Of the wage earners, 5,163,164 were males 16 years of age and over; 1,290,389 females 16 years of age and over; and 161,493 children under the age of 16.

Statistics of employees for the last three censuses are given for individual industries in Table 110, and for each state and geographic division in Table 111.



**Occupational status by leading industries: 1909.—**  
The following table shows for the 43 leading industries the number of proprietors, officers of corporations, superintendents and managers, clerks, and wage earners,

respectively, and the percentage which the persons included in each of the principal groups represent of the total number employed. The figures for wage earners represent the average number for the year.

Table 10

PERSONS ENGAGED IN MANUFACTURES.

INDUSTRY.	Total number.	Proprietors and officials.					Clerks.	Wage earners (average number).	Per cent of total.		
		Total.	Proprietors and firm members.	Salaried officials of corporations.	Superintendents and managers.				Proprietors and officials.	Clerks.	Wage earners (average number).
<b>All Industries.....</b>	<b>7,678,578</b>	<b>487,173</b>	<b>273,265</b>	<b>80,735</b>	<b>133,173</b>	<b>576,359</b>	<b>6,615,046</b>	<b>6.3</b>	<b>7.5</b>	<b>86.1</b>	
Agricultural implements.....	60,229	2,489	465	569	1,455	7,189	50,551	4.1	11.9	83.9	
Automobiles, including bodies and parts.....	85,359	2,564	408	758	1,401	7,074	75,721	3.0	8.3	88.7	
Boots and shoes, including cut stock and findings.....	215,925	5,732	1,838	1,027	2,887	11,874	198,297	2.7	5.5	91.8	
Brass and bronze products.....	45,441	2,160	828	384	748	2,463	40,618	4.8	5.9	89.4	
Bread and other bakery products.....	144,322	29,136	26,982	801	1,353	14,970	100,216	20.2	10.4	69.4	
Butter, cheese, and condensed milk.....	31,506	10,480	8,019	1,032	1,429	2,595	18,431	33.3	8.2	58.5	
Canning and preserving.....	71,972	6,920	4,244	968	1,708	5,084	59,968	9.6	7.1	83.3	
Carriages and wagons and materials.....	82,944	8,844	6,213	1,166	1,465	4,172	69,928	10.7	5.0	84.3	
Cars and general shop construction and repairs by steam-railroad companies.....	301,273	6,974	2	1,877	5,095	12,125	282,174	2.3	4.0	93.7	
Cars, steam-railroad, not including operations of railroad companies.....	47,094	1,041	7	241	793	2,967	43,086	2.2	6.3	91.5	
Chemicals.....	27,791	1,086	154	367	565	2,991	23,714	3.9	10.8	85.3	
Clothing, men's, including shirts.....	271,437	12,041	8,502	1,089	2,450	19,700	239,696	4.4	7.3	88.3	
Clothing, women's.....	179,021	9,281	6,482	842	1,957	15,997	153,743	5.2	8.9	85.9	
Confectionery.....	54,534	3,362	1,824	706	794	6,834	44,638	6.1	12.5	81.4	
Copper, tin, and sheet-iron products.....	86,934	7,268	4,723	1,288	1,558	6,650	73,615	8.4	7.0	84.7	
Cotton goods, including cotton small wares.....	387,771	4,461	377	1,726	2,358	4,430	378,880	1.2	1.1	97.7	
Electrical machinery, apparatus, and supplies.....	105,090	4,121	499	2,085	1,537	14,223	87,256	3.9	13.5	82.5	
Flour-mill and gristmill products.....	66,054	18,763	14,570	1,480	2,707	7,838	39,453	28.4	11.9	59.7	
Foundry and machine-shop products.....	615,485	31,665	9,851	9,348	12,466	52,809	531,011	5.1	8.6	86.3	
Furniture and refrigerators.....	144,140	7,281	2,657	2,170	2,454	8,407	128,452	5.1	5.8	89.1	
Gas, illuminating and heating.....	51,007	2,986	277	960	1,719	10,806	37,215	5.9	21.2	73.0	
Hosiery and knit goods.....	136,130	3,308	1,134	799	1,375	3,547	129,275	2.4	2.6	95.0	
Iron and steel, blast furnaces.....	43,061	1,119	48	202	869	3,513	38,429	2.6	8.2	89.2	
Iron and steel, steel works and rolling mills.....	260,762	4,286	47	779	3,460	16,400	240,076	1.6	6.3	92.1	
Leather goods.....	43,325	4,209	2,552	760	897	4,469	34,907	9.7	10.1	80.2	
Leather, tanned, curried, and finished.....	67,100	2,331	784	629	918	2,567	62,202	3.5	3.8	92.7	
Liquors, distilled.....	8,228	563	331	217	331	757	6,466	13.3	21.7	65.0	
Liquors, malt.....	66,725	4,362	739	1,819	1,904	7,784	54,579	6.5	11.7	81.8	
Lumber and timber products.....	784,969	68,165	48,825	6,616	12,724	21,805	695,019	8.7	2.8	88.5	
Marble and stone work.....	77,275	8,453	6,026	867	1,560	3,219	65,603	10.9	4.2	84.9	
Oil, cottonseed, and cake.....	21,273	2,167	110	576	1,481	2,035	17,071	10.2	9.6	80.2	
Paint and varnish.....	21,896	2,016	456	793	767	5,640	14,240	9.2	25.8	65.0	
Paper and wood pulp.....	81,473	2,298	250	773	1,275	3,197	75,978	2.8	3.9	93.3	
Patent medicines and compounds and druggists' preparations.....	41,101	5,647	2,802	1,127	1,418	12,559	22,835	13.7	30.6	55.7	
Petroleum, refining.....	16,640	1,671	42	211	418	2,040	13,929	4.0	12.3	83.7	
Printing and publishing.....	388,466	49,332	30,424	7,255	11,643	80,700	258,434	12.7	20.8	66.5	
Silk and silk goods, including throwsters.....	105,228	2,236	480	1,022	3,965	99,037	94,664	2.1	3.8	94.1	
Slaughtering and meat packing.....	108,716	3,514	1,659	731	1,124	15,474	89,728	3.2	14.2	82.5	
Smelting and refining, copper.....	16,832	275	7	53	215	929	15,628	1.6	5.5	92.8	
Smelting and refining, lead.....	8,059	132	204	44	88	503	7,424	1.6	6.2	92.1	
Sugar and molasses, not including beet sugar.....	15,658	759	204	140	445	1,343	13,526	5.0	8.6	86.4	
Tobacco manufactures.....	197,637	21,012	17,634	809	2,569	9,815	166,810	10.6	5.0	84.4	
Woolen, worsted, and felt goods, and wool hats.....	175,176	3,192	732	782	1,678	3,262	168,722	1.8	1.9	96.3	
All other industries.....	1,916,361	117,832	59,096	23,511	35,025	149,988	1,648,441	6.2	7.8	86.0	

The highest proportion of proprietors and officials shown for any individual industry covered by the table, 33.3 per cent, is for the butter, cheese, and condensed-milk industry. Many of the establishments in this industry are carried on by cooperative associations, and the practice in 1909, as at prior censuses, was not to include the members of such associations as proprietors in the totals, but to omit them altogether. From the information contained in the reports, it is impossible, in some instances, to distinguish such associations from partnerships, and the large number of proprietors and officials shown for this industry indicates the probability that the members of some associations were inadvertently included as partners. The high percentage of proprietors and

officials in the flour-mill and gristmill and the bakery industries is explained by the fact that the majority of the establishments are small and the work is to a large extent done by the proprietors or their immediate representatives, while in the large flour mills automatic machinery has reduced the amount of labor to a minimum.

A factor which has much to do with the proportion of clerks among the total number of employees in an industry is the method of marketing the product. Thus there are high percentages of clerks in the manufacture of patent medicines and compounds and druggists' preparations, and in the paint and varnish, illuminating-gas, and printing and publishing industries. In these industries the average num-

ber of customers or patrons for each establishment is large and this necessitates a large force of employees for soliciting trade, correspondence, accounting, and collection.

In general, though not in all cases, the larger the average size of establishments in an industry, the smaller is the proportion of proprietors, officials, and clerks, and the larger the proportion of wage earners. Thus the four textile industries—the cotton, woolen, hosiery and knit-goods, and silk-manufacturing industries—which are mainly conducted in large factories, show the largest proportions of wage earners. An unusually large proportion of wage earners is shown also for the paper and pulp mills, the steel works and rolling mills, the construction of steam-railroad cars, the smelting and refining of copper and lead, the tanning and finishing of leather, boots and shoes, and the repair shops of steam railroads.

Comparison with previous censuses as to occupational status.—In order to compare the distribution of persons engaged in manufacturing industries according to occupational status in 1909 with that shown at the census of 1904, it is necessary to use the classification employed at the earlier census. (See p. 451.) Such a comparison is made in the following table. Comparable figures for 1899 are not available.

Table 11

CLASS.	PERSONS ENGAGED IN MANUFACTURES.				
	1909		1904		Per cent of increase, 1904-1909.
	Number.	Per cent distribution.	Number.	Per cent distribution.	
Total.....	7,678,578	100.0	6,213,612	100.0	23.6
Proprietors and firm members.....	273,265	3.6	225,673	3.6	21.1
Salaried employees.....	790,267	10.3	519,556	8.4	52.1
Wage earners (average number).....	6,615,046	86.1	5,468,383	88.0	21.0

A greater percentage of increase is shown for salaried employees than for the other two classes. This is due in part to the changes from individual and firm ownership to corporate organization, a change which frequently involves the transfer of proprietors and firm members to the class of officials. At the same time there is no doubt that the number of clerks here classified with the other salaried employees has increased relatively faster than the number of wage earners. This may indicate an increase of the practice on the part of the manufacturers of direct sale of

goods without the interposition of so many middlemen as formerly handled the product.

Sex and age distribution, by leading industries: 1909.—Table 12, on the opposite page, shows, for the 43 leading industries, the number and per cent distribution, by age and sex, of wage earners as reported for December 15, or the nearest representative day. As a means of judging the true importance of the several industries as employers of labor, the average number employed for the entire year is also given in each case, this number, in the case of seasonal industries, being much smaller than the number on the representative day. The per cent distribution for all industries combined, based on the average number employed as shown in Table 9, is also presented.

In all industries combined 78 per cent of the average number of wage earners were males 16 years of age or over, 19.5 per cent females 16 years of age or over, and 2.5 per cent children under the age of 16.

The industries for which the largest proportions of males 16 years of age or over are shown are those in which the work is of a nature requiring much physical strength or a high degree of skill. Thus in the smelting and refining of both copper and lead males 16 years of age or over constitute 99.9 per cent of the total number of wage earners, and in the blast furnaces they constitute 99.8 per cent. Other industries in which males of 16 years or over represent more than 99 per cent of the wage earners are the gas industry, construction of steam-railroad cars, steel works and rolling mills, marble and stone work, the repair shops of steam railroads, and the manufacture of cotton-seed oil.

The proportion of women and children, naturally, is larger in those industries in which the processes require dexterity rather than strength. In six of the industries covered by Table 12—the making of men's and women's clothing, the confectionery industry, and the manufacture of hosiery and knit goods, of patent medicines and compounds and druggists' preparations, and of silk and silk goods—more than half of the wage earners are females 16 years of age or over.

The proportion of wage earners under 16 years is larger in three of the textile industries—the cotton goods, silk and silk goods, and hosiery and knit-goods industries—than in any other of the principal industries of the country. The proportion is also relatively high in the canning and preserving, confectionery, and woolen-goods industries.

Table 12

INDUSTRY.	Average number.	WAGE EARNERS.						
		Number Dec. 15, or nearest representative day.				Per cent of total.		
		Total.	16 years of age and over.		Under 16 years of age.	16 years of age and over.		Under 16 years of age.
			Male.	Female.		Male.	Female.	
<b>All industries.....</b>	<b>6,015,046</b>	<b>(1)</b>	<b>(1)</b>	<b>(1)</b>	<b>(1)</b>	<b>78.0</b>	<b>19.5</b>	<b>2.5</b>
Agricultural implements.....	50,551	55,420	54,529	674	226	98.4	1.2	0.4
Automobiles, including bodies and parts.....	75,721	97,250	96,060	982	208	98.8	1.0	0.2
Boots and shoes, including cut stock and findings.....	198,257	211,507	132,411	70,457	8,639	62.6	33.3	4.1
Brass and bronze products.....	40,618	40,230	42,908	2,774	548	92.8	6.0	1.2
Bread and other bakery products.....	106,216	104,443	84,356	17,497	2,080	81.3	16.7	2.0
Butter, cheese, and condensed milk.....	18,431	19,323	17,743	1,468	112	91.8	7.6	0.1
Canning and preserving.....	59,968	155,847	67,219	77,593	11,035	43.1	49.8	7.6
Carriages and wagons and materials.....	69,928	72,783	71,104	1,126	553	97.7	1.5	0.8
Cars and general shop construction and repairs by steam-railroad companies.....	282,174	302,080	301,431	455	194	99.8	0.2	0.1
Cars, steam-railroad, not including operations of railroad companies.....	43,086	58,274	58,046	190	38	99.6	0.3	0.1
Chemicals.....	23,714	25,341	24,102	1,061	178	95.1	4.2	0.7
Clothing, men's, including shirts.....	239,696	257,128	109,139	142,781	5,208	42.4	55.5	2.0
Clothing, women's.....	153,743	162,859	58,316	103,063	1,480	35.8	63.3	0.9
Confectionery.....	44,638	52,421	18,836	30,453	3,132	35.9	58.1	6.0
Copper, tin, and sheet-iron products.....	75,615	78,909	66,797	9,716	2,396	84.6	12.3	3.0
Cotton goods, including cotton small wares.....	378,880	387,698	197,429	150,057	40,221	50.9	38.7	10.4
Electrical machinery, apparatus, and supplies.....	87,256	102,350	78,065	23,398	947	76.4	22.7	0.9
Flourmill and gristmill products.....	39,453	42,495	41,787	68	143	98.3	1.3	0.3
Furniture and machine-shop products.....	531,011	604,167	587,636	11,895	4,636	97.3	2.0	0.8
Furniture and refrigerators.....	128,452	138,839	132,176	3,677	2,976	95.2	2.6	2.1
Gas, illuminating and heating.....	37,215	37,396	37,308	71	17	99.8	0.2	(2)
Hosiery and knit goods.....	129,275	136,713	37,419	88,183	11,111	27.4	64.5	8.1
Iron and steel, blast furnaces.....	38,429	47,278	47,184	10	84	99.8	(2)	0.2
Iron and steel, steel works and rolling mills.....	240,076	284,264	281,801	1,114	1,349	99.1	0.4	0.5
Leather goods.....	34,907	36,502	29,808	5,738	896	81.8	15.7	2.5
Leather, tanned, curried, and finished.....	62,202	66,717	64,005	2,230	482	95.9	3.3	0.7
Liquors, distilled.....	6,430	8,130	7,008	1,111	11	86.2	13.7	0.1
Liquors, malt.....	54,579	54,135	52,865	1,060	230	97.7	1.9	0.4
Lumber and timber products.....	695,019	838,160	826,975	4,027	7,155	98.7	0.5	0.9
Marble and stone work.....	65,603	67,921	67,575	112	234	99.5	0.2	0.3
Oil, cottonseed, and cake.....	17,071	29,691	29,551	49	91	99.5	0.2	0.3
Paint and varnish.....	14,240	14,426	13,207	1,137	82	91.5	7.9	0.6
Paper and wood pulp.....	75,978	78,672	68,497	9,909	266	87.1	12.6	0.3
Patent medicines and compounds and druggists' preparations.....	22,886	24,083	11,503	12,672	568	46.6	51.3	2.1
Petroleum, refining.....	13,829	14,873	14,637	170	48	98.5	1.1	0.3
Printing and publishing.....	258,434	272,027	204,388	60,973	6,606	75.1	22.4	2.4
Silk and silk goods, including throwsters.....	99,037	102,369	35,785	58,441	8,143	35.0	57.1	8.0
Slaughtering and meat packing.....	89,725	94,854	88,352	5,960	542	93.1	6.3	0.6
Smelting and refining, copper.....	15,623	16,029	16,013	16	16	99.9	.....	0.1
Smelting and refining, lead.....	7,424	8,002	8,001	1	99.9	(2)	.....	.....
Sugar and molasses, not including beet sugar.....	13,526	25,134	24,686	376	132	98.0	1.5	0.5
Tobacco manufactures.....	166,810	181,036	90,417	84,193	6,426	49.9	46.5	3.6
Woolen, worsted, and felt goods, and wool hats.....	168,722	175,171	92,820	72,469	9,942	53.0	41.3	5.7

<sup>1</sup> No totals given for reasons explained on page 452.<sup>2</sup> Less than one-tenth of 1 per cent.

In addition to the industries shown in the above table, which were selected according to their importance with respect to gross value of products, certain others are of interest because of the relatively large number of women and children employed. Table 13, on the following page, shows the sex and age distribution of wage earners in all industries not covered by the preceding table in which there were at least 5,000 women, or in which the women constituted over 40 per cent of the wage earners and numbered not less than 500.

The table shows that there are a large number of industries, some of considerable importance, in which women 16 years of age or over represent more than 40 per cent of the total number of wage earners. In the manufacture of corsets, of artificial flowers, feathers, and plumes, and of steel pens, more than 80 per cent

of the wage earners are women. Other industries in which female wage earners 16 years of age or over constitute over three-fourths of the total number employed are the manufacture of men's furnishing goods and of millinery and lace goods, and the grading, roasting, cleaning, and shelling of peanuts. Large numbers of women are also employed in several industries listed in this table in which, however, the proportion which these represent of the total number of wage earners is less than 40 per cent.

Of the industries shown in Table 13, those in which the proportion of children under 16 years of age exceeds 5 per cent are the manufacture of bags, other than paper; cigar boxes; fancy and paper boxes; horse clothing; cordage and twine; needles, pins, and hooks and eyes; lead pencils; stationery goods, not elsewhere specified; and the cork-cutting industry.

Table 13

INDUSTRY.	Average number.	WAGE EARNERS.						
		Number Dec. 15, or nearest representative day.				Per cent of total.		
		Total	16 years of age and over.		Under 16 years of age.	16 years and over.		Under 16 years of age.
			Male	Female.		Male.	Female.	
Artificial flowers and feathers and plumes.....	10,016	10,769	1,416	9,017	336	13.1	83.7	3.1
Bowings, tents, and sails.....	4,242	4,043	2,264	1,715	64	56.0	42.4	1.6
Bags, other than paper.....	7,968	8,437	2,870	4,794	773	34.0	56.8	9.2
Bags, paper.....	3,212	3,299	1,680	1,561	58	50.9	47.3	1.8
Baking powders and yeast.....	2,155	2,273	1,199	1,020	54	52.7	44.9	2.4
Boots and shoes, rubber.....	17,612	18,528	10,995	7,060	473	59.3	38.1	2.6
Boxes, cigar.....	6,115	6,554	2,914	3,269	380	44.5	49.7	5.8
Boxes, fancy and paper.....	39,514	43,239	14,198	23,991	3,080	32.8	60.0	7.1
Buttons.....	16,427	17,873	10,721	6,530	622	60.0	36.5	3.5
Carpets and rugs, other than rag.....	33,367	35,874	19,601	15,589	1,414	56.2	39.7	4.1
Clocks and watches, including cases and materials.....	23,857	25,574	15,775	9,262	537	61.7	36.2	2.1
Clothing, horse.....	1,648	1,789	580	1,047	162	32.4	38.5	9.1
Cordage and twine and jute and linen goods.....	25,820	26,941	13,019	12,683	1,839	48.3	44.8	6.8
Cork, cutting.....	3,142	3,239	1,756	1,310	173	54.2	40.4	5.3
Corsets.....	17,504	18,152	2,291	15,234	627	12.6	83.9	3.5
Dyeing and finishing textiles.....	44,046	45,841	36,486	8,269	1,086	79.6	18.0	2.4
Fireworks.....	1,403	1,380	756	564	60	54.8	40.9	4.3
Flags, banners, regalia, society badges, and emblems.....	3,572	3,552	1,267	2,192	93	35.7	61.7	2.6
Flavoring extracts.....	1,229	1,270	722	522	26	56.8	41.1	2.0
Food preparations.....	14,968	17,786	12,070	5,449	267	67.9	30.6	1.5
Fur goods.....	11,927	14,450	8,539	5,853	58	59.1	40.5	0.4
Furnishing goods, men's.....	38,482	41,970	9,153	31,926	891	21.8	76.1	2.1
Gloves and mittens, leather.....	11,354	12,188	5,202	6,697	289	42.7	54.9	2.4
Gold and silver, leaf and foil.....	1,383	1,417	612	756	49	43.2	53.4	3.5
Hair work.....	3,534	3,885	1,338	2,464	83	34.4	63.4	2.1
Hats, fur-felt.....	25,064	30,292	21,182	8,468	642	69.9	28.0	2.1
Hats, straw.....	8,814	10,328	3,512	6,641	175	34.0	64.3	1.7
House-furnishing goods, not elsewhere specified.....	4,907	5,371	2,713	2,579	88	50.5	47.8	1.6
Jewelry.....	30,347	33,914	23,536	9,645	938	68.8	28.4	2.8
Jewelry and instrument cases.....	2,070	2,345	1,045	1,239	59	44.6	52.0	2.5
Millinery and lace goods.....	39,201	40,522	8,061	31,299	1,171	19.9	77.2	2.9
Needles, pins, and hooks and eyes.....	4,638	4,955	2,262	2,513	380	45.6	46.7	7.7
Paper goods, not elsewhere specified.....	19,211	20,500	10,141	6,707	652	49.5	47.4	3.2
Peanuts, grading, roasting, cleaning, and shelling.....	1,949	2,346	473	1,833	40	20.2	78.1	1.7
Pencils, lead.....	4,134	4,412	1,843	2,244	325	41.8	50.9	7.4
Pens, steel.....	699	729	113	591	25	15.5	81.1	3.4
Pottery, terra-cotta, and fire-clay products.....	56,168	60,842	53,159	6,799	884	87.4	11.2	1.5
Stationery goods, not elsewhere specified.....	6,206	6,417	3,405	2,635	377	53.1	41.1	5.9
Surgical appliances and artificial limbs.....	4,241	4,440	2,193	2,113	134	49.4	47.6	3.6
Umbrellas and canes.....	3,472	3,837	2,586	3,017	234	44.3	51.7	4.0

**Sex and age distribution, by states: 1909.**—Table 14 shows, for each geographic division and each state, the distribution of wage earners by sex and age and the per cent that each class represents of the total average number of wage earners. The numbers of each sex and each age period are obtained by applying to the average number employed in each industry in each state the percentages of each age and sex in the number of wage earners reported for December 15, or the nearest representative day, and then totaling the result, as more fully explained on page 452.

The relative number of males 16 years of age or over, females 16 years of age or over, and children under 16 employed in each state depends primarily upon the character of the industries in that state, but the number of persons under 16 employed is also affected by the legislation of the several states with regard to child labor. The largest proportions of female wage earners 16 years of age or over are found in the New England and Middle Atlantic divisions,

owing chiefly to the importance of the textile and clothing industries in these divisions. Next to these two divisions in this respect ranks the South Atlantic division, and in this division appears the largest proportion of wage earners under 16 years of age, 6.3 per cent. This large proportion is due chiefly to the predominance of the textile industries in the South Atlantic states. The proportions of females 16 years of age or over and of children under 16 are lowest in the West South Central, Mountain, and Pacific divisions, where the textile and clothing industries are relatively unimportant.

Among the individual states the largest proportion of female wage earners 16 years of age or over, 32.3 per cent, is found in Rhode Island, and the next largest proportion in New Hampshire, followed closely by Massachusetts and New York. The proportion of children employed is largest in South Carolina, 12.9 per cent, and next largest in North Carolina. Among the Northern states Rhode Island shows the largest percentage of children.

Table 14

Table 14		AVERAGE NUMBER OF WAGE EARNERS.				PER CENT OF TOTAL.			
DIVISION AND STATE.		Total.	16 years of age and over.		Under 16 years of age.	16 years of age and over.		Under 16 years of age.	
			Male.	Female.		Male.	Female.		
United States.....		6,615,046	5,163,164	1,230,389	161,493	78.1	19.5	2.4	
GEOGRAPHIC DIVISIONS:									
New England.....		1,101,290	769,639	307,076	33,575	69.1	27.9	3.0	
Middle Atlantic.....		2,267,747	1,618,967	644,316	44,464	73.3	24.7	2.9	
East North Central.....		1,513,764	1,271,013	220,194	22,557	84.0	14.5	1.5	
West North Central.....		374,337	311,140	57,471	5,726	83.1	15.4	1.5	
South Atlantic.....		665,015	517,456	103,703	41,856	78.0	15.6	6.3	
East South Central.....		261,772	228,788	24,965	7,989	87.4	9.5	3.1	
West South Central.....		204,520	191,353	9,724	3,443	93.6	4.7	1.7	
Mountain.....		75,435	71,142	3,834	459	94.3	5.1	0.6	
Pacific.....		213,166	192,066	19,076	1,424	90.4	8.9	0.7	
NEW ENGLAND:									
Maine.....		79,955	60,612	17,956	1,387	75.8	22.5	1.7	
New Hampshire.....		78,658	53,574	23,888	1,166	68.1	30.4	1.5	
Vermont.....		33,788	28,946	4,631	211	85.7	13.7	0.6	
Massachusetts.....		584,559	390,544	173,280	20,735	66.8	29.6	3.5	
Rhode Island.....		113,538	72,239	36,674	4,625	63.6	32.3	3.1	
Connecticut.....		216,792	154,724	59,647	5,421	73.4	24.0	2.6	
MIDDLE ATLANTIC:									
New York.....		1,003,981	702,637	293,525	7,819	70.0	29.2	0.8	
New Jersey.....		526,223	396,499	129,681	7,538	72.7	25.2	2.3	
Pennsylvania.....		877,543	679,831	168,605	29,107	77.5	19.2	3.3	
EAST NORTH CENTRAL:									
Ohio.....		446,934	372,694	68,996	5,244	83.4	15.4	1.2	
Indiana.....		186,984	161,117	22,255	3,612	86.2	11.9	1.9	
Illinois.....		465,764	382,691	76,156	6,917	82.2	16.3	1.5	
Michigan.....		231,499	197,777	31,205	2,517	85.4	13.5	1.1	
Wisconsin.....		182,585	156,734	21,582	4,267	85.8	11.8	2.3	
WEST NORTH CENTRAL:									
Minnesota.....		44,767	37,038	11,423	306	86.2	13.5	0.4	
Iowa.....		61,635	51,128	9,460	1,047	83.0	15.3	1.7	
Missouri.....		152,993	119,980	29,195	3,818	78.4	19.1	2.5	
North Dakota.....		2,789	2,489	243	57	89.2	8.7	2.0	
South Dakota.....		3,602	3,099	457	46	86.0	12.7	1.3	
Nebraska.....		24,336	20,763	3,356	217	85.3	13.8	0.9	
Kansas.....		44,215	40,643	3,337	235	91.9	7.5	0.5	
SOUTH ATLANTIC:									
Delaware.....		21,238	17,205	3,504	529	81.0	16.5	2.5	
Maryland.....		107,921	72,416	28,957	6,548	67.1	26.8	6.1	
District of Columbia.....		7,707	6,861	827	19	89.0	10.7	0.2	
Virginia.....		105,676	88,191	13,963	3,622	83.5	13.1	3.4	
West Virginia.....		63,892	58,335	4,505	1,053	91.3	7.1	1.6	
North Carolina.....		121,473	86,082	21,693	13,698	70.9	17.9	11.3	
South Carolina.....		73,046	50,848	12,793	9,405	69.6	17.5	12.9	
Georgia.....		104,588	83,998	14,549	6,041	80.3	13.9	5.8	
Florida.....		57,785	33,520	5,012	941	93.1	5.2	1.6	
EAST SOUTH CENTRAL:									
Kentucky.....		65,400	55,072	9,495	533	84.2	14.5	1.3	
Tennessee.....		73,840	63,016	8,379	2,445	85.3	11.3	3.3	
Alabama.....		72,148	63,413	5,082	3,653	87.9	7.0	5.1	
Mississippi.....		50,384	47,267	2,039	1,058	93.9	4.0	2.1	
WEST SOUTH CENTRAL:									
Arkansas.....		44,982	43,763	694	525	97.3	1.5	1.2	
Louisiana.....		76,165	70,153	4,473	1,539	92.1	5.9	2.0	
Oklahoma.....		13,143	12,345	675	123	93.9	5.1	0.9	
Texas.....		70,230	65,092	3,882	1,236	92.7	5.5	1.8	
MOUNTAIN:									
Montana.....		17,655	11,436	189	30	98.1	1.6	0.3	
Idaho.....		8,220	8,035	155	30	97.7	1.9	0.4	
Wyoming.....		2,867	2,810	45	12	98.0	1.6	0.4	
Colorado.....		28,907	25,808	2,094	165	92.0	7.5	0.6	
New Mexico.....		9,143	8,965	82	66	96.4	2.6	1.6	
Arizona.....		6,441	6,366	38	37	98.8	0.6	0.6	
Utah.....		11,785	10,470	1,203	110	88.8	10.2	0.9	
Nevada.....		2,257	2,222	26	9	98.4	1.2	0.4	
PACIFIC:									
Washington.....		69,120	66,042	2,812	266	95.5	4.1	0.4	
Oregon.....		28,750	26,406	2,246	98	91.8	7.8	0.3	
California.....		115,296	100,218	14,018	1,060	86.9	12.2	0.9	

Comparison with previous censuses as to sex and age.—The following table shows, for all industries combined, the distribution of the average number of wage earners according to age periods, and in the case of those 16 years of age or over according to sex, for 1909, 1904, and 1899. As already explained (p. 452), the distribution for 1909 is estimated on the basis of the actual proportions reported for a single representative

day, while the figures for the other two censuses represent averages computed from the number of each class reported for each month of the year.

Table 15

CLASS.	AVERAGE NUMBER OF WAGE EARNERS.					
	1909		1904		1899	
	Number.	Per cent distribution.	Number.	Per cent distribution.	Number.	Per cent distribution.
<b>Total.....</b>	<b>6,615,046</b>	<b>100.0</b>	<b>5,468,383</b>	<b>100.0</b>	<b>4,712,763</b>	<b>100.0</b>
16 years of age and over.....	6,453,533	97.6	5,308,498	97.1	4,551,487	96.6
Male.....	5,163,164	78.1	4,242,643	77.6	3,632,977	77.1
Female.....	1,230,389	19.5	1,065,855	19.5	918,510	19.5
Under 16 years of age.....	161,493	2.4	159,885	2.9	161,276	3.4

From an examination of this table it will be seen that, while the numbers of men and women workers increased at each census, the number of children under 16 years of age has been comparatively stationary. For all industries combined there was a slight net increase during the 10 years in the number of children employed, although from 1899 to 1904 the number decreased. The percentage which children represent of the total number of wage earners, however, decreased from census to census. The proportion of adult female wage earners has been the same at each census, while the proportion of adult males has increased slightly.

Comparison of sex and age distribution in selected industries: 1909, 1904, and 1899.—Table 16 shows, in percentages, the distribution of wage earners according to sex and age periods, in 1909, 1904, and 1899, for all industries of any importance in which the proportion of women and children is relatively high or in which the absolute number of women and children is large. The percentages for the three years are comparable though not precisely parallel, for the reason that those for 1909 relate to the number employed on December 15, or the nearest representative day, which in the case of many establishments in some industries was in another month than December, while those for 1904 and 1899 (in which years reports were made for each month of the average number of wage earners by sex and age) are based upon the average number in each group for the month of December. Nevertheless, the figures should be very closely comparable for nearly all industries.

In about three-fifths of the 61 industries shown in this table the number of females 16 years of age or over and of children under the age of 16, taken together, formed a smaller proportion of the wage earners reported for December in 1909 than in 1899, or, in other words, the proportion of males 16 years of age or over increased during the decade. In the cotton-goods industry, in which the number of women and children is greater than in any other industry, each of these classes represented a smaller

percentage of the total number of wage earners in 1909 than in 1899. Similar changes have occurred in the men's clothing and the hosiery and knit-goods industries, both of which are important as employers of women and children. In the silk and woolen industries the proportion of women has increased slightly, but the proportion of children under 16 has decreased. For the tobacco-products industry, in which the proportion of

children has likewise decreased, a marked increase is shown in the proportion of women employed.

Among the 61 industries listed in the table there were 22 in which the percentage of children was higher in 1909 than in 1899, but most of these are relatively unimportant industries. The most conspicuous increase in the proportion of children employed is in the manufacture of bags, other than paper.

Table 16

PER CENT OF ALL WAGE EARNERS EMPLOYED.<sup>1</sup>

INDUSTRY.	16 years of age and over.									Under 16 years of age.		
	Male.			Female.								
	1909	1901	1899	1909	1904	1899	1909	1904	1899	1909	1904	1899
Artificial flowers and feathers and plumes.....	13.1	14.1	12.9	83.7	80.7	79.1	3.1	5.2	8.0			
Awnings, tents, and sails.....	56.0	59.5	65.1	42.4	39.4	34.0	1.6	1.2	0.9			
Bags, other than paper.....	34.0	34.0	31.3	56.8	60.2	65.3	9.2	5.9	3.4			
Bags, paper.....	50.9	52.0	53.6	47.3	45.2	45.4	1.8	2.7	1.0			
Baking powders and yeast.....	52.7	47.0	49.9	44.9	51.3	48.4	2.4	1.7	1.7			
Boots and shoes, including cut stock and findings.....	62.6	63.4	63.6	33.3	33.2	33.4	4.1	3.4	3.1			
Boots and shoes, rubber.....	39.3	57.1	60.3	38.1	37.6	38.2	2.6	3.1	1.5			
Boxes, cigar.....	44.5	44.5	46.4	49.7	49.4	50.0	5.8	5.5	4.2			
Boxes, fancy and paper.....	32.8	29.3	27.9	60.0	64.5	65.9	7.1	6.2	6.2			
Bread and other bakery products.....	81.3	79.6	79.2	16.7	18.1	17.7	2.0	2.3	3.1			
Buttons.....	60.0	50.8	47.4	36.5	45.9	47.2	3.5	3.3	5.4			
Canning and preserving.....	43.1	48.2	55.6	49.8	45.7	40.0	7.1	6.1	4.4			
Carpets and rugs, other than rag.....	56.2	51.0	48.4	39.7	43.3	44.1	4.1	5.7	7.5			
Clocks and watches, including cases and materials.....	61.7	61.8	63.8	36.2	36.9	36.9	2.1	1.4	1.8			
Clothing, horse.....	32.4	36.8	25.2	58.5	56.6	65.5	9.1	6.6	9.2			
Clothing, men's, including shirts.....	42.4	37.6	33.9	55.5	60.0	63.4	2.0	2.4	2.6			
Clothing, women's.....	35.8	34.9	29.6	63.3	64.4	69.4	0.9	0.8	0.9			
Coffee and spice, roasting and grinding.....	59.4	60.3	51.9	39.1	38.3	46.1	1.4	1.4	2.0			
Confectionery.....	35.9	35.9	44.7	58.1	59.3	49.8	6.0	4.8	5.4			
Copper, tin, and sheet-iron products.....	84.6	85.0	86.7	12.3	12.4	9.2	3.0	2.6	4.1			
Cordage and twine and jute and linen goods.....	48.3	57.6	55.2	41.8	35.6	36.8	6.8	6.7	8.1			
Cork, cutting.....	54.2	45.1	43.8	40.4	46.7	43.2	5.3	8.3	8.0			
Corsets.....	12.6	10.9	9.9	83.9	86.3	87.4	3.5	2.8	2.7			
Cotton goods, including cotton small wares.....	50.9	46.6	44.8	38.7	40.5	41.9	10.4	12.9	13.3			
Dyeing and finishing textiles.....	79.6	80.2	81.9	18.0	15.9	14.4	2.4	3.9	3.7			
Electrical machinery, apparatus, and supplies.....	76.4	80.6	82.8	22.7	18.3	15.8	0.9	1.0	1.5			
Fireworks.....	54.8	55.7	54.7	40.9	39.9	36.7	4.3	5.3	8.6			
Flags, banners, regalia, society badges, and emblems.....	35.7	32.8	28.2	61.7	65.6	68.9	1.6	2.6	2.9			
Flavoring extracts.....	56.8	51.7	51.2	41.1	46.5	46.5	2.0	1.8	2.3			
Food preparations.....	67.9	59.0	65.6	30.6	39.2	31.7	1.5	1.8	2.7			
Foundry and machine-shop products.....	97.3	97.3	97.7	2.0	1.9	1.4	0.8	0.8	0.9			
Fur goods.....	59.1	57.3	45.3	40.5	42.3	53.9	0.4	0.4	0.7			
Furnishing goods, men's.....	21.8	14.1	14.7	76.1	84.3	83.3	2.1	1.6	2.0			
Gloves and mittens, leather.....	42.7	30.9	30.9	54.9	67.1	67.1	2.4	2.1	2.0			
Gold and silver, leaf and foil.....	43.2	45.5	51.0	53.4	51.8	46.8	3.5	2.8	2.2			
Hair work.....	34.4	17.8	13.9	63.4	80.5	85.8	2.1	1.7	0.4			
Hats, fur-felt.....	69.9	70.3	70.2	28.0	27.6	28.4	2.1	2.1	1.4			
Hats, straw.....	34.0	33.4	40.2	64.3	65.6	68.4	1.7	0.9	1.4			
Hosiery and knit goods.....	27.4	24.2	25.0	64.5	66.2	64.5	8.1	9.6	10.5			
House-furnishing goods, not elsewhere specified.....	50.5	56.0	57.3	47.8	41.5	40.5	1.6	2.5	2.2			
Jewelry.....	68.8	71.9	67.2	28.4	26.1	31.0	2.8	2.0	1.8			
Jewelry and instrument cases.....	44.6	47.7	48.5	52.9	51.0	47.5	2.5	1.3	4.0			
Leather goods.....	81.8	79.7	84.4	15.7	17.3	12.3	2.5	3.0	3.3			
Mattresses and spring beds.....	73.9	77.0	77.0	18.4	18.4	20.4	1.7	1.5	2.6			
Millinery and lace goods.....	19.9	13.4	16.9	77.2	85.1	81.9	2.9	1.5	1.2			
Needles, pins, and hooks and eyes.....	45.6	47.5	50.9	46.7	46.5	44.0	7.7	6.0	5.1			
Paper and wood pulp.....	87.1	85.9	86.2	12.6	13.5	15.5	0.3	0.4	0.4			
Paper goods, not elsewhere specified.....	49.5	41.5	46.0	47.4	55.3	51.6	3.2	3.2	2.4			
Patent medicines and compounds and druggists' preparations.....	46.6	42.2	44.5	51.3	55.4	53.9	2.1	2.4	1.6			
Peanuts, grading, roasting, cleaning, and shelling.....	20.2	19.7	.....	78.1	75.4	.....	1.7	4.9	.....			
Pencils, lead.....	41.8	42.1	35.8	50.9	54.0	51.9	7.4	3.8	12.3			
Pens, steel.....	15.5	9.3	13.6	81.1	83.7	78.8	3.4	7.0	7.6			
Pottery, terra-cotta, and fire-clay products.....	87.4	85.8	87.2	11.2	11.8	10.5	1.5	2.4	2.3			
Printing and publishing.....	75.1	74.5	74.8	22.4	22.9	20.6	2.4	2.6	4.7			
Silk and silk goods, including throwsters.....	35.0	34.1	36.6	57.1	56.7	53.4	8.0	9.2	10.0			
Slaughtering and meat packing.....	93.1	92.0	93.1	6.3	6.7	4.5	0.6	1.2	2.4			
Stationery goods, not elsewhere specified.....	53.1	49.6	42.9	41.1	46.5	50.7	5.9	3.9	6.4			
Surgical appliances and artificial limbs.....	49.4	48.4	54.3	47.6	49.8	40.3	3.0	1.8	5.4			
Tobacco manufactures.....	49.9	54.1	57.8	46.5	41.3	37.6	3.6	4.6	4.7			
Umbrellas and canes.....	41.3	39.3	39.9	51.7	56.0	56.0	4.0	4.7	4.1			
Woolen, worsted, and felt goods, and wool hats.....	53.0	52.8	53.0	41.3	39.6	39.7	5.7	7.6	7.2			

<sup>1</sup> For 1904 and 1899 the percentages are based on the average numbers reported for the month of December; for 1909, on the number employed on Dec. 15, or the nearest representative day.

Comparison of sex and age distribution, by states: 1909, 1904, and 1899.—Table 17 shows, for each geographic division and state, for 1909, 1904, and

1899, respectively, the percentage of the average number of wage earners employed during the year represented by males 16 years of age or over, females 16

years of age or over, and children under 16 years of age. For 1909 the percentages have been computed from the returns for a representative day in the manner described on page 452; for the other two years the bases of calculation are average numbers computed for the year from the returns made for each month.

Table 17

PER CENT OF AVERAGE NUMBER OF WAGE EARNERS.

DIVISION AND STATE.	16 years of age and over.										Under 16 years of age.			
	Male.					Female.								
	1909	1904	1899	1909	1904	1899	1909	1904	1899	1909	1904	1899	1909	1904
<b>United States.....</b>	<b>78.1</b>	<b>77.6</b>	<b>77.1</b>	<b>19.5</b>	<b>19.5</b>	<b>19.5</b>	<b>2.4</b>	<b>2.4</b>	<b>2.9</b>	<b>3.4</b>				
<b>GEOGRAPHIC DIVISIONS:</b>														
New England.....	69.1	69.1	68.4	27.9	28.0	28.7	3.0	2.9	2.9	2.9				
Middle Atlantic.....	73.3	73.9	73.3	24.7	25.2	24.4	2.0	2.7	3.3	3.3				
East North Central.....	84.0	83.8	84.4	14.5	14.5	13.2	1.5	1.7	2.4	2.4				
West North Central.....	83.1	83.6	83.4	15.4	14.2	13.6	1.5	2.3	3.0	3.0				
South Atlantic.....	78.0	75.4	74.7	15.6	17.0	17.4	6.3	7.6	7.9	7.9				
East South Central.....	87.4	85.9	86.2	9.5	9.7	9.0	3.1	4.3	4.8	4.8				
West South Central.....	92.6	91.3	91.3	4.7	5.5	6.4	1.7	1.9	2.4	2.4				
Mountain.....	94.3	93.6	94.4	5.1	5.2	4.2	0.6	1.3	1.3	1.3				
Pacific.....	90.4	88.6	85.5	8.9	10.3	12.6	0.7	1.2	1.9	1.9				
<b>NEW ENGLAND:</b>														
Maine.....	75.8	75.6	72.1	22.5	22.4	24.8	1.7	2.0	3.1	3.1				
New Hampshire.....	68.1	68.1	67.1	30.4	30.5	30.4	1.5	1.5	2.4	2.4				
Vermont.....	55.7	55.7	55.0	13.7	13.8	14.1	0.6	0.7	0.9	0.9				
Massachusetts.....	66.8	66.9	66.6	29.6	30.1	30.6	3.6	3.0	2.8	2.8				
Rhode Island.....	63.6	63.0	62.7	32.3	31.6	31.6	4.1	5.4	5.7	5.7				
Connecticut.....	73.4	73.1	72.3	24.0	24.5	25.6	2.6	2.4	2.1	2.1				
<b>MIDDLE ATLANTIC:</b>														
New York.....	70.0	70.4	69.3	29.2	28.6	29.0	0.8	0.9	1.7	1.7				
New Jersey.....	72.5	73.4	73.3	25.2	23.6	23.1	2.3	3.0	3.7	3.7				
Pennsylvania.....	77.5	77.9	77.7	19.2	17.6	17.4	3.3	4.5	4.9	4.9				
<b>EAST NORTH CENTRAL:</b>														
Ohio.....	83.4	83.4	84.0	15.4	15.2	14.7	1.2	1.4	1.3	1.3				
Indiana.....	86.2	85.3	86.0	14.9	12.5	11.4	1.9	3.4	2.5	2.5				
Illinois.....	82.2	82.8	82.6	16.3	15.9	14.4	1.5	1.3	1.6	1.6				
Michigan.....	85.4	84.3	86.2	13.5	13.8	12.2	1.1	1.9	1.9	1.9				
Wisconsin.....	85.8	85.4	86.0	11.8	11.9	9.9	2.3	2.7	4.0	4.0				
<b>WEST NORTH CENTRAL:</b>														
Minnesota.....	86.2	87.4	88.5	13.5	12.1	10.4	0.4	0.5	1.1	1.1				
Iowa.....	83.0	83.0	83.1	15.3	14.8	12.9	1.7	2.2	4.0	4.0				
Missouri.....	78.4	79.5	78.1	19.1	17.1	18.5	2.5	3.4	3.5	3.5				
North Dakota.....	89.2	86.7	90.7	8.7	11.3	6.8	2.0	2.0	2.5	2.5				
South Dakota.....	86.0	87.4	91.4	12.7	11.2	3.6	1.3	1.3	4.9	4.9				
Nebraska.....	85.3	85.5	86.9	13.8	12.5	9.2	0.9	2.0	3.9	3.9				
Kansas.....	91.9	90.4	89.9	7.5	7.6	7.2	0.5	2.0	2.9	2.9				
<b>SOUTH ATLANTIC:</b>														
Delaware.....	81.0	80.5	79.8	16.5	16.9	16.1	2.5	3.5	4.1	4.1				
Maryland.....	86.1	87.4	89.5	20.8	20.7	28.6	0.6	3.9	4.0	4.0				
District of Columbia.....	89.0	89.1	87.1	10.7	9.7	11.7	0.2	1.2	1.2	1.2				
Virginia.....	83.5	81.0	79.5	13.1	14.9	14.9	3.4	4.0	5.5	5.5				
West Virginia.....	91.3	90.0	89.0	7.1	7.4	8.5	1.6	2.6	2.4	2.4				
North Carolina.....	70.9	64.9	65.0	17.8	21.4	20.9	11.3	13.6	14.1	14.1				
South Carolina.....	69.6	61.3	61.9	17.5	20.2	20.1	12.9	16.4	18.0	18.0				
Georgia.....	80.3	78.5	80.4	13.9	13.6	12.1	5.8	7.9	7.9	7.9				
Florida.....	93.1	94.2	94.8	5.2	5.0	4.3	1.6	0.8	0.9	0.9				
<b>EAST SOUTH CENTRAL:</b>														
Kentucky.....	84.2	82.8	84.1	14.5	13.9	11.8	1.3	3.3	4.3	4.3				
Tennessee.....	85.3	85.4	85.1	11.3	10.9	10.6	3.3	3.6	4.2	4.2				
Alabama.....	88.8	84.9	87.0	7.0	7.3	6.6	5.1	6.6	6.3	6.3				
Mississippi.....	93.9	91.4	90.8	4.0	5.3	5.4	2.1	3.3	3.8	3.8				
<b>WEST SOUTH CENTRAL:</b>														
Arkansas.....	97.3	96.9	96.7	1.5	1.5	1.3	1.2	1.6	2.0	2.0				
Louisiana.....	92.1	89.4	85.0	5.9	8.2	12.3	2.0	2.4	2.7	2.7				
Oklahoma.....	93.9	92.0	94.7	5.1	6.0	3.2	0.9	2.0	2.1	2.1				
Texas.....	92.7	93.3	93.2	5.5	5.1	4.4	1.8	1.7	2.4	2.4				
<b>MOUNTAIN:</b>														
Montana.....	98.1	97.7	98.1	1.6	1.6	0.9	0.3	0.7	1.1	1.1				
Idaho.....	97.7	95.8	96.5	1.9	2.9	2.1	0.4	1.3	1.4	1.4				
Wyoming.....	98.0	97.8	98.5	1.6	1.8	0.7	0.4	0.4	0.7	0.7				
Colorado.....	92.0	92.4	93.4	7.5	6.2	5.5	0.6	1.4	1.0	1.0				
New Mexico.....	96.4	97.4	96.5	2.0	1.5	2.4	1.6	1.1	1.0	1.0				
Arizona.....	98.8	98.9	98.0	0.6	0.7	0.9	0.6	0.4	1.1	1.1				
Utah.....	98.8	94.9	96.1	10.2	12.6	10.7	0.9	2.4	3.2	3.2				
Nevada.....	98.4	98.5	95.4	1.2	1.0	1.2	0.4	0.5	3.4	3.4				
<b>PACIFIC:</b>														
Washington.....	95.5	96.9	97.2	4.1	2.9	2.0	0.4	0.2	0.8	0.8				
Oregon.....	91.8	90.9	90.4	7.8	8.0	7.7	0.3	1.1	1.9	1.9				
California.....	86.9	84.4	79.7	12.2	14.0	17.9	0.9	1.6	2.4	2.4				

land rose slightly, wholly on account of increased proportions in Massachusetts and Connecticut. The proportion of children decreased during the decade in all but five of the states, the exceptions being Massachusetts, Connecticut, Maryland (where there was very little change), Florida, and New Mexico. In the Middle Atlantic, East North Central, West North Central, East South Central, and Mountain divisions women 16 years of age or over represented a larger proportion of the total in 1909 than in 1899, but in the other divisions they constituted a somewhat smaller proportion. Most of the individual states show comparatively little change in the proportion of women, the most conspicuous increases being in certain states where the manufacturing industries are still comparatively undeveloped, such as South Dakota and Nebraska. Marked decreases in the proportion of women took place in Louisiana and California.

**Wage earners employed, by months.**—The following table gives the number of wage earners employed on the 15th of each month during the year 1909 for all industries combined. For purposes of comparison figures for 1904 are also given, but these are on a slightly different basis, since at that census each establishment was asked to report the average number employed for each month rather than the number employed on a specified day of each month.

Table 18

WAGE EARNERS IN ALL MANUFACTURING INDUSTRIES.<sup>1</sup>

MONTH.	Number.		Per cent of maximum.	
	1909	1904	1909	1904
January.....	6,210,063	5,262,472	88.6	92.7
February.....	6,297,627	5,330,471	89.9	93.9
March.....	6,423,517	5,450,736	91.7	96.0
April.....	6,437,633	5,493,343	91.9	96.8
May.....	6,457,279	5,512,373	92.2	97.1
June.....	6,517,469	5,461,804	93.0	96.2
July.....	6,486,676	5,323,966	92.6	93.8
August.....	6,456,933	5,420,618	95.0	95.5
September.....	6,988,765	5,608,412	98.5	98.8
October.....	6,967,690	5,676,920	99.9	100.0
November.....	7,006,853	5,587,028	100.0	98.4
December.....	6,990,652	5,491,453	99.8	96.7

<sup>1</sup> The numbers for 1909 represent the number employed on the 15th of each month, or the nearest representative day; those for 1904, the average number employed during each month.

In 1909 the largest number of wage earners, 7,006,853, was employed in November, and the smallest number, 6,210,063, in January, this number being equal to 88.6 per cent of the maximum. In 1904 the largest number was employed in October and the smallest number in January, the minimum representing 92.7 per cent of the maximum. In 1909 a fairly constant increase in employment was shown from January to November, except that the number employed in July was a little lower than in June.

The figures for employment by months for all industries combined fail to show fully the variations in employment, since a variation in one direction in one industry may be offset by a variation in the opposite direction in another industry. Except for distinctly

In every geographic division except New England, children under 16 years of age constituted a smaller proportion of the average number of wage earners in 1909 than in 1899, while the proportion in New Eng-

seasonal industries, however, the employment in most of the important industries of the country appears to have been comparatively steady throughout the year 1909. The following table shows the amount of variation in certain industries. It gives (1) the 14 industries which reported the largest average number of wage earners, including all reporting 100,000 or more, and (2) the 12 industries which show the greatest variations in employment, including all (except one or two employing less than 1,000 wage earners each) in which the number for the month of least activity is less than one-half that for the month of greatest activity.

Table 19

## WAGE EARNERS.

INDUSTRY.	Average number.	Maximum number.		Minimum number.		Per cent of maximum.
		Month.	Number.	Month.	Number.	
<i>Principal industries.</i>						
Lumber and timber products . . . . .	695,019	Nov...	739,160	Jan...	649,239	87.8
Foundry and machine-shop products . . . . .	531,011	Dec...	597,234	Jan...	482,080	80.7
Cotton goods, including cotton small wares . . . . .	378,880	Dec...	383,529	Jan...	374,433	97.6
Cars and general shop construction and repairs by steam-railroad companies . . . . .	282,174	Dec...	301,538	May...	268,700	89.1
Printing and publishing. . . . .	238,434	Dec...	269,884	July...	251,757	93.3
Iron and steel, steel works and rolling mills . . . . .	240,076	Dec...	283,629	Mar...	215,076	75.8
Clothing, men's, including shirts . . . . .	239,696	Dec...	251,349	Jan...	230,650	91.8
Boots and shoes, including cut stock and findings . . . . .	198,297	Dec...	207,452	May...	190,382	91.8
Woolen, worsted, and felt goods, and wool hats . . . . .	168,722	Dec...	173,943	Jan...	158,318	91.0
Tobacco manufactures . . . . .	166,810	Dec...	176,369	Jan...	161,563	91.6
Clothing, women's . . . . .	153,743	Oct...	167,525	July...	135,034	80.6
Hosiery and knit goods . . . . .	129,275	Nov...	134,540	Jan...	123,308	91.7
Furniture and refrigerators . . . . .	128,452	Nov...	136,615	Jan...	120,524	88.2
Bread and other bakery products . . . . .	100,216	Oct...	102,770	Jan...	96,639	94.0
<i>Industries showing large variation.</i>						
Brick and tile . . . . .	76,528	July...	104,930	Jan...	38,312	36.5
Canning and preserving . . . . .	59,908	Sept...	154,800	Jan...	19,998	12.9
Fertilizers . . . . .	18,310	Mar...	25,310	July...	14,264	48.7
Oil, cottonseed, and cake . . . . .	17,071	Nov...	29,334	July...	5,174	17.6
Ice, manufactured . . . . .	16,114	July...	22,872	Jan...	9,847	43.1
Artificial stone . . . . .	9,957	Aug...	12,884	Jan...	4,856	37.7
Hats, straw . . . . .	8,814	Mar...	11,488	July...	4,700	40.9
Beet sugar . . . . .	7,204	Nov...	16,807	Feb...	2,206	13.1
Sugar and molasses . . . . .	4,127	Nov...	15,761	Feb...	559	3.5
Vinegar and cider . . . . .	1,542	Oct...	3,464	Mar...	886	25.6
Grindstones . . . . .	1,394	May...	1,665	Jan...	795	47.7
Rice, cleaning and polishing . . . . .	1,239	Oct...	2,017	July...	436	21.6

Considering first the principal industries, it will be seen that the greatest regularity of employment was in the manufacture of cotton goods, in which the number employed during the month of least activity, January, was equal to 97.6 per cent of the number employed in the month of greatest activity, Decem-

ber. Other industries in which the number for the month of least activity was more than 90 per cent of the number for the month of greatest activity are the manufacture of boots and shoes, bakeries, the men's clothing industry, the tobacco-products industry, the manufacture of woolen goods and of hosiery and knit goods, and printing and publishing. Among the principal industries the greatest variation appears in the steel works and rolling mills, in which the number employed during March, the month of least activity, was only 75.8 per cent of the number employed during December, the month of greatest activity. The women's clothing and foundry and machine shop industries also show a comparatively large degree of variation in the number employed.

The lumber industry, as already stated, includes logging camps as well as sawmills, and also includes planing mills and wooden packing-box factories. The variation in employment in all of these branches taken together for the country as a whole is not very great, the number employed during the month of least activity being 87.8 per cent of the number employed during the month of greatest activity. For the logging camps alone, however, there is greater variation, the number employed during July, 170,587, being only 76.6 per cent of the number employed in December, which was 222,564. Furthermore, since in different sections of the country the active season in the woods covers different months, if the operations of the logging camps in each geographic division are considered separately, a much wider variation appears in the number employed, this being particularly true in the Northern states.

There are a number of industries which are conspicuously seasonal in character. In the case of some of these the weather will not permit work except at certain seasons, and in others the raw material used is available only at certain seasons and must be handled immediately, while in the case of the remainder the demand for the products is conspicuously seasonal. The most variable large industry is canning and preserving, which naturally is confined mainly to the period at which fruits and vegetables are harvested. The industry includes the canning and preserving of fish and oysters, which is carried on in the winter months; if this were excluded there would necessarily be a much greater variation in the numbers employed. In this industry the number employed during January, the month of least activity, formed only 12.9 per cent of the number employed during September.



## CHARACTER OF OWNERSHIP.

**Summary for United States.**—The table that follows has for its purpose the presentation of conditions in respect to the character of ownership, or legal organization, of manufacturing enterprises. Comparative figures are given, covering all industries combined, for the censuses of 1909 and 1904. Similar data for 1899 are not available.

Table 20 CHARACTER OF OWNERSHIP.	Number of estab- lish- ments.	Average number of wage earners.	Value of products.	Value added by manu- facture.
<b>All classes:</b>				
1909.....	268,491	6,615,048	\$20,672,061,870	\$8,529,260,992
1904.....	216,180	5,468,383	14,793,902,563	6,293,694,753
<b>Average per es- tablishment—</b>				
1909.....		25	78,993	31,767
1904.....		25	68,433	29,113
<b>Individual:</b>				
1909.....	140,605	804,883	2,042,061,500	968,624,072
1904.....	113,946	755,923	1,702,830,624	824,292,887
<b>Average per establish- ment—</b>				
1909.....		6	14,523	6,890
1904.....		7	14,944	7,234
<b>Firm:</b>				
1909.....	54,265	794,836	2,184,107,632	951,383,741
1904.....	47,934	841,242	2,132,536,004	930,143,823
<b>Average per establish- ment—</b>				
1909.....		15	40,249	17,532
1904.....		18	44,489	19,405
<b>Corporation:</b>				
1909.....	69,501	5,002,393	16,341,116,634	6,582,207,117
1904.....	51,097	3,862,698	10,904,069,307	4,526,055,153
<b>Average per establish- ment—</b>				
1909.....		72	235,121	94,721
1904.....		76	213,399	88,578
<b>Other:</b>				
1909.....	4,120	12,934	104,766,104	26,846,062
1904.....	3,203	8,520	54,466,028	13,202,890
<b>Average per establish- ment—</b>				
1909.....		3	25,429	6,516
1904.....		3	17,005	4,122
<b>Per cent of total—</b>				
1909.....	100.0	100.0	100.0	100.0
1904.....	100.0	100.0	100.0	100.0
<b>Individual:</b>				
1909.....	52.4	12.2	9.9	11.4
1904.....	52.7	13.8	11.5	13.1
<b>Firm:</b>				
1909.....	20.2	12.0	10.6	11.2
1904.....	22.2	15.4	14.4	14.8
<b>Corporation:</b>				
1909.....	25.9	75.6	79.0	77.2
1904.....	23.6	70.6	73.7	71.9
<b>Other:</b>				
1909.....	1.5	0.2	0.5	0.3
1904.....	1.5	0.2	0.4	0.2

The most important distinction shown is that between corporate and all other forms of ownership. Of the total number of establishments reported as engaged in manufacturing industries in 1909, 25.9 per cent were under corporate ownership. The corresponding figure for 1904 was 23.6 per cent. While corporations thus controlled only about one-fourth of the total number of establishments, they gave employment to a large proportion of all wage earners reported, namely, 75.6 per cent in 1909 and 70.6 per cent in 1904. The value of the products of the factories operated by corporations represented 79 per cent of the total value of products for all establishments in 1909 and 73.7 per cent in 1904. These figures show that even during this short period of five years the corporate form of ownership increased so greatly that it represented an appreciably larger proportion of the manufacturing interests of the country in 1909 than in 1904.

Partnerships (including limited partnerships) controlled about one-fifth of the total number of manufacturing establishments in 1909, and individuals rather more than one-half of the total number. These two classes of establishments were about equal in volume of business, each reporting in the neighborhood of one-eighth of the total number of wage earners and one-tenth of the total value of products in 1909. During the five years from 1904 to 1909 partnerships lost ground, relatively, to a greater degree than individual ownership, presumably because of the incorporation of many concerns previously operated by firms.

In 1909 there were 4,120 establishments operated by cooperative companies and other miscellaneous forms of ownership that could not be classified as individual, firm, or corporate ownership. These establishments gave employment to only two-tenths of 1 per cent of the wage earners, and the value of their products was only five-tenths of 1 per cent of the total value reported for all establishments.

From 1904 to 1909 the average number of wage earners per establishment decreased for all three principal classes of ownership, while the average value of products per establishment decreased for the establishments under individual and firm ownership but increased for corporate ownership.

**Proportion of business done by corporations in the principal industries: 1909 and 1904.**—Table 21, on the following page, shows, for the principal industries, the number of manufacturing establishments operated by corporations in 1909 and 1904, and the percentage which they represent of the entire number of establishments; also the value of the manufactured products made in establishments under corporate ownership and the percentage which this represents of the total value. The figures as to total value, on which the percentages are based, will be found in Table 110. Two important industries, the repair shops of steam railroads and the smelting and refining of copper, are not shown separately in this table, as to do so would disclose the operations of individual establishments.

This table shows that in industries where a large investment in plant and machinery is necessary to the proper conduct of the business, the establishments are as a rule operated by corporations, it being easier under this form of ownership to obtain the necessary capital. All of the establishments engaged in the smelting and refining of lead in 1909 were operated by corporations, and more than 90 per cent of the blast furnaces, steel works and rolling mills, cottonseed-oil mills, and establishments manufacturing steam-railroad cars were under this form of ownership. The general tendency has been toward an increase in the proportion of the establishments operated by corporations, and 35 of the 41 selected

industries show an increase in this respect. In 24 of the 41 selected industries, less than 50 per cent of the establishments were operated by corporations.

As a rule corporations control a much larger proportion of the output of manufactures than they do of the number of establishments. In 16 of the 41 industries the value of the products reported by corporations formed in 1909 more than 90 per cent of the value

reported for all establishments, and in all but 5 of the industries the corporations reported more than 50 per cent of the total value of products. In only 1 of the selected industries, the manufacture of women's clothing, did the proportion of the total value of products reported by corporations fall as low as one-fourth. In this industry it formed only 23.6 per cent of the total value reported for 1909.

Table 21

Table 21  INDUSTRY.	NUMBER OF ESTABLISHMENTS.						VALUE OF PRODUCTS OF ESTABLISHMENTS OPERATED BY CORPORATIONS.			
	Total.		Operated by corporations.				Amount.		Per cent of total.	
			Number.		Per cent of total.					
1909	1904	1909	1904	1909	1904	1909	1904	1909	1904	
All Industries.....	268,491	216,180	69,501	51,097	25.9	23.6	\$18,341,116,634	\$10,904,069,307	79.0	73.7
Agricultural implements.....	640	648	349	327	54.5	50.5	149,063,575	105,325,880	96.1	94.0
Automobiles including bodies and parts.....	743	178	478	113	64.3	63.5	235,802,964	26,454,851	94.6	88.1
Boots and shoes, including cut stock and findings.....	1,918	1,895	734	561	38.3	29.6	365,716,678	210,493,693	71.3	58.8
Brass and bronze products.....	1,021	813	417	271	40.8	33.3	134,981,702	89,004,043	90.0	86.9
Bread and other bakery products.....	23,926	18,226	838	483	3.5	2.6	140,238,713	86,595,177	35.3	32.1
Butter, cheese, and condensed milk.....	8,479	8,926	1,313	1,385	15.5	15.5	113,493,555	61,309,538	41.3	36.5
Canning and preserving.....	3,767	3,168	1,167	940	31.0	29.7	116,496,603	78,308,836	74.2	60.6
Carriages and wagons and materials.....	5,492	5,588	884	806	16.1	14.4	109,348,007	96,894,926	68.4	62.2
Cars, steam-railroad, not including operations of railroad companies.....	110	73	104	67	94.5	91.8	120,486,355	109,079,572	97.4	98.1
Chemicals.....	349	275	266	207	76.2	75.3	115,290,377	65,786,129	98.0	87.5
Clothing, men's, including shirts.....	6,354	5,145	824	538	13.0	10.5	187,167,188	.....	32.9	.....
Clothing, women's.....	4,558	3,351	583	319	12.8	9.5	90,696,932	40,168,946	23.6	18.6
Confectionery.....	1,944	1,348	595	354	30.6	28.5	96,821,995	52,802,483	71.8	60.6
Copper, tin, and sheet-iron products.....	4,228	2,540	1,034	591	24.5	23.3	149,640,465	80,398,170	74.9	67.0
Cotton goods, including cotton small wares.....	1,324	1,154	1,113	922	84.1	79.9	598,770,236	417,926,307	95.3	92.8
Electrical machinery, apparatus, and supplies.....	1,009	784	720	524	71.4	66.8	213,088,053	133,777,339	96.3	95.0
Flour-mill and gristmill products.....	11,691	10,051	2,271	1,732	19.4	17.2	588,189,883	429,736,098	66.6	60.3
Foundry and machine-shop products.....	13,253	10,765	6,408	4,542	48.4	42.2	1,082,715,968	724,924,320	88.1	82.3
Furniture and refrigerators.....	3,155	2,593	1,499	1,128	47.5	43.5	192,097,264	128,051,459	80.1	72.0
Gas, illuminating and heating.....	1,296	1,019	1,091	931	84.2	91.4	165,108,539	123,788,392	99.0	98.9
Hosiery and knit goods.....	1,374	1,144	651	476	47.4	41.6	142,021,832	.....	71.0	.....
Iron and steel, blast furnaces.....	298	190	185	182	93.8	95.8	386,361,856	226,518,168	98.7	97.7
Iron and steel, steel works and rolling mills.....	446	415	424	385	95.1	92.8	666,630,617	666,630,620	99.5	98.9
Leather goods.....	2,375	1,918	569	403	24.0	21.0	61,527,700	39,869,146	58.8	48.5
Leather, tanned, curried, and finished.....	919	1,049	454	391	49.4	57.3	250,286,374	168,736,461	76.3	66.8
Liquors, distilled.....	613	805	229	178	37.4	22.1	180,427,167	116,399,668	88.1	88.7
Liquors, malt.....	1,414	1,530	996	930	70.4	60.8	338,480,960	263,219,137	90.3	88.2
Lumber and timber products.....	40,671	25,153	6,969	4,900	17.1	19.5	793,810,129	536,795,071	68.7	60.7
Marble and stone work.....	4,964	2,698	811	467	16.3	17.9	54,859,987	.....	48.5	.....
Oil, cottonseed, and cake.....	817	715	756	677	92.5	94.7	141,730,982	93,817,578	95.8	97.3
Paint and varnish.....	791	639	526	360	66.5	56.3	106,349,811	75,473,279	85.2	83.1
Paper and wood pulp.....	777	761	633	587	81.5	77.1	248,435,331	169,665,695	92.8	89.9
Patent medicines and compounds and druggists' preparations.....	3,642	2,777	1,610	1,161	44.2	41.8	111,493,887	81,531,451	78.5	69.7
Petroleum, refining.....	147	98	131	85	89.1	84.7	222,539,969	169,548,302	98.1	96.9
Printing and publishing.....	31,445	27,793	7,184	5,354	22.8	19.3	516,400,736	368,729,392	70.0	66.7
Silk and silk goods, including throwsters.....	852	624	468	315	54.9	50.5	134,495,867	92,403,120	68.3	69.3
Slaughtering and meat packing.....	1,641	1,221	488	298	29.7	24.4	1,215,428,015	735,971,346	88.7	86.1
Smelting and refining, lead.....	28	32	28	28	100.0	87.5	167,405,650	185,366,977	100.0	99.8
Sugar and molasses, not including beet sugar.....	233	344	114	112	48.9	32.6	255,885,127	223,554,504	91.6	80.7
Tobacco manufactures.....	15,822	16,827	722	663	4.6	3.3	277,102,771	188,186,069	66.5	56.8
Woolen, worsted, and felt goods, and wool hats.....	985	1,074	578	518	58.7	48.2	363,283,846	239,816,937	83.3	75.1
All other Industries.....	63,070	49,923	22,277	15,958	35.3	32.0	4,425,406,968	3,136,410,027	82.8	83.3

Proportion of business done by corporations, by states: 1909 and 1904.—Table 22 shows, for the geographic divisions and for each state, the number of manufacturing establishments operated by corporations in 1909 and 1904, and the percentage which they represent of the entire number of establishments;

also the value of the manufactured products made in establishments under corporate ownership, and the percentage which this represents of the total value. The figures as to total value for each of the states, on which the percentages are based, will be found in Table 111.

Table 22

## NUMBER OF ESTABLISHMENTS.

## VALUE OF PRODUCTS OF ESTABLISHMENTS OPERATED BY CORPORATIONS.

DIVISION AND STATE.	Total.		Operated by corporations.				BY CORPORATIONS.			
			Number.		Per cent of total.		Amount.		Per cent of total.	
	1909	1904	1909	1904	1909	1904	1909	1904	1909	1904
United States .....	268,491	216,150	69,501	51,097	25.9	23.6	\$16,341,116,634	\$10,904,069,307	79.0	73.7
GEOGRAPHIC DIVISIONS:										
New England.....	25,351	22,279	7,300	5,572	28.8	25.0	2,173,070,560	1,509,457,541	81.4	74.5
Middle Atlantic.....	81,315	67,699	17,785	12,460	21.9	18.4	5,133,389,739	3,417,242,344	71.9	65.5
East North Central.....	60,013	51,754	17,755	14,093	29.6	27.2	4,434,329,994	2,913,000,832	85.1	80.8
West North Central.....	27,171	21,492	6,649	4,816	24.5	22.4	1,513,583,331	1,044,005,587	83.9	81.3
South Atlantic.....	28,068	19,564	6,765	4,820	24.1	24.7	1,059,302,614	701,534,357	76.7	72.0
East South Central.....	15,381	10,311	3,558	2,672	23.1	25.9	494,623,131	349,227,144	78.5	75.2
West South Central.....	12,339	8,279	3,403	2,298	27.6	27.8	509,339,323	315,236,430	81.4	75.9
Mountain.....	5,254	3,610	1,743	1,114	33.3	30.9	328,652,051	220,401,412	90.3	90.5
Pacific.....	13,579	11,192	4,543	3,252	33.5	29.1	695,018,111	473,992,759	82.4	76.9
NEW ENGLAND:										
Maine.....	3,546	3,145	861	671	24.3	21.3	136,156,275	101,575,154	77.3	70.5
New Hampshire.....	1,961	1,618	424	338	21.6	20.9	126,642,602	88,159,093	76.9	71.3
Vermont.....	1,958	1,699	372	309	19.0	18.2	42,641,046	36,373,592	62.4	57.7
Massachusetts.....	11,684	10,723	3,483	2,555	29.8	23.8	1,182,635,652	810,543,002	79.4	72.1
Rhode Island.....	1,951	1,617	659	512	33.8	31.7	243,426,598	158,322,601	86.8	78.3
Connecticut.....	4,251	3,477	1,501	1,187	35.3	34.1	441,267,987	314,484,099	90.0	85.2
MIDDLE ATLANTIC:										
New York.....	44,935	37,194	9,345	6,086	20.8	16.4	2,108,026,670	1,396,924,211	62.6	56.1
New Jersey.....	8,817	7,010	2,560	1,834	29.0	26.2	971,904,531	617,236,276	84.8	79.7
Pennsylvania.....	27,563	23,495	5,880	4,540	21.3	19.3	2,053,458,538	1,403,081,857	78.2	71.7
EAST NORTH CENTRAL:										
Ohio.....	15,138	13,785	5,123	4,008	33.8	29.1	1,249,778,444	777,392,416	86.9	80.9
Indiana.....	7,969	7,044	2,363	1,915	29.7	27.2	495,570,090	317,451,228	85.6	80.6
Illinois.....	18,026	14,921	5,209	4,145	28.9	27.8	1,646,518,916	1,179,028,840	85.8	83.6
Michigan.....	9,159	7,446	2,638	2,044	28.8	27.4	571,102,107	328,185,756	83.4	76.5
Wisconsin.....	9,721	8,558	2,422	1,981	24.9	23.1	471,360,457	310,912,592	79.8	75.6
WEST NORTH CENTRAL:										
Minnesota.....	5,561	4,756	1,326	922	23.8	19.4	330,924,567	234,013,794	80.8	76.0
Iowa.....	5,528	4,785	1,317	1,041	23.8	21.8	189,182,389	116,246,585	73.0	72.4
Missouri.....	8,375	6,464	2,447	1,847	29.2	28.6	508,761,173	378,405,293	86.6	80.3
North Dakota.....	752	507	133	81	17.7	16.0	13,586,608	5,146,817	71.0	50.4
South Dakota.....	1,020	686	216	112	21.2	16.3	9,870,131	6,003,547	55.2	45.9
Nebraska.....	2,500	1,819	487	359	19.5	19.7	175,021,402	138,623,975	88.2	89.5
Kansas.....	3,435	2,475	723	454	21.0	18.3	285,637,061	164,565,576	87.9	83.0
SOUTH ATLANTIC:										
Delaware.....	726	631	202	160	27.8	25.0	36,071,988	28,921,912	68.3	70.3
Maryland.....	4,837	3,852	873	650	18.0	16.9	207,102,289	147,744,248	65.6	60.7
District of Columbia.....	518	482	122	91	23.6	18.9	16,544,835	10,150,928	65.4	55.3
Virginia.....	5,685	3,187	1,099	702	19.3	22.0	163,780,071	109,546,390	74.5	73.6
West Virginia.....	2,586	2,109	813	638	31.4	30.3	140,385,264	78,951,053	86.7	73.7
North Carolina.....	4,931	3,272	1,339	879	27.2	26.9	182,140,664	113,510,110	84.1	79.6
South Carolina.....	1,854	1,399	564	464	30.4	33.2	102,403,671	70,493,378	90.4	88.8
Georgia.....	4,792	3,219	1,252	931	26.1	28.9	165,057,980	114,976,572	81.4	76.1
Florida.....	2,159	1,413	501	308	23.2	21.7	45,815,852	27,239,766	62.9	54.2
EAST SOUTH CENTRAL:										
Kentucky.....	4,776	3,734	1,147	862	24.0	23.1	178,650,245	117,046,726	79.8	73.3
Tennessee.....	4,609	3,175	1,068	785	23.2	24.7	133,750,538	97,285,799	74.2	70.5
Alabama.....	3,398	1,882	788	578	23.2	30.7	123,502,394	92,725,327	84.6	84.9
Mississippi.....	2,598	1,920	555	447	21.4	29.4	58,719,954	42,169,292	72.9	73.4
WEST SOUTH CENTRAL:										
Arkansas.....	2,925	1,907	640	518	21.9	27.2	55,585,992	38,724,917	74.2	71.9
Louisiana.....	2,516	2,091	910	700	36.2	33.5	183,303,633	138,977,223	81.8	74.6
Oklahoma.....	2,310	1,123	501	1,242	21.7	21.5	39,390,339	17,401,144	73.4	71.1
Texas.....	4,588	3,158	1,352	839	29.5	26.6	231,069,361	120,133,146	84.7	79.8
MOUNTAIN:										
Montana.....	677	382	203	118	30.0	30.9	68,458,197	63,369,703	93.4	95.4
Idaho.....	725	364	200	105	27.6	28.8	16,982,034	6,136,137	75.8	70.0
Wyoming.....	268	169	168	155	25.0	32.0	14,664,800	2,751,358	74.6	78.1
Colorado.....	2,034	1,606	698	478	34.3	29.8	116,991,543	89,377,091	90.0	89.2
New Mexico.....	313	199	196	153	30.4	25.6	16,253,689	1,645,600	79.2	81.4
Arizona.....	311	169	122	71	38.6	42.0	148,305,675	27,135,784	96.1	96.6
Utah.....	749	606	294	203	39.3	33.5	56,234,329	34,765,530	90.7	89.3
Nevada.....	177	115	170	34	37.3	29.6	110,761,784	2,220,209	90.5	71.7
PACIFIC:										
Washington.....	3,674	2,751	1,444	926	39.3	33.7	185,171,875	103,215,882	83.9	80.1
Oregon.....	2,246	1,602	640	409	28.5	25.5	70,781,209	40,034,288	76.1	72.1
California.....	7,659	6,839	2,459	1,917	32.1	28.0	439,664,967	280,742,589	82.9	76.5

<sup>1</sup> Includes establishments operated under other forms of ownership, to avoid disclosing individual operations. There were eight of these establishments in 1909 and seven in 1904 which were included in the total for geographic divisions but are not included in the total for the United States.

Table 22 shows that in most of the states in 1909 the number of manufacturing establishments owned by corporations represented between one-fifth and one-third of the total number of manufacturing establishments. Vermont, North Dakota, Nebraska, Maryland, and Virginia were the only states in which less than one-fifth of the establishments were owned by corporations, and Rhode Island, Connecticut, Ohio, Louisiana, and five states in the western part of the country were the only ones in which over one-third were under this form of ownership. In a large majority of the states the proportion of establishments operated by corporations was larger in 1909 than in 1904, the exceptions being Nebraska, Virginia, South Carolina, Georgia, Tennessee, Alabama, Mississippi, Arkansas, Montana, Idaho, Wyoming, and Arizona.

In most of the states between three-fifths and nine-tenths of the total value of manufactured products in 1909 was reported by establishments under corporate

ownership. The only state in which the proportion was less than three-fifths was South Dakota, while in Connecticut, South Carolina, Montana, Colorado, Arizona, Utah, and Nevada the proportion was nine-tenths or more. Among the great manufacturing states, New York is conspicuous for the comparatively small proportion, 62.6 per cent, of the value of its products contributed by this class of establishments. In almost every state a larger percentage of the total value of products was reported by such establishments in 1909 than in 1904, thus indicating that the tendency toward the incorporation of manufacturing concerns, particularly the larger concerns, is general and to a considerable degree independent of variations in state legislation regarding corporations. The only states in which the proportion of the total value produced by corporations was less in 1909 than in 1904 are Nebraska, Delaware, Alabama, Mississippi, Montana, Wyoming, New Mexico, and Arizona, and the difference in each case was slight.

### SIZE OF ESTABLISHMENTS.

**Summary for United States.**—The tendency for manufacturing to become concentrated in large establishments, or the reverse, is a matter of interest from the standpoint of industrial organization. In order to throw some light upon it, Table 23 groups the establishments in all industries combined according to the value of their products, and shows for each group, for 1909 and 1904, the number of wage earners, value of products, and value added by manufacture, together with the percentage of the respective totals represented by each group. It also gives the average size of establishments as measured by these three items; the changes in this average are, however, much less significant than the changes in the percentages for the several groups.

Of the 268,491 establishments reported as engaged in manufacturing industries in 1909, there were 3,060, or 1.1 per cent, whose products were valued at more than \$1,000,000 each. The corresponding figures for 1904 were 1,900 establishments out of 216,180, or nine-tenths of 1 per cent. While these establishments represented a comparatively small proportion of the total number of establishments, they gave employment to a much larger proportion of all the wage earners reported, namely, 30.5 per cent in 1909 and 25.6 per cent in 1904. The value of products of such establishments represented 43.8 per cent of the total value of products in 1909 and 38 per cent in 1904.

The figures indicate that establishments of this class produced a considerably larger proportion of the manufactures of the country in 1909 than in 1904. It should be noted that the increased proportion is due partly to the fact that certain establishments included in the other groups in 1904 were included in this group in 1909 as the result of an increase in the value of their output.

**Table 23**

VALUE OF PRODUCTS.	Number of establishments.	Average number of wage earners.	Value of products.	Value added by manufacture.
<b>All classes:</b>				
1909.....	268,491	6,815,046	\$20,672,051,870	\$8,528,260,992
1904.....	216,180	5,468,383	14,793,902,583	6,293,694,753
<b>Less than \$5,000:</b>				
1909.....	93,349	142,430	222,463,847	144,246,008
1904.....	71,147	106,353	176,128,212	114,781,124
<b>\$5,000 and less than \$20,000:</b>				
1909.....	86,988	470,006	904,645,664	509,907,934
1904.....	72,791	419,466	751,047,759	424,129,643
<b>\$20,000 and less than \$100,000:</b>				
1909.....	57,270	1,090,449	2,544,426,711	1,258,317,991
1904.....	48,096	1,027,047	2,129,257,883	1,090,271,857
<b>\$100,000 and less than \$1,000,000:</b>				
1909.....	27,824	2,806,532	7,946,935,255	3,572,746,038
1904.....	22,246	2,515,064	6,109,012,538	2,782,641,883
<b>\$1,000,000 and over:</b>				
1909.....	3,060	2,015,629	9,053,580,393	3,044,043,021
1904.....	1,900	1,400,453	5,628,456,171	1,881,870,216
<b>Per cent of total:</b>				
1909.....	100.0	100.0	100.0	100.0
1904.....	100.0	100.0	100.0	100.0
<b>Less than \$5,000:</b>				
1909.....	34.8	2.2	1.1	1.7
1904.....	32.9	1.9	1.2	1.8
<b>\$5,000 and less than \$20,000:</b>				
1909.....	32.4	7.1	4.4	6.0
1904.....	33.7	7.7	5.1	6.7
<b>\$20,000 and less than \$100,000:</b>				
1909.....	21.3	16.5	12.3	14.8
1904.....	22.2	18.8	14.4	17.3
<b>\$100,000 and less than \$1,000,000:</b>				
1909.....	10.4	43.8	38.4	41.9
1904.....	10.3	46.0	41.3	44.2
<b>\$1,000,000 and over:</b>				
1909.....	1.1	30.5	43.8	35.7
1904.....	0.9	25.6	38.0	29.9
<b>Average per establishment:</b>				
1909.....		25	\$76,993	\$31,767
1904.....		25	68,433	29,113

In 1909 establishments with a product valued between \$100,000 and \$1,000,000, gave employment to 43.8 per cent of the wage earners, and the value of their products formed 38.4 per cent of the total. Establishments with a product valued between \$20,000 and \$100,000 gave employment to about one-sixth of the wage earners, and the value of their products formed about one-eighth of the total. The establishments which

had a product valued between \$5,000 and \$20,000, constituted about one-third of the whole number, but gave employment to only 7.1 per cent of the wage earners, and the value of their products formed only 4.4 per cent of the total. Establishments that had a product in 1909 valued at less than \$5,000 also formed about one-third of the total number, but they gave employment to only 2.2 per cent of the wage earners and turned out products whose value amounted to only 1.1 per cent of the total. In this class of establishments a large proportion of the work was done by the proprietors and firm members.

Of the five classes designated, the class of establishments with products valued at \$1,000,000 or over is the only one that reported a larger proportion of the total value of products in 1909 than in 1904, every other class having lost relatively. The same statement is true as to the number of wage earners, except that the establishments of smallest size, as well as those of largest size, have gained somewhat in their proportion of the total number employed.

During the five years 1904-1909 the average value of products per establishment increased from \$68,433 to \$76,993, and the average value added by manufacture from \$29,113 to \$31,767. These changes can scarcely be taken as in themselves indicating a tendency toward concentration, as the increased values shown are due in part to the increase that has taken place in the prices of commodities. The average number of wage earners per establishment was the same at the two censuses, namely, 25.

**Relative importance of large establishments in the principal industries: 1909 and 1904.**—The following table shows for the principal industries of the United States, for 1909 and 1904, the number of establishments manufacturing products to the value of \$1,000,000 or more, and the percentage which these establishments represent of the total number of establishments; also the value of products made by establishments of this class and the proportion which that value represents of the total for all establishments in the industry.

INDUSTRY.	NUMBER OF ESTABLISHMENTS.						VALUE OF PRODUCTS OF ESTABLISHMENTS REPORTING PRODUCTS VALUED AT \$1,000,000 OR OVER.			
	Total.		Reporting products valued at \$1,000,000 or over.				Amount.		Percent of total.	
			Number.		Percent of total.					
	1909	1904	1909	1904	1909	1904	1909	1904	1909	1904
<b>All industries.....</b>	<b>268,491</b>	<b>216,180</b>	<b>3,060</b>	<b>1,900</b>	<b>1.1</b>	<b>0.9</b>	<b>\$9,053,580,393</b>	<b>\$5,628,456,171</b>	<b>43.8</b>	<b>38.0</b>
Agricultural implements.....	640	648	34	27	5.3	4.2	94,133,206	58,479,820	64.3	52.2
Automobiles, including bodies and parts.....	743	178	56	10	7.5	5.6	170,386,862	13,995,669	68.4	46.6
Boots and shoes, including cut stock and findings.....	1,918	1,895	135	162	7.0	3.3	244,547,642	119,079,802	47.7	33.3
Brass and bronze products.....	1,021	813	24	17	2.4	2.1	85,947,143	51,736,503	57.3	50.5
Bread and other bakery products.....	23,926	18,226	21	14	0.1	0.1	36,385,586	23,083,467	9.2	8.6
Butter, cheese, and condensed milk.....	8,479	8,926	9	(1)	0.1	.....	11,933,853	(1)	4.3	.....
Canning and preserving.....	3,767	3,168	13	4	0.3	0.1	23,468,494	5,627,011	14.9	4.3
Carrriages and wagons and materials.....	5,492	5,388	13	8	0.2	0.1	23,926,135	13,957,216	15.0	9.0
Cars and general shop construction and repairs by steam-railroad companies.....	1,145	1,140	94	68	8.2	6.0	189,111,516	125,671,900	46.6	40.6
Cars, steam-railroad, not including operations of railroad companies.....	110	73	25	25	22.7	34.2	99,841,717	98,706,346	80.7	88.8
Chemicals.....	349	275	31	18	8.9	6.5	70,806,560	36,296,917	60.2	48.3
Clothing, men's, including shirts.....	6,354	5,145	84	58	1.3	1.1	167,971,252	101,580,521	29.6	24.9
Clothing, women's.....	4,538	3,351	22	11	0.5	0.3	30,612,144	14,037,712	8.0	5.7
Confectionery.....	1,944	1,348	12	5	0.6	0.4	18,908,220	7,733,842	14.1	8.9
Copper, tin, and sheet-iron products.....	4,228	2,540	27	15	0.6	0.6	44,988,549	25,257,976	22.5	21.1
Cotton goods, including cotton small wares.....	1,324	1,154	163	99	12.3	8.6	332,345,643	197,884,132	52.9	43.9
Electrical machinery, apparatus, and supplies.....	1,009	784	31	22	3.1	2.8	126,375,340	85,154,284	57.1	60.5
Flour-mill and gristmill products.....	11,691	10,051	138	87	1.2	0.9	319,047,659	202,932,454	36.1	28.5
Foundry and machine-shop products.....	13,253	10,765	180	111	1.4	1.0	336,015,899	193,749,471	29.0	22.0
Furniture and refrigerators.....	3,155	2,593	11	8	0.3	0.3	20,070,913	12,522,557	8.4	7.0
Gas, illuminating and heating.....	1,296	1,019	28	24	2.2	2.4	96,335,457	73,898,211	57.8	59.0
Hosiery and knit goods.....	1,374	1,144	25	11	1.8	1.0	37,125,550	15,018,710	18.5	11.0
Iron and steel, blast furnaces.....	208	190	86	49	41.2	25.8	333,992,823	173,321,243	88.8	74.8
Iron and steel, steel works and rolling mills.....	446	415	186	131	41.7	31.6	896,764,339	570,175,757	91.0	84.6
Leather, tanned, cured, and finished.....	919	1,049	78	48	8.5	4.6	157,911,458	91,587,225	48.2	36.2
Liquors, distilled.....	613	805	39	22	6.4	2.7	148,433,755	101,537,912	72.5	77.4
Liquors, malt.....	1,414	1,530	67	46	4.7	3.0	138,046,347	84,069,197	36.8	28.2
Lumber and timber products.....	40,671	25,153	72	26	0.2	0.1	103,756,410	33,550,164	9.0	4.0
Oil, cottonseed, and cake.....	817	715	17	9	2.1	1.3	38,974,829	21,351,063	24.3	22.1
Paint and varnish.....	791	639	26	16	3.3	2.5	44,109,139	29,873,089	35.3	32.9
Paper and wood pulp.....	777	761	50	30	6.4	3.9	93,580,398	47,301,705	35.0	25.1
Patent medicines and compounds and druggists' preparations.....	3,642	2,777	19	14	0.5	0.5	33,632,561	26,851,722	23.7	22.9
Petroleum, refining.....	147	98	35	19	23.8	19.4	208,671,648	154,949,485	88.0	85.3
Printing and publishing.....	31,445	27,793	74	43	0.2	0.2	137,082,261	82,419,032	18.6	14.9
Silk and silk goods, including throwsters.....	852	624	37	23	4.3	3.7	68,579,896	39,778,944	34.8	29.8
Slaughtering and meat packing.....	1,641	1,221	166	110	10.1	9.0	1,176,461,413	773,222,035	85.8	83.9
Smelting and refining, copper.....	38	40	32	31	84.2	77.5	375,133,093	238,228,190	99.0	99.0
Smelting and refining, lead.....	28	32	21	18	75.0	56.2	166,045,144	181,011,667	99.2	97.4
Tobacco manufactures.....	15,822	16,827	64	43	0.4	0.3	203,834,122	123,000,821	48.9	37.1
Woolen, worsted, and felt goods, and wool hats.....	985	1,074	86	63	8.7	5.9	248,343,985	135,993,881	57.0	42.6
All other industries.....	69,459	53,613	729	455	1.0	0.8	1,880,724,222	1,242,336,558	37.2	33.9

<sup>1</sup> The statistics for three establishments omitted, to avoid the disclosure of individual operations.

<sup>2</sup> The statistics for two establishments omitted, to avoid the disclosure of individual operations.

<sup>3</sup> The statistics for one establishment omitted, to avoid the disclosure of individual operations.

The total value of products for each industry as a whole, from which the percentages in the last two columns are calculated, appears in Table 110. Three important industries, the manufacture of leather goods, marble and stone work, and sugar and molasses, are not shown in the table in order to avoid the disclosure of individual operations.

While the gross value of products is in some respects not the best criterion of the relative importance of different industries or of different states or sections in respect to manufacturing business, it is a fairly satisfactory standard for comparing different classes of establishments within the same industry. Table 24 shows, as might be expected, exceedingly wide variation among the different industries in respect to the proportion of large establishments, and in respect to the proportion of the total value of products which is reported by such establishments. The industry in which establishments reporting products to the value of \$1,000,000 or more constitute the largest proportion of the total number of establishments is the smelting and refining of copper, followed, in order, by the smelting and refining of lead, steel works and rolling mills, blast furnaces, the refining of petroleum, and the construction of steam-railroad cars. In each of these industries in 1909 establishments of this class constituted more than one-fifth of the total number, and in the smelting and refining of copper they constituted about five-sixths of the total. In these industries, moreover, establishments of this size reported exceptionally high proportions of the total value of products. The smelting and refining of lead and of copper ranked highest in this respect, with 99.2 and 99 per cent, respectively, of the total value of products reported by establishments with a value of products above \$1,000,000. The slaughtering and meat-packing industry, also, though its proportion of large establishments is not conspicuously high, shows a very high proportion of the total value of products, 85.8 per cent, reported from such establishments.

On the other hand, there are a number of industries in which the smaller establishments predominate and in which only a very small proportion of the total value of products is contributed by establishments manufacturing products to the value of \$1,000,000 or more. In the bakery, butter, cheese, and condensed-milk, women's clothing, furniture, and lumber industries the proportion of the total value of products reported by such establishments is less than 10 per cent, and there are several other industries of importance in which the proportion is less than 20 per cent.

In practically every industry named in the table the number of establishments manufacturing products to the value of \$1,000,000 or more increased materially

from 1904 to 1909, and constituted a larger proportion of the total number of establishments in the later year than in the earlier. In the same way the value of the products of such establishments in nearly every industry constituted a larger proportion of the total value in 1909 than in 1904, the only exceptions being in the manufacture of electrical machinery, apparatus, and supplies, the construction of railroad cars, the illuminating-gas industry, the distillery industry, and the refining of petroleum.

**Relative importance of large establishments, by states: 1909 and 1904.**—Table 25 presents, by states grouped according to geographic divisions, statistics showing the relative importance of the establishments having a product valued at \$1,000,000 or over for the census years 1909 and 1904. Certain states are not shown separately, as to do so would disclose individual operations.

The differences among the several states with respect to the extent to which manufacturing is carried on in large establishments are dependent in part upon the character of the industries predominant in each state. It also depends in part upon the degree to which those industries have been developed; in those states in which manufactures are extensive the large establishments are likely, other conditions being equal, to do a greater proportion of the manufacturing than in states where manufactures are relatively unimportant.

The state in which establishments manufacturing products to the value of \$1,000,000 or more represented the largest proportion of the total number of establishments in 1909 was Rhode Island, with 3.5 per cent, followed by Arizona and Massachusetts, in the order named. The proportion in New York, the leading manufacturing state, was comparatively low, 1 per cent. There are several states in which such establishments represented only a small fraction of 1 per cent of the total number.

In most of the states the large establishments contributed a very considerable proportion of the entire value of manufactured products. The state in which this proportion was the highest in 1909 is Arizona, with 84.1 per cent, followed by Nebraska, Montana, Kansas, New Jersey, Illinois, Utah, and Pennsylvania, in each of which states the products of establishments of this class represented more than one-half of the total value. The predominance of the smelting and refining of copper and lead in the Mountain states named, of the slaughtering and meat-packing industry in Kansas and Nebraska, of the slaughtering and the iron and steel industries in Illinois, of the iron and steel industry in Pennsylvania, and of the smelting and refining of copper and the refining of petroleum in New Jersey serve in a large measure to explain these high

percentages. In New York, the most important manufacturing state, 37 per cent of the total value of products was reported by establishments of the class under consideration, this comparatively low percentage being the result in part of the great magnitude in that state

of the clothing industries, which are mostly conducted in small establishments. Of the states given in the table those in which the proportion of the total value of products reported by large establishments is less than 10 per cent are Oklahoma, Arkansas, and Florida.

Table 25

Table 25	NUMBER OF ESTABLISHMENTS.						VALUE OF PRODUCTS OF ESTABLISHMENTS REPORTING PRODUCTS VALUED AT \$1,000,000 OR OVER.				
	STATE.	Total.		Reporting products valued at \$1,000,000 or over.				Amount.		Per cent of total.	
				Number.		Per cent of total.					
		1909	1904	1909	1904	1909	1904	1909	1904	1909	1904
United States .....	268,491	216,180	3,060	1,900	1.1	0.9	\$9,053,580,393	\$5,628,456,171	43.8	38.0	
NEW ENGLAND:											
Maine.....	3,546	3,145	25	17	0.7	0.5	57,250,905	32,815,822	32.5	22.8	
New Hampshire.....	1,961	1,618	34	20	1.7	1.2	80,784,016	45,369,594	49.1	36.7	
Vermont.....	1,958	1,699	4	6	0.2	0.4	7,195,281	8,475,059	10.5	13.4	
Massachusetts.....	11,684	10,723	293	191	2.5	1.8	719,811,362	458,142,511	48.3	40.8	
Rhode Island.....	1,951	1,617	69	41	3.5	2.6	135,285,205	80,665,916	48.3	39.6	
Connecticut.....	4,251	3,477	93	65	2.2	1.9	241,562,058	157,091,418	49.3	42.7	
MIDDLE ATLANTIC:											
New York.....	44,935	37,194	470	294	1.0	0.8	1,245,968,072	816,099,837	37.0	32.5	
New Jersey.....	8,817	7,010	194	121	2.2	1.7	649,848,742	384,853,547	56.7	49.7	
Pennsylvania.....	27,563	23,495	400	284	1.5	1.2	1,331,111,312	901,539,525	50.7	46.1	
EAST NORTH CENTRAL:											
Ohio.....	15,138	13,785	245	136	1.6	1.0	666,243,771	331,726,477	46.3	34.5	
Indiana.....	7,909	7,044	32	45	1.2	0.6	272,679,064	134,974,371	47.1	34.3	
Illinois.....	18,026	14,921	273	168	1.5	1.1	1,078,746,101	755,157,389	56.2	53.5	
Michigan.....	9,159	7,446	88	41	1.0	0.6	258,341,060	100,138,469	37.7	23.3	
Wisconsin.....	9,721	8,558	86	58	0.9	0.7	228,084,707	124,948,292	38.6	30.4	
WEST NORTH CENTRAL:											
Minnesota.....	5,561	4,756	65	39	1.2	0.8	198,507,729	132,541,419	48.5	43.1	
Iowa.....	5,528	4,785	29	11	0.5	0.2	95,585,315	41,069,284	36.9	25.6	
Missouri.....	8,375	6,464	94	68	1.1	1.1	271,595,930	189,536,754	47.3	43.1	
Nebraska.....	2,590	1,819	17	9	0.7	0.5	137,133,162	110,013,438	68.9	71.0	
Kansas.....	3,435	2,475	34	21	1.0	0.8	204,385,280	114,177,287	62.9	57.6	
SOUTH ATLANTIC:											
Delaware.....	726	631	7	9	1.0	1.4	16,892,803	13,711,604	32.0	33.3	
Maryland.....	4,837	3,852	41	34	0.8	0.9	124,586,041	95,606,842	39.5	39.3	
District of Columbia.....	518	482	3	(1)	0.6	.....	5,012,734	(1)	19.8	.....	
Virginia.....	5,685	3,187	26	15	0.5	0.5	59,124,982	34,071,459	26.9	22.9	
West Virginia.....	2,586	2,109	33	14	1.3	0.7	62,481,895	25,154,989	38.6	25.4	
North Carolina.....	4,931	3,272	22	9	0.4	0.3	58,648,316	30,411,650	27.1	21.3	
South Carolina.....	1,854	1,399	17	13	0.9	0.9	24,887,694	17,817,696	22.0	22.4	
Georgia.....	4,792	3,219	18	10	0.4	0.3	34,054,085	20,664,194	16.8	13.7	
Florida.....	2,159	1,413	4	.....	0.2	.....	4,456,669	.....	6.1	.....	
EAST SOUTH CENTRAL:											
Kentucky.....	4,776	3,734	29	17	0.6	0.5	62,164,920	38,590,336	27.8	24.2	
Tennessee.....	4,609	3,175	17	11	0.4	0.3	30,567,045	18,796,261	17.0	13.6	
Alabama.....	3,398	1,882	22	14	0.6	0.7	42,048,999	25,070,580	28.8	23.0	
WEST SOUTH CENTRAL:											
Arkansas.....	2,925	1,907	23	(1)	0.1	.....	5,443,573	(1)	7.3	.....	
Louisiana.....	2,516	2,091	43	13	0.9	0.6	75,417,505	54,118,186	33.7	29.0	
Oklahoma.....	2,310	1,123	4	.....	0.2	.....	4,884,270	.....	9.1	.....	
Texas.....	4,588	3,158	36	17	0.8	0.5	102,054,306	39,030,054	37.4	25.9	
MOUNTAIN:											
Montana.....	677	382	6	6	0.9	1.6	49,871,216	52,545,498	68.1	79.1	
Colorado.....	2,034	1,696	20	16	1.0	1.0	58,645,700	50,670,493	45.1	50.6	
Arizona.....	311	169	9	7	2.9	4.1	42,276,901	22,761,981	84.1	81.0	
Utah.....	749	606	7	5	0.9	0.8	33,100,176	20,978,066	53.4	53.9	
PACIFIC:											
Washington.....	3,674	2,751	20	13	0.5	0.5	42,379,727	28,001,570	19.2	21.7	
Oregon.....	2,246	1,602	8	5	0.4	0.3	14,398,817	7,873,317	15.5	14.2	
California.....	7,659	6,839	71	31	0.9	0.5	202,103,929	105,272,449	38.2	28.7	
All other states <sup>2</sup> .....	5,853	3,560	8	6	0.1	0.2	17,938,958	8,162,677	10.8	8.0	

<sup>1</sup> Excluded to avoid disclosures of individual establishments, but included in the total for the United States.

<sup>2</sup> All other states embrace Idaho, Mississippi, Nevada, North Dakota, and Wyoming in 1909 and Arkansas, District of Columbia, Mississippi, and New Mexico in 1904.

In a large majority of the states, establishments manufacturing products to the value of \$1,000,000 or more represented a larger proportion of the total number of establishments in 1909 than in 1904, and reported a larger proportion of the total value of

products in the later year than in the earlier. The only states where this was not true with respect to the value of products are Vermont, Delaware, South Carolina, Nebraska, Montana, Colorado, Utah, and Washington.

Establishments grouped according to number of wage earners: 1909.—In some respects, and especially from the standpoint of conditions under which persons engaged in manufactures work, the best classification of establishments to bring out the feature of size is a classification according to the number of wage earners employed, which is shown by Table 26.

Table 26

ESTABLISHMENTS EMPLOYING—	ESTABLISHMENTS, WAGE EARNERS, AND PER CENT OF TOTAL.			
	Number of establishments.	Average number of wage earners.	Per cent of total.	
			Estab-lish-ments.	Wage earners.
<b>Total</b> .....	<b>268,491</b>	<b>6,615,048</b>	<b>100.0</b>	<b>100.0</b>
No wage earners.....	27,712		10.3	
1 to 5 wage earners.....	136,289	311,704	50.8	4.7
6 to 20 wage earners.....	57,198	604,793	21.3	9.7
21 to 50 wage earners.....	23,544	704,408	8.8	11.0
51 to 100 wage earners.....	10,964	782,298	4.1	11.8
101 to 250 wage earners.....	8,116	1,258,639	3.0	19.0
251 to 500 wage earners.....	2,965	1,006,457	1.1	15.2
501 to 1,000 wage earners.....	1,223	837,472	0.5	12.7
Over 1,000 wage earners.....	540	1,013,274	0.2	15.3

Of the 268,491 establishments reported for all industries, 10.3 per cent employed no wage earners; 50.8 per cent, from 1 to 5; 21.3 per cent, 6 to 20; and 8.8 per cent, 21 to 50. The most numerous single group consists of the 136,289 establishments employing from 1 to 5 wage earners, and the next of the 57,198 establishments employing from 6 to 20 wage earners. There were 4,668 establishments that reported the employment of over 250 wage earners; 540 of these employed over 1,000.

The single group having the largest number of wage earners was the group comprising the establishments employing from 101 to 250. This group employed 1,258,639 wage earners, or 19 per cent of the total number.

Table 27 shows, for 1909, for all industries combined and for 43 industries individually the number of establishments and average number of wage earners, by groups, and the percentage of wage earners in each group for these industries.

Table 27

INDUSTRY.	ESTABLISHMENTS EMPLOYING—															Per cent wage earners in establishments employing specified number form of total.		
	Total.		No wage earners.		1 to 20 wage earners.		21 to 100 wage earners.		101 to 500 wage earners.		Over 500 wage earners.							
	Estab-lish-ments.	Wage earners (average number).	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	1 to 20 wage earners.	21 to 100 wage earners.	101 to 500 wage earners.	Over 500 wage earners.		
<b>All Industries.....</b>	<b>268,491</b>	<b>6,615,046</b>	<b>27,712</b>	<b>193,487</b>	<b>952,497</b>	<b>34,508</b>	<b>1,546,706</b>	<b>11,021</b>	<b>2,265,096</b>	<b>1,763</b>	<b>1,850,747</b>	<b>14.4</b>	<b>23.4</b>	<b>34.2</b>	<b>28.0</b>			
Agricultural implements.....	640	50,551	40	372	2,067	133	6,496	77	17,902	18	24,176	4.1	12.7	35.4	47.8			
Automobiles, including bodies and parts	743	75,721	12	303	2,716	195	9,483	108	23,768	35	39,754	3.6	12.5	31.3	52.5			
Boots and shoes, including cut stock and findings.....	1,918	198,297	49	539	6,176	538	27,268	414	97,691	78	67,162	3.1	13.8	49.2	33.9			
Brass and bronze products.....	1,021	40,618	56	717	4,421	174	7,416	61	12,422	13	16,530	10.9	18.2	30.6	40.2			
Bread and other bakery products.....	23,926	100,216	3,643	19,751	60,112	426	17,977	101	17,880	5	4,247	59.9	17.9	17.9	4.2			
Butter, cheese, and condensed milk.....	8,479	18,431	1,025	7,332	12,634	115	4,852	7	945			68.5	26.3	5.1				
Canning and preserving.....	3,767	59,968	92	3,015	17,575	571	24,519	86	15,459	3	2,415	29.3	40.9	25.8	4.0			
Carriages and wagons and materials.....	5,492	69,928	440	4,462	23,141	484	21,765	98	17,729	8	7,293	33.1	31.1	25.3	10.4			
Cars and general shop construction and repairs by steam-railroad companies.....	1,145	282,174		251	2,409	310	16,841	418	101,068	166	161,856	0.9	6.0	35.8	57.4			
Cars, steam-railroad, not including operations of railroad companies.....	110	43,086	1	12	130	36	1,886	39	9,669	22	31,401	0.3	4.4	22.5	72.8			
Chemicals.....	349	23,714	11	203	1,432	58	4,004	36	8,626	11	9,652	6.1	16.9	36.4	40.7			
Clothing, men's, including shirts.....	6,354	239,696	191	3,713	33,185	2,045	85,702	353	70,846	52	49,963	13.8	35.7	29.5	20.8			
Clothing, women's.....	4,538	153,743	68	2,438	23,813	1,754	74,965	292	51,014	6	9,951	15.5	48.7	33.1	2.6			
Confectionery.....	1,944	44,638	136	1,376	7,194	313	14,547	115	20,145	4	2,732	16.2	32.6	45.1	6.2			
Copper, tin, and sheet-iron products.....	4,228	73,615	183	3,498	17,635	407	16,962	124	26,931	16	12,087	23.9	23.1	36.6	16.4			
Cotton goods, including cotton small wares.....	1,324	378,880	3	139	1,418	405	22,851	573	135,735	204	218,876	0.3	6.0	35.9	57.7			
Electrical machinery, apparatus, and supplies.....	1,009	87,256	22	607	3,983	243	11,357	117	23,885	20	48,026	4.5	13.0	27.4	55.0			
Flour-mill and gristmill products.....	11,601	39,453	1,849	9,557	26,023	239	9,326	13	2,124	3	1,980	65.9	23.6	5.4	3.0			
Foundry and machine-shop products.....	13,253	531,011	639	8,561	54,963	2,902	133,613	1,009	203,427	142	139,008	10.3	25.2	38.3	26.7			
Furniture and refrigerators.....	3,155	128,452	95	1,655	11,569	1,106	33,607	287	33,458	12	9,815	9.0	41.5	41.0	7.6			
Gas, illuminating and heating.....	1,206	37,215	108	939	4,811	180	8,377	58	11,529	11	12,408	12.9	22.5	31.0	33.6			
Hosiery and knit goods.....	1,374	129,275	31	466	4,386	521	26,620	323	68,059	33	30,210	3.4	20.6	52.6	23.4			
Iron and steel, blast furnaces.....	208	38,429		11	125	78	5,082	105	22,454	14	10,764	0.3	13.3	58.4	28.0			
Iron and steel, steel works and rolling mills.....	446	240,076		26	287	94	5,683	187	49,965	139	184,141	0.1	2.4	23.8	76.7			
Leather goods.....	2,375	34,907	107	1,876	9,818	333	14,390	58	10,661	1	638	28.2	4.1	28.8	1.8			
Leather, tanned, curried, and finished.....	919	62,202	30	379	2,664	350	17,765	142	26,890	18	14,883	4.3	28.5	43.2	24.0			
Liquors, distilled.....	613	6,430	41	487	1,798	76	3,132	9	1,500			28.0	45.8	23.3				
Liquors, malt.....	1,414	54,579	23	732	7,078	551	24,656	80	15,034	8	7,831	12.9	45.2	27.6	14.4			
Lumber and timber products.....	40,671	695,019	969	33,922	186,140	4,559	196,704	1,214	241,234	87	70,941	26.8	28.3	34.7	10.2			
Marble and stone work.....	4,964	65,603	264	4,010	19,650	595	24,955	92	17,176	3	3,822	30.0	38.0	26.2	5.8			
Oil, cottonseed, and cake.....	817	17,071		511	5,703	301	10,772	5	596			33.4	63.1	3.5				
Paint and varnish.....	791	14,240	38	602	3,073	117	5,139	33	5,397	1	631	21.5	36.1	37.9	4.4			
Paper and wood pulp.....	777	75,978		193	2,231	352	17,849	215	45,930	17	11,968	2.9	23.4	57.9	15.8			
Patent medicines and compounds and druggists' preparations.....	3,642	22,805	1,051	2,396	8,193	165	6,757	27	4,971	3	2,974	35.8	29.5	21.7	13.0			
Petroleum, refining.....	147	13,929		75	718	43	1,810	23	6,295	6	5,106	5.1	13.0	45.2	36.6			
Printing and publishing.....	31,445	258,434	6,940	22,554	93,683	1,877	79,316	344	63,249	30	22,195	36.3	30.7	24.4	8.6			
Silk and silk goods, including throwsters	832	99,037	3	243	2,512	335	17,604	243	52,380	28	26,091	2.6	17.8	53.3	26.4			
Slaughtering and meat packing.....	1,641	89,728	86	1,206	6,096	247	11,404	62	13,911	40	58,317	6.8	12.8	15.5	65.0			
Smelting and refining, copper.....	38	15,628		7	453	19	4,343	12	10,832			2.9	27.8	69.3				
Smelting and refining, lead.....	28	7,424		5	56	3	167	16	4,940	4	2,261	0.7	2.2	66.5	30.5			
Sugar and molasses.....	214	4,127		150	1,463	62	2,298	2	366			35.4	55.7	8.9				
Tobacco manufactures.....	15,822	196,810	4,995	9,823	34,483	635	30,070	258	55,483	51	46,774	20.6	18.0	33.3	28.1			
Woolen, worsted, and felt goods, and wool hats.....	985	168,722	30	219	1,578	346	19,924	334	67,460	56	79,700	1.0	11.8	43.0	47.2			
All other industries.....	61,906	1,657,840	4,501	44,041	243,350	10,137	450,452	2,844	566,708	383	397,330							



In 17 of the 43 industries listed separately in the table, establishments employing from 1 to 100 wage earners reported more than one-half of the total number employed in each industry. In 5 of these industries, establishments employing from 101 to 500 wage earners reported more than one-half of the total number, while 8 establishments employing over 500 wage earners reported more than one-half of the total.

The highest proportion (76.7 per cent) of wage earners employed by establishments reporting an average of more than 500 was in the steel works and rolling mill branch of the iron and steel industry.

Table 28 shows, for 1909, for geographic divisions and states, the number of establishments and average number of wage earners, by groups, and the percentage of wage earners in each group, for these divisions and states.

Table 28

DIVISION AND STATE.	ESTABLISHMENTS EMPLOYING—														Per cent wage earners in establishments employing specified number form of total.				
	TOTAL.		No wage earners.		1 to 20 wage earners.		21 to 100 wage earners.		101 to 500 wage earners.		Over 500 wage earners.				1 to 20 wage earners.	21 to 100 wage earners.	101 to 500 wage earners.	Over 500 wage earners.	
	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	Estab-lish-ments.	Wage earners.	1 to 20 wage earners.	21 to 100 wage earners.	101 to 500 wage earners.	Over 500 wage earners.			
<b>United States.....</b>	<b>268,491</b>	<b>6,615,046</b>	<b>27,712</b>	<b>193,487</b>	<b>952,497</b>	<b>34,508</b>	<b>1,546,706</b>	<b>11,021</b>	<b>2,265,036</b>	<b>1,763</b>	<b>1,850,747</b>	<b>14.4</b>	<b>23.4</b>	<b>34.2</b>	<b>28.0</b>				
<b>GEOGRAPHIC DIVISIONS:</b>																			
New England.....	25,351	1,101,290	2,132	17,116	91,068	4,012	183,104	1,699	363,839	392	463,279	8.3	16.6	33.0	42.1				
Middle Atlantic.....	81,315	2,207,147	8,918	55,704	291,378	12,421	556,007	3,332	742,393	574	617,969	13.2	25.1	33.6	28.0				
East North Central.....	60,013	1,513,764	7,274	42,252	192,201	7,411	340,201	439	540,595	490	440,767	12.7	25.2	35.7	26.5				
West North Central.....	27,171	374,337	3,667	29,573	78,209	2,951	90,275	574	117,981	92	87,872	20.9	24.1	31.5	23.5				
South Atlantic.....	28,088	663,015	1,669	21,271	118,435	3,854	169,759	1,135	231,455	159	143,866	18.0	25.6	34.9	21.5				
East South Central.....	15,381	261,772	911	12,770	62,082	1,710	74,579	447	89,188	43	53,223	25.9	28.5	34.0	13.5				
West South Central.....	12,339	204,530	1,028	9,645	49,180	1,262	53,546	373	74,471	31	27,323	24.1	26.2	36.5	13.3				
Mountain.....	5,254	75,453	677	4,079	16,775	860	16,252	119	25,988	19	16,440	22.3	21.5	34.4	21.8				
Pacific.....	13,579	213,146	1,436	10,303	52,069	1,421	63,003	395	79,186	24	18,908	24.4	29.5	37.1	8.9				
<b>NEW ENGLAND:</b>																			
Maine.....	3,546	79,955	298	2,716	12,363	387	18,190	123	25,207	22	24,195	15.5	22.8	31.6	30.2				
New Hampshire.....	1,961	78,658	158	1,409	7,201	256	11,326	114	24,621	24	35,510	9.1	14.4	31.3	45.1				
Vermont.....	1,958	33,788	131	1,514	7,023	255	10,343	55	11,852	3	4,570	20.7	30.6	35.1	13.5				
Massachusetts.....	11,684	584,559	943	7,548	43,134	2,109	98,989	867	185,876	217	259,500	7.3	16.4	31.8	44.4				
Rhode Island.....	1,951	113,538	158	1,136	7,046	359	17,352	195	45,366	43	43,774	6.2	15.3	39.9	38.5				
Connecticut.....	4,251	210,792	444	2,733	14,301	646	29,904	345	70,917	83	95,670	6.8	14.2	33.6	45.4				
<b>MIDDLE ATLANTIC:</b>																			
New York.....	44,935	1,003,981	4,667	31,323	169,732	7,107	307,812	1,637	321,531	201	204,906	16.9	30.7	32.1	20.4				
New Jersey.....	8,817	322,223	712	6,088	32,544	1,354	64,402	557	119,964	106	109,313	10.0	19.7	36.7	33.5				
Pennsylvania.....	27,563	876,747	3,539	18,535	89,102	3,966	183,793	1,438	300,898	267	303,750	10.1	21.0	34.2	34.6				
<b>EAST NORTH CENTRAL:</b>																			
Ohio.....	15,138	446,934	1,521	10,483	52,358	2,162	99,146	834	168,458	138	126,972	11.7	22.2	37.7	28.4				
Indiana.....	7,969	186,984	692	5,966	26,681	956	44,434	249	69,492	56	55,377	14.3	23.8	32.3	29.6				
Illinois.....	18,636	465,764	2,518	12,301	60,101	2,287	102,346	735	149,670	125	153,647	12.9	22.0	32.1	32.0				
Michigan.....	9,159	231,469	670	6,297	28,054	1,154	54,516	447	91,443	61	57,486	12.1	22.1	32.5	24.9				
Wisconsin.....	9,721	182,583	1,343	7,145	25,007	852	39,759	332	70,532	49	47,285	13.7	21.7	38.6	25.9				
<b>WEST NORTH CENTRAL:</b>																			
Minnesota.....	5,561	84,767	603	4,352	16,648	448	20,096	131	26,590	27	21,433	19.6	23.8	31.4	25.3				
Iowa.....	5,528	61,635	643	4,340	16,072	443	19,412	92	18,845	10	7,306	26.0	31.5	30.6	11.8				
Missouri.....	8,275	132,993	1,123	6,183	26,287	704	33,819	268	55,632	37	37,255	17.2	22.1	36.4	24.4				
North Dakota.....	732	2,759	125	601	2,610	24	322	2	247	2	57	57.7	33.4	8.9					
South Dakota.....	1,029	3,602	146	850	2,291	21	827	3	484	2	63	63.6	22.0	13.4					
Nebraska.....	2,590	24,336	481	1,869	6,295	121	5,358	285	4,969	6	7,694	25.9	29.2	20.5	31.6				
Kansas.....	3,435	44,215	546	2,592	9,006	230	9,831	55	11,194	12	14,184	20.4	22.3	25.3	32.1				
<b>SOUTH ATLANTIC:</b>																			
Delaware.....	726	21,238	46	534	3,222	101	4,216	38	6,807	7	6,993	15.1	19.9	32.1	32.9				
Maryland.....	4,837	107,921	504	3,538	18,629	596	26,269	109	34,176	30	28,847	17.2	24.3	31.7	26.7				
District of Columbia.....	518	7,707	75	331	1,937	83	3,463	8	1,547	1	538	25.1	47.5	20.1	7.2				
Virginia.....	5,685	105,676	209	4,689	25,491	461	25,570	138	27,112	26	27,363	24.1	21.1	25.7	26.1				
West Virginia.....	2,586	63,893	200	1,920	8,726	323	15,183	125	26,191	18	18,793	13.6	23.7	41.0	21.6				
North Carolina.....	4,941	121,473	171	3,852	21,027	654	30,288	232	47,013	22	25,145	17.3	25.0	38.7	19.0				
South Carolina.....	854	24,946	60	1,411	6,901	269	9,334	145	33,116	29	22,546	11.0	12.9	45.3	30.9				
Georgia.....	4,792	104,588	231	3,589	22,164	779	33,430	175	34,448	18	14,546	21.2	32.0	32.9	13.9				
Florida.....	2,159	57,473	112	1,387	9,749	547	21,744	105	21,045	8	8,065	16.9	37.8	36.6	8.6				
<b>EAST SOUTH CENTRAL:</b>																			
Kentucky.....	4,776	65,400	403	3,801	16,724	462	20,780	102	19,830	8	8,066	25.6	31.7	30.3	12.3				
Tennessee.....	4,609	73,840	306	3,679	18,617	471	21,271	143	26,348	10	7,604	25.2	28.8	35.7	10.3				
Alabama.....	3,398	72,148	131	2,714	14,877	411	17,698	127	26,505	15	13,908	20.6	24.1	36.8	18.1				
Mississippi.....	2,598	50,384	71	2,076	12,464	366	14,830	75	16,365	10	6,583	24.7	29.4	32.8	13.1				
<b>WEST SOUTH CENTRAL:</b>																			
Arkansas.....	2,925	44,982	169	2,368	12,493	308	12,843	73	14,087	7	5,559	27.8	28.6	31.3	12.3				
Louisiana.....	2,118	26,165	118	1,739	11,797	249	18,873	157	33,497	12	11,908	24.4	24.1	35.8	15.7				
Oklahoma.....	2,210	13,143	262	1,940	7,039	88	8,462	10	1,888	1	754	53.5	26.4	14.3	5.7				
Texas.....	4,588	70,230	479	3,529	17,851	436	18,368	133	24,999	11	9,012	25.4	26.1	35.6	12.9				
<b>MOUNTAIN:</b>																			
Montana.....	677	11,655	92	513	2,000	52	2,286	17	3,854	3	3,515	17.1	19.6	33.1	30.2				
Idaho.....	725	8,230	56	617	2,402	41	1,786	8	1,614	3	2,418	29.3	21.7	19.6	29.4				
Wyoming.....	288	2,867	40	216	903	3	1,044	8	1,347	1	735	21.0	5.7	47.0	26.3				
Colorado.....	2,634	28,967	325	1,511	6,539	147	6,942	42	10,116	4	3,379	38.1	24.4	38.8	12.1				
New Mexico.....	313	4,143	31	256	1,038	17	756	8	1,701	1	683	24.2	18.3	41.1	16.5				
Arizona.....	311	6,441	30	245	940	16	786	12	3,172	2	1,543	14.6	12.2	49.3	24.0				
Utah.....	749	11,785	74	582	2,478	71	2,825	17	2,970	5	3,512	21.0	24.0	25.2	29.8				
Nevada.....	177	2,257	23	139	490	13	687	1	445	1	637	21.7	30.5	19.6	28.2				
<b>PACIFIC:</b>																			
Washington.....	3,674	69,120	322	2,713	15,838	483	21,821	153	28,881	3	2,510	22.9	31.6	41.9	3.7				
Oregon.....	2,740	22,442	118	1,939	10,898	240	8,854	102	19,876	3	1,822	24.1	24.1	35.8	14.8				
California.....	7,659	115,296	882	5,831	28,516	738	32,228	190	39,976	18	14,576	24.7	27.9	34.6	12.7				

## DISTRIBUTION OF EXPENSES.

Expenses in leading industries.—As stated in the Introduction, the census does not purport to furnish figures that can be used for determining the total cost of manufacture and consequently the profits. Facts of interest can, however, be brought out concerning the relative importance of those classes of expenses which are reported. The following table shows in percentages the distribution of these expenses among the classes indicated, for all industries combined and for the 43 principal industries separately.

Table 29

INDUSTRY.	PER CENT OF TOTAL EXPENSES REPORTED.			
	Salaries.	Wages.	Materials.	Miscellaneous expenses.
<b>All industries</b> .....	<b>5.1</b>	<b>18.6</b>	<b>65.8</b>	<b>10.5</b>
Agricultural implements.....	8.6	24.3	51.1	16.0
Automobiles, including bodies and parts.....	4.5	21.1	62.5	9.9
Boots and shoes, including cut stock and findings.....	3.9	20.6	69.6	5.9
Brass and bronze products.....	4.1	17.3	72.6	6.0
Bread and other bakery products.....	4.0	17.4	69.9	8.6
Butter, cheese, and condensed milk.....	1.4	4.3	91.0	3.3
Canning and preserving.....	5.6	13.5	72.0	9.0
Carriages and wagons and materials.....	5.7	27.0	58.9	8.4
Cars and general shop construction and repairs by steam-railroad companies.....	4.3	44.7	49.2	1.8
Cars, steam-railroad, not including operations of railroad companies.....	4.3	23.0	66.7	6.0
Chemicals.....	6.5	15.0	68.2	10.3
Clothing, men's, including shirts.....	5.2	20.7	57.9	16.2
Clothing, women's.....	6.0	23.0	61.1	9.9
Confectionery.....	7.6	15.1	67.9	11.4
Copper, tin, and sheet-iron products.....	5.8	22.4	63.7	8.1
Cotton goods, including cotton small wares.....	2.6	24.0	66.9	6.5
Electrical machinery, apparatus, and supplies.....	10.1	24.5	53.8	11.7
Flour-mill and gristmill products.....	1.5	2.6	92.3	3.1
Foundry and machine-shop products.....	8.7	29.8	50.1	11.4
Furniture and refrigerators.....	7.3	30.8	51.0	10.9
Gas, illuminating and heating.....	10.9	18.4	46.2	24.5
Hosiery and knit goods.....	4.4	25.5	62.7	7.4
Iron and steel, blast furnaces.....	1.8	6.8	88.4	3.0
Iron and steel, steel works and rolling mills.....	2.9	18.3	72.9	4.8
Leather goods.....	7.2	19.3	64.6	8.9
Leather, tanned, curried, and finished.....	2.2	10.5	81.2	6.1
Liquors, distilled.....	1.0	1.6	18.4	79.0
Liquors, malt.....	7.6	13.7	32.2	46.5
Lumber and timber products.....	4.8	32.0	51.0	12.2
Marble and stone work.....	6.7	48.8	39.4	9.1
Oil, cottonseed, and cake.....	3.1	4.3	87.7	4.9
Paint and varnish.....	9.3	7.4	71.1	12.2
Paper and wood pulp.....	4.0	17.2	69.7	9.1
Patent medicines and compounds and druggists' preparations.....	14.9	8.7	44.1	32.4
Petroleum, refining.....	1.8	4.4	89.6	4.2
Printing and publishing.....	16.7	26.6	32.6	24.1
Silk and silk goods, including throwsters.....	4.2	21.8	60.8	13.2
Slaughtering and meat packing.....	1.5	3.9	91.3	3.3
Smelting and refining, copper.....	0.7	3.8	94.1	1.1
Smelting and refining, lead.....	0.9	3.4	94.8	0.9
Sugar and molasses, not including beet sugar.....	0.9	2.8	92.6	3.7
Tobacco manufactures.....	4.6	19.0	48.4	28.0
Woolen, worsted, and felt goods, and wool hats.....	2.6	18.7	72.9	5.8
All other industries.....	6.4	21.1	62.1	10.5

This table shows that, for all industries combined, 65.8 per cent of the total expenses reported were incurred for materials, 23.7 per cent for services (that is, salaries and wages), and 10.5 per cent for other purposes. As would be expected, these proportions vary greatly in the different industries. The item of salaries takes on large proportions in such industries as the gas industry, the manufacture of patent medicines, and printing and publishing, which require a

large force of employees for accounting and collecting. The industries for which the highest percentages for wages are shown—in each case over 30 per cent—are marble and stone work, steam-railroad repair shops, the lumber and timber industry, and the furniture industry. The cost of materials constituted over 90 per cent of the expenses reported in the smelting and refining of copper and lead, flour and grist milling and the manufacture of sugar and molasses, slaughtering and meat packing, and the butter, cheese, and condensed-milk industry. Miscellaneous expenses, which are made up principally of rent, taxes, insurance, and advertising, are relatively largest in the distillery and brewery industries, the manufacture of patent medicines and compounds, and the tobacco-products industry, all of which are subject to internal-revenue taxes; they are also large in the gas and the printing and publishing industries.

Expenses, by states.—Table 30 shows, for each geographic division and each state, the per cent distribution in 1909 of the total expenses reported among the principal items.

The variation among the several divisions and states in the percentage of the total expenses which is represented by each class follows closely the variation in the character of the predominating industries. Thus the percentage of expenses incurred for materials is highest and that incurred for wages lowest in the West North Central division, this condition being due to the predominating importance in those states of the flour-milling and the slaughtering industries, in which materials contribute the greater part of the value of products. The proportion of expenses incurred for materials is also high in the Mountain division, on account of the influence of the smelting and refining industries. Wages represent the highest percentage of the total expenses, 23.7, in the New England division, where the textile and other highly elaborative industries predominate.

Among the individual states the highest percentage for materials is shown for Kansas and the next highest for Nebraska, while this percentage is lowest in Florida; the highest percentages for wages are shown for Wyoming, New Mexico, and Florida, in the order named. Among the great manufacturing states of the East and North there is no very great variation in the distribution of expenses among the various items. Of the 10 most important manufacturing states, Massachusetts has the highest proportion for wages and is among the lowest for miscellaneous expenses.

The exceptionally high percentage for miscellaneous expenses in Kentucky, 25.8, is due to the importance there of the distillery industry, in the miscellaneous expenses of which are included very large sums paid as internal-revenue tax.

Table 30

DIVISION AND STATE.	PER CENT OF TOTAL EXPENSES REPORTED.				DIVISION AND STATE.	PER CENT OF TOTAL EXPENSES REPORTED.			
	Salaries.	Wages.	Materials.	Miscellaneous expenses.		Salaries.	Wages.	Materials.	Miscellaneous expenses.
<b>United States.....</b>	<b>5.1</b>	<b>18.6</b>	<b>65.8</b>	<b>10.5</b>	<b>SOUTH ATLANTIC:</b>				
GEOGRAPHIC DIVISIONS:					Delaware.....	4.9	21.9	65.9	7.2
New England.....	4.8	23.7	62.6	8.9	Maryland.....	4.8	15.9	69.6	9.7
Middle Atlantic.....	5.4	18.6	65.3	10.8	District of Columbia.....	9.0	24.4	50.0	16.6
East North Central.....	5.4	17.8	65.1	11.7	Virginia.....	4.6	19.4	64.0	11.9
West North Central.....	4.2	12.4	75.1	8.3	West Virginia.....	3.9	22.8	64.2	9.0
South Atlantic.....	4.7	20.1	61.9	10.3	North Carolina.....	3.7	18.4	65.4	12.5
East South Central.....	5.2	18.3	60.2	16.2	South Carolina.....	3.9	20.9	68.1	7.1
West South Central.....	4.5	17.4	68.1	9.9	Georgia.....	5.1	19.8	66.4	8.7
Mountain.....	3.9	17.8	71.6	6.7	Florida.....	7.8	38.4	41.3	14.5
Pacific.....	4.9	20.4	65.4	9.3					
<b>NEW ENGLAND:</b>					<b>EAST SOUTH CENTRAL:</b>				
Maine.....	3.7	24.3	62.7	9.2	Kentucky.....	4.8	13.9	55.6	25.8
New Hampshire.....	2.8	24.3	65.8	7.1	Tennessee.....	5.8	17.8	63.4	11.0
Vermont.....	4.7	28.9	58.2	8.3	Alabama.....	5.1	21.1	64.6	9.2
Massachusetts.....	4.8	22.8	62.9	9.5	Mississippi.....	5.3	27.3	53.7	13.6
Rhode Island.....	4.1	22.8	65.3	7.5					
Connecticut.....	6.0	25.6	59.8	8.6	<b>WEST SOUTH CENTRAL:</b>				
<b>MIDDLE ATLANTIC:</b>					Arkansas.....	5.3	29.5	53.9	11.3
New York.....	6.2	18.7	62.2	12.9	Louisiana.....	4.4	16.4	66.1	13.1
New Jersey.....	4.7	16.4	69.7	9.2	Oklahoma.....	4.3	15.3	72.3	8.0
Pennsylvania.....	4.7	19.3	67.2	8.8	Texas.....	4.4	15.5	72.8	7.3
<b>EAST NORTH CENTRAL:</b>					<b>MOUNTAIN:</b>				
Ohio.....	5.6	19.1	64.2	11.0	Montana.....	3.1	16.3	73.6	7.0
Indiana.....	5.0	18.2	63.7	13.1	Idaho.....	5.2	29.1	52.5	13.2
Illinois.....	5.3	15.8	67.0	12.0	Wyoming.....	5.6	37.2	46.6	10.6
Michigan.....	5.9	20.1	62.3	11.6	Colorado.....	4.9	17.4	70.2	7.5
Wisconsin.....	4.9	17.9	65.9	11.4	New Mexico.....	5.4	36.8	46.3	11.5
<b>WEST NORTH CENTRAL:</b>					Arizona.....	1.9	13.4	81.7	3.0
Minnesota.....	4.1	12.6	74.9	8.4	Utah.....	3.6	15.5	76.1	4.8
Iowa.....	4.7	13.9	73.2	8.2	Nevada.....	3.4	17.9	75.5	3.2
Missouri.....	5.6	15.5	67.9	11.1	<b>PACIFIC:</b>				
North Dakota.....	3.5	10.3	79.1	6.9	Washington.....	5.0	25.4	60.1	9.6
South Dakota.....	3.9	14.6	72.7	8.9	Oregon.....	4.9	24.2	61.6	9.3
Nebraska.....	3.0	7.6	82.3	7.1	California.....	4.8	17.7	68.3	9.2
Kansas.....	2.4	8.5	84.7	4.4					

## ENGINES AND POWER.

**Summary for United States: 1909, 1904, and 1899.**—The following table shows for all industries combined the number of engines or motors employed by manufacturing concerns and their horsepower at the censuses of 1909, 1904, and 1899. The figures for the total primary power used exclude duplications and represent the primary power of engines, water wheels, etc., owned by the manufacturing establishments

themselves plus the electric or other power rented from outside concerns. A separate presentation is made of the number and horsepower of electric motors operated by current generated within the establishments, which, of course, as it represents secondary power, is not included in the totals. This item plus the electric power rented makes up the total for electric power, which is shown separately.

Table 31

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.			PER CENT DISTRIBUTION OF HORSEPOWER.		
	1909	1904	1899	1909	1904	1899	1909	1904	1899
<b>Primary power, total.....</b>	<b>408,472</b>	<b>231,363</b>	<b>168,143</b>	<b>18,675,376</b>	<b>13,487,707</b>	<b>10,097,893</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Owned.....	209,163	169,774	168,143	16,802,706	12,854,805	9,778,418	90.0	95.3	96.8
Steam.....	153,525	127,267	130,710	14,199,339	10,825,348	8,139,579	76.0	80.3	80.6
Gas.....	34,356	21,515	14,334	51,186	289,423	134,742	4.0	2.1	1.3
Water wheels.....	20,079	19,595	23,069	1,807,439	1,641,949	1,454,112	9.7	12.2	14.4
Water motors.....	1,203	1,397	(1)	15,449	5,931	(1)	0.1	(3)	(1)
Other.....				29,293	92,154	49,985	0.2	0.7	0.5
Rented.....	199,309	61,589	(1)	1,872,670	632,902	319,475	10.0	4.7	3.2
Electric.....	199,309	61,589	(1)	1,749,031	441,589	182,562	9.4	3.3	1.8
Other.....				122,639	191,313	136,913	0.7	1.4	1.4
<b>Electric motors.....</b>	<b>382,854</b>	<b>134,708</b>	<b>16,891</b>	<b>4,817,140</b>	<b>1,592,475</b>	<b>492,936</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Run by current generated by establishment.....	189,545	73,119	16,891	3,068,109	1,150,886	310,374	63.7	72.3	63.0
Run by rented power.....	199,309	61,589	(1)	1,749,031	441,589	182,562	36.3	27.7	37.0

<sup>1</sup> Not reported.<sup>2</sup> Less than one-tenth of 1 per cent.

The total horsepower of manufacturing establishments was 18,675,376 in 1909, as compared with 13,487,707 in 1904 and 10,097,893 in 1899. In 1909, 90 per cent of the horsepower was that of engines or

motors owned by the manufacturing establishments themselves, and 10 per cent was rented power, mostly electric. Especially striking is the increase in the use of gas engines and of electric power, both that rented

from outside concerns and that generated by the manufacturing concerns themselves. The total horsepower of electric motors in 1899, including both those operated by purchased current and those operated by current generated in the establishment, was 492,936; in 1909 it was 4,817,140, or nearly ten times as great. The practice of renting electric power is rapidly becoming more common among small establishments and even among large establishments, while the large concerns more and more tend to use electric motors

for the purpose of applying the power which they themselves generate.

The amount of water power owned by manufacturing establishments shows only a comparatively moderate rate of increase during the decade, but not a little of the electric power rented by manufacturers is generated in the first instance by utilizing water power.

**Horsepower, by leading industries.**—The following table shows, for the 43 leading industries, the amount of each of the several kinds of power used in 1909:

INDUSTRY.	Total horsepower (excluding duplication).	OWNED BY ESTABLISHMENTS REPORTING—					RENTED.		ELECTRIC MOTORS.	
		Steam engines.	Gas engines.	Water wheels.	Water motors.	Other.	Electric motors.	Other.	Total. <sup>1</sup>	Run by current generated by establishment.
<b>All industries.....</b>	<b>18,675,376</b>	<b>14,199,339</b>	<b>751,156</b>	<b>1,807,439</b>	<b>15,449</b>	<b>29,293</b>	<b>1,749,031</b>	<b>123,639</b>	<b>4,817,140</b>	<b>3,068,109</b>
Agricultural implements.....	100,601	71,394	4,433	8,387	3	500	15,684	200	38,905	23,221
Automobiles, including bodies and parts.....	75,550	39,325	7,000	287	.....	.....	27,641	1,297	41,829	14,188
Boots and shoes, including cut stock and findings.....	96,302	60,772	3,532	2,798	17	.....	17,381	11,802	32,381	15,000
Brass and bronze products.....	106,120	78,101	4,890	3,370	4	.....	18,399	1,356	33,462	15,063
Bread and other bakery products.....	65,298	25,506	5,166	251	83	3	31,160	129	39,735	8,635
Butter, cheese, and condensed milk.....	101,349	90,802	3,373	1,403	62	131	5,365	212	8,276	2,910
Canning and preserving.....	81,179	70,362	4,519	364	34	30	5,469	401	8,728	3,259
Carriages and wagons and materials.....	126,032	82,911	13,120	4,604	63	17	24,969	345	39,424	14,455
Cars and general shop construction and repairs by steam-railroad companies.....	293,361	254,942	3,140	138	312	898	33,786	145	161,288	127,502
Cars, steam-railroad, not including operations of railroad companies.....	97,797	89,123	1,148	370	.....	700	6,456	.....	61,600	54,604
Chemicals.....	208,604	103,273	1,147	10,913	153	215	92,057	846	156,699	64,642
Clothing, men's, including shirts.....	42,725	16,003	5,259	1,335	45	6	18,816	1,261	22,894	9,078
Clothing, women's.....	22,294	4,112	1,953	190	16	.....	13,175	843	16,085	4,910
Confectionery.....	35,870	25,090	1,408	.....	8	12	8,007	745	16,983	8,376
Copper, tin, and sheet-iron products.....	62,366	34,650	8,572	416	4	5	17,898	821	30,771	12,873
Cotton goods, including cotton small wares.....	1,226,517	869,838	2,812	302,288	736	7,363	108,512	4,968	235,902	127,390
Electrical machinery, apparatus, and supplies.....	158,708	99,883	6,253	1,078	36	14	50,045	4,959	164,540	114,485
Flour-mills and gristmill products.....	853,584	473,363	62,681	259,138	4,993	208	49,901	3,300	67,066	17,165
Foundry and machine-shop products.....	869,305	546,206	96,966	18,241	361	2,754	192,977	11,700	629,914	430,937
Furniture and refrigerators.....	221,451	154,425	5,830	6,743	105	612	20,420	3,316	43,252	22,832
Gas, illuminating and heating.....	128,350	115,332	7,128	2,755	59	182	2,723	171	17,336	14,613
Hosiery and knit goods.....	103,709	74,560	1,235	12,015	23	200	13,286	2,390	25,485	12,199
Iron and steel, blast furnaces.....	1,173,422	1,033,033	125,330	294	15	.....	14,850	.....	135,143	120,283
Iron and steel, steel works and rolling mills.....	2,100,978	1,955,346	79,391	5,829	.....	1,500	58,797	115	716,649	637,812
Leather goods.....	28,148	10,028	1,381	1,337	36	.....	14,946	420	16,663	1,717
Leather, tanned, curried, and finished.....	148,140	131,311	7,231	1,546	10	140	6,487	1,415	35,919	29,432
Liquors, distilled.....	46,120	44,022	.....	.....	150	.....	705	66	3,786	3,678
Liquors, malt.....	347,726	330,705	1,261	116	224	1,065	14,190	165	66,519	52,329
Lumber and timber products.....	2,840,082	2,587,487	38,628	139,392	1,111	836	62,200	10,428	130,707	68,507
Marble and stone work.....	187,685	132,236	10,874	9,451	167	241	32,062	2,655	53,748	21,696
Oil, cottonseed, and cake.....	192,342	183,440	1,674	125	50	189	6,394	470	10,855	4,461
Paint and varnish.....	56,162	42,166	3,290	2,064	2	25	7,814	861	17,037	9,223
Paper and wood pulp.....	1,304,265	469,089	6,675	785,961	2,185	275	38,610	1,450	130,120	91,510
Patent medicines and compounds and druggists' preparations.....	25,659	15,308	1,712	250	14	121	6,882	742	11,175	4,235
Petroleum, refining.....	90,268	83,707	5,870	.....	.....	378	28	285	8,808	8,780
Printing and publishing.....	297,763	56,240	32,152	606	1,720	94	197,692	6,265	229,312	31,620
Silk and silk goods, including throwsters.....	97,947	72,039	1,277	8,383	.....	.....	10,354	5,874	25,738	13,404
Slaughtering and meat packing.....	268,707	190,636	2,308	30	16	30	15,047	740	78,677	63,630
Smelting and refining, copper.....	158,126	114,862	1,107	12,725	.....	19	29,413	.....	55,229	25,816
Smelting and refining, lead.....	26,964	23,090	35	.....	.....	.....	3,829	.....	12,166	8,337
Sugar and molasses, not including beet sugar.....	160,603	158,682	395	.....	.....	210	1,316	.....	18,730	17,414
Tobacco manufactures.....	28,514	21,929	795	243	2	7	5,367	171	11,203	5,836
Woolen, worsted, and felt goods, and wool hats.....	362,209	261,394	2,677	78,909	341	.....	13,783	5,735	79,223	65,140
All other industries.....	3,646,423	2,568,395	172,552	122,808	2,479	10,163	431,534	38,552	1,086,678	654,144

<sup>1</sup> Includes the horsepower of motors run by rented current and also of those run by current generated by the establishment.

This table shows very wide differences among the industries with respect to the relative importance of the several kinds of power. These differences are due partly to differences in the geographic location of the industries, which affect the character of power available, and partly to differences in the character of machinery used, which affect the adaptability of the different kinds of power.

The power developed by the use of gas engines represents a larger proportion of the total power employed in establishments engaged in the manu-

facture of carriages and wagons, flour mills and grist-mills, foundries and machine shops, blast furnaces, steel works and rolling mills, lumber mills, and printing and publishing establishments than in any of the other industries listed. The largest absolute amount of power derived from gas engines is reported for the blast furnaces, and the next largest for the foundries and machine shops.

A very large proportion of the total power derived from water wheels is used in four industries, namely, the manufacture of cotton goods, flour mills and grist-

mills, the lumber and timber products industry, and the manufacture of paper and wood pulp. In the last-mentioned industry the horsepower developed by water wheels amounts to 785,961, about 60 per cent of the total power used in that industry.

The extent to which electric motors are utilized in applying the power employed varies considerably in the different industries. In a considerable number of industries the electric power, including that generated by the manufacturing establishments themselves and that rented from other concerns, is equal to more than one-half of the total primary power. These industries are the manufacture of automobiles, bread and other bakery products, the construction of steam-railroad cars, the repair shops of steam-railroad companies, the chemical industry, the making of men's and of women's clothing, the manufacture of electrical machinery, apparatus, and supplies, the foundry and machine-shop industry, the manufacture of leather goods, and the printing and publishing industry. In the electrical-machinery industry the horsepower of electric motors installed is greater than the total primary power; this may be accounted for by reason of the provision of motors for the operation of machinery which is not in constant use. The largest absolute amount of electric power is reported by the steel works and rolling mills, and the next largest, by the foundries and machine shops. In the former the electric power is equal to a little over one-third of the total amount of primary power and in the latter to nearly three-fourths.

**Horsepower, by states: 1909.**—Table 33 shows, by states grouped according to geographic divisions, the amount of each of the several kinds of power used in manufacturing industries in 1909.

The rank of the states with respect to the amount of power used in manufacturing industries is somewhat different from that with respect to value of products and other leading items in the statistics of manufactures. Although New York ranks first among the states in most of the leading items, Pennsylvania outranks it in respect to the amount of power used in manufacturing industries. New York stands second, Ohio third, Massachusetts fourth, and Illinois fifth. The relative total amount of power used is largely dependent upon the character of the industries predominant in each division or state. The relative extent to which the different kinds of power are used in the several divisions and states is also dependent in part upon the character of the industries and in part upon the situation of each state with reference to supplies of coal, petroleum, and gas, and with reference to the availability of water power.

In every division—in fact in every state, except Maine and Vermont—steam engines are the most important source of power. The proportion which power generated by gas engines represents of the total power

is larger in the East North Central division than in any other division, partly on account of the proximity of gas wells. The Middle Atlantic states rank next in the proportion of the total power which is developed by gas engines. With respect to power obtained from water wheels owned by the manufacturing establishments, New England ranks far ahead of the other divisions both in the absolute amount of power and in the proportion which water power represents of the total. More than two-fifths of the total power derived from water wheels owned by manufacturing establishments is found in New England, and more than one-fourth of the total power utilized by the factories of New England is derived from water wheels. The Middle Atlantic division ranks next in this respect. The largest absolute amounts of power utilized by means of electric motors (including both those operated by purchased current and those operated by current generated in the establishment) are reported from the Middle Atlantic division, the East North Central division, and New England, in the order named, and in these three divisions also the proportion which electric power represents of the total is unusually large, no very great difference appearing among the three divisions in this respect. The proportion of electric power is also high in the Mountain, Pacific, and West North Central divisions.

The individual states which lead in the use of gas engines to develop power are Pennsylvania, Indiana, Ohio, New York, Illinois, Kansas, and New Jersey, in the order named. The absolute amount of power of this character is greatest in Pennsylvania, and the proportion which such power represents of the total power used is greatest in Indiana. The power derived from water wheels owned by manufacturing establishments is greater in New York than in any other state, but the proportion which such power represents of the total power is greatest in Maine. Other leading states in respect to the absolute amount of such water power are Massachusetts, Wisconsin, New Hampshire, Vermont, Connecticut, Minnesota, Pennsylvania, Oregon, Virginia, North Carolina, and Michigan; the leading states in respect to the proportion which it represents of the total power are Vermont, New Hampshire, Oregon, Wisconsin, New York, Minnesota, Connecticut, Massachusetts, Virginia, and Montana.

In the absolute amount of electric power utilized for manufacturing, Pennsylvania leads and is followed by New York, Ohio, Massachusetts, Illinois, Indiana, and New Jersey, in the order named. With respect to the proportion which electric power represents of the total Nevada ranks first, and is followed by California, Utah, Illinois, New York, Montana, Arizona, Indiana, and Massachusetts in the order named. In Nevada the power of electric motors forms 54.1 per cent and in California 40.3 per cent of the total power reported for these states.

Table 33

DIVISION AND STATE.	Total horse-power (excluding duplication).	OWNED BY ESTABLISHMENTS REPORTING—					RENTED.		ELECTRIC MOTORS.	
		Steam engines.	Gas engines.	Water wheels.	Water motors.	Other.	Electric motors.	Other.	Total. <sup>1</sup>	Run by current generated by establishment.
United States.....	18,675,376	14,199,339	751,186	1,807,439	15,449	29,293	1,749,031	123,639	4,817,140	3,068,109
GEOGRAPHIC DIVISIONS:										
New England.....	2,715,121	1,656,911	41,801	733,920	3,412	2,055	218,642	38,380	663,143	444,501
Middle Atlantic.....	5,551,502	4,151,662	274,274	466,541	3,947	11,736	568,723	54,619	1,737,236	1,168,513
East North Central.....	4,382,670	3,491,418	283,450	206,393	2,048	4,766	375,876	18,119	1,297,447	921,571
West North Central.....	1,101,990	838,988	57,434	82,791	3,539	939	115,002	3,297	266,534	151,532
South Atlantic.....	1,832,061	1,431,423	36,441	182,076	1,082	5,321	171,146	4,512	343,393	172,247
East South Central.....	1,036,590	853,511	12,270	29,040	275	1,600	38,580	1,194	108,409	69,829
West South Central.....	873,350	805,640	29,291	3,060	48	2,513	31,807	991	78,893	47,086
Mountain.....	400,766	306,786	4,188	21,345	198	224	66,956	1,069	113,984	47,028
Pacific.....	802,016	563,000	12,037	62,273	900	49	162,299	1,458	208,101	45,802
NEW ENGLAND:										
Maine.....	459,559	168,595	3,933	256,480	1,912	179	27,203	1,297	54,266	27,063
New Hampshire.....	293,991	139,128	1,238	127,490	521	30	21,209	4,375	45,351	24,142
Vermont.....	159,445	64,252	2,160	78,881	181	415	12,917	639	21,233	8,816
Massachusetts.....	1,175,071	834,701	18,326	185,996	520	805	109,996	24,437	402,492	292,496
Rhode Island.....	226,740	175,293	3,300	31,376	41	39	13,697	2,994	42,130	28,433
Connecticut.....	400,275	274,942	12,844	73,097	237	497	33,620	4,438	97,671	64,051
MIDDLE ATLANTIC:										
New York.....	1,997,662	1,080,877	99,899	394,221	1,397	3,583	389,945	27,740	689,976	300,031
New Jersey.....	612,293	529,668	20,867	18,558	1,118	180	33,157	8,745	182,475	149,318
Pennsylvania.....	2,921,547	2,541,117	153,508	53,762	1,432	7,973	145,021	18,134	864,785	719,164
EAST NORTH CENTRAL:										
Ohio.....	1,583,155	1,362,134	103,801	15,777	330	1,586	93,592	5,935	417,844	324,232
Indiana.....	633,377	448,528	109,105	7,446	599	65,548	1,704	233,193	167,645	167,645
Illinois.....	1,013,071	838,199	37,025	12,178	513	1,433	117,007	6,716	398,621	281,614
Michigan.....	598,288	465,520	13,988	41,442	577	16	74,270	2,475	133,064	58,794
Wisconsin.....	554,179	377,037	19,531	129,550	181	1,432	25,459	1,289	114,725	89,266
WEST NORTH CENTRAL:										
Minnesota.....	207,670	199,777	7,174	56,631	2,939	25	30,297	827	52,212	21,915
Iowa.....	155,384	121,882	8,025	6,326	85	147	18,463	456	40,736	22,273
Missouri.....	304,467	280,489	11,159	3,532	206	5	44,056	1,020	106,941	62,885
North Dakota.....	13,196	10,170	1,304	530	.....	.....	1,164	28	1,698	534
South Dakota.....	17,666	12,257	2,784	927	12	.....	1,683	3	2,084	401
Nebraska.....	64,466	44,806	4,408	7,361	75	76	7,530	210	15,942	8,412
Kansas.....	213,141	169,607	22,590	7,434	222	686	11,809	753	46,921	35,112
SOUTH ATLANTIC:										
Delaware.....	52,779	42,266	766	5,183	12	.....	4,502	50	17,910	13,408
Maryland.....	218,244	181,326	5,736	11,953	121	1,069	17,108	931	44,921	27,813
District of Columbia.....	16,563	12,169	1,073	775	.....	43	2,433	70	4,527	2,094
Virginia.....	283,928	221,303	3,664	45,122	33	38	13,356	412	42,043	28,687
West Virginia.....	217,496	184,591	16,705	10,546	71	.....	5,330	253	28,543	23,213
North Carolina.....	378,556	271,944	2,356	41,619	307	1,035	60,044	1,251	86,002	25,958
South Carolina.....	276,378	193,052	1,264	38,422	75	2,400	41,130	35	67,620	26,490
Georgia.....	298,241	240,364	3,380	28,288	460	536	23,890	1,423	44,264	20,374
Florida.....	89,816	84,508	1,497	168	3	200	3,353	87	7,563	4,210
EAST SOUTH CENTRAL:										
Kentucky.....	230,224	207,591	4,724	5,320	57	915	11,314	303	31,268	19,954
Tennessee.....	242,277	215,338	1,833	9,670	107	4	14,666	639	29,586	14,920
Alabama.....	337,837	328,275	4,616	13,812	111	732	10,104	187	39,928	29,824
Mississippi.....	206,222	202,307	1,077	238	.....	39	2,496	65	7,627	5,131
WEST SOUTH CENTRAL:										
Arkansas.....	173,088	168,152	1,374	639	35	52	2,581	255	7,417	4,836
Louisiana.....	346,652	331,370	3,496	65	10	2,401	9,077	233	27,139	18,062
Oklahoma.....	71,139	56,643	8,676	470	2	.....	5,281	67	7,887	2,606
Texas.....	282,471	249,475	15,745	1,886	1	60	14,868	436	36,450	21,582
MOUNTAIN:										
Montana.....	90,402	49,654	223	13,583	63	.....	26,504	375	27,301	797
Idaho.....	42,804	35,529	242	2,403	4	.....	4,606	20	8,409	3,803
Wyoming.....	7,628	6,467	182	456	9	.....	514	.....	801	287
Colorado.....	154,615	135,645	1,464	1,377	49	105	15,874	101	35,944	20,070
New Mexico.....	15,465	11,781	365	74	.....	.....	3,245	.....	4,586	1,341
Arizona.....	39,140	34,193	1,285	129	.....	19	3,314	200	15,100	11,786
Utah.....	42,947	28,984	226	2,926	71	100	10,592	48	15,402	4,810
Nevada.....	7,765	4,533	201	397	2	.....	2,307	325	6,441	4,134
PACIFIC:										
Washington.....	297,897	257,230	1,494	7,842	223	19	30,951	138	43,615	12,064
Oregon.....	175,019	112,244	428	47,041	397	.....	14,811	98	20,802	5,991
California.....	329,100	193,526	10,115	7,390	280	30	116,537	1,222	143,684	27,147

<sup>1</sup> Includes the horsepower of motors run by rented current and also of those run by current generated by the establishment.

## SUPPLEMENTARY DATA REGARDING IMPORTANT INDUSTRIES.

(With statistics for laundries and custom sawmills and gristmills.)

For certain industries the Census Bureau collects, by means of special schedules, details regarding the quantity and value of materials and products and other information for securing which no provision is made on the general schedule. Data of this character are here presented for a number of important industries. As far as possible the statistics are grouped according to the character of the finished products. The statistics in each table relate to the United States as a whole, not including Alaska, Hawaii, Porto Rico, or other outlying possessions.

## FOOD AND KINDRED PRODUCTS.

**Butter, cheese, and condensed milk.**—The following table presents statistics for the butter, cheese, and condensed-milk industry. The figures cover only the manufacture of the factory products. The statistics for this class of products made on farms are not avail-

able for 1909; in 1899, however, 1,071,626,056 pounds of butter and 16,372,318 pounds of cheese were made on farms, of which 518,042,767 pounds of butter and 14,692,542 pounds of cheese were sold.

The value of the factory products of this industry more than doubled during the period 1899-1909. Condensed milk, for which the ratio of increase was highest, nearly trebled in value, while butter more than doubled. Since 1899 the increase in prices has been quite pronounced in this industry, as shown by the fact that the butter product increased 113.5 per cent in value and only 48.7 per cent in quantity, and the output of cheese 63 per cent in value and only 10.3 per cent in quantity. As shown by the note to the table, considerable quantities of butter, cheese, and condensed milk were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

Table 34	1909	1904	1899		1909	1904	1899
MATERIALS.				PRODUCTS—continue-1.			
Total cost.....	\$235,546,064	\$142,920,277	\$108,841,200	Cheese—Continued.			
Milk:				Skimmed—			
Pounds.....	9,888,727,303	12,147,304,550	11,678,082,821	Pounds.....	7,770,812	3,459,582	(1)
Cost.....	\$118,675,613	\$99,729,745	\$91,256,436	Value.....	\$429,519	\$148,568	(1)
Cream:				Other kinds—			
Pounds.....	1,406,143,908	588,186,471	203,673,958	Pounds.....	5,441,730	74,032,656	56,196,219
Cost.....	\$95,025,507	\$28,371,040	\$8,154,008	Value.....	\$805,332	\$6,438,339	\$5,156,352
Skimmed milk:				Condensed milk:			
Pounds.....	56,974,760	36,071,335	(1)	Pounds.....	494,796,544	308,485,182	186,921,787
Cost.....	\$110,469	\$39,398	(1)	Value.....	\$33,563,129	\$20,149,282	\$11,888,792
Sugar:				Sweetened—			
Pounds.....	78,457,978	67,810,031	50,873,859	Pounds.....	214,518,310	198,355,189	(1)
Cost.....	\$3,674,174	\$3,315,892	\$2,589,687	Value.....	\$17,345,278	\$13,478,376	(1)
All other materials.....	\$18,060,301	\$11,444,202	\$6,841,009	Unsweetened—			
				Pounds.....	280,278,234	110,129,993	(1)
PRODUCTS.				Value.....	\$16,217,851	\$6,670,906	(1)
Total value.....	\$274,557,718	\$168,182,789	\$130,783,349	Cream sold:			
Butter:				Pounds.....	\$1,211,374	28,131,914	61,764,552
Pounds.....	624,764,653	531,478,141	420,126,546	Value.....	\$9,828,972	\$2,364,407	\$1,453,444
Value.....	\$179,510,619	\$113,189,453	\$84,079,754	Skimmed milk sold:			
Packed solid—				Pounds.....	352,594,574	1,161,414,457	2,253,494,156
Pounds.....	410,692,616	364,432,996	328,956,590	Value.....	\$629,135	\$1,368,738	\$2,531,460
Value.....	\$115,098,056	\$74,483,306	\$63,961,893	Casein dried from skimmed milk:			
Prints and rolls—				Pounds.....	13,018,298	11,581,874	12,298,405
Pounds.....	214,072,037	167,045,145	91,169,956	Value.....	\$795,544	\$554,099	\$383,581
Value.....	\$64,412,563	\$38,706,147	\$30,117,861	All other products.....			
Cheese:					\$6,990,395	\$1,945,050	\$944,489
Pounds.....	311,126,317	317,144,872	281,972,324	EQUIPMENT.			
Value.....	\$43,339,924	\$28,611,700	\$26,519,829	Cream separators, number.....			
Full cream—				5,624	8,842	9,701	
Pounds.....	287,110,383						
Value.....	\$40,917,073						
Part cream—							
Pounds.....	10,803,392	239,632,634	225,776,105				
Value.....	\$1,188,000	\$22,024,853	\$21,363,477				

<sup>1</sup> Not reported separately.

<sup>2</sup> In addition, 2,381,212 pounds of butter, to the value of \$664,171; 49,413 pounds of part cream cheese, to the value of \$5,745; 401,300 pounds of condensed milk, to the value of \$24,078; and other dairy products to the value of \$25,388 were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>3</sup> In addition, 1,971,120 pounds of butter, to the value of \$448,729, and other dairy products to the value of \$71,588 were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

**Canning and preserving.**—Table 35 includes statistics for establishments engaged in the various branches of the canning industry and also for those manufacturing pickles, preserves, and sauces. The table does not include meats and other products canned in slaughtering and meat-packing establishments (see Table 38).

The total value of all classes of products of canning and preserving establishments in 1909 was \$157,101,201 and in 1899, \$99,335,464, the increase for the decade being 58.2 per cent.

Of the two groups of products listed separately in the table, fruits and vegetables show the largest ratio of increase in value from 1899 to 1909, 88.3

per cent. Fish and oysters show an increase of 47 per cent.

The statistics for dried fruits cover the product of fruit drying and packing establishments which buy the fruit or do drying and packing for others, and of cooperative associations, but do not include fruits dried by the grower on the farm. The bulk of the product is from California, the value of the factory dried-fruit product of that state in 1909 being \$16,137,716, or 81.3 per cent of the total value of this class of products.

Table 35	PRODUCT.	1909	1904	1899
	<b>Total value.....</b>	<b>\$157,101,201</b>	<b>\$130,465,976</b>	<b>\$98,335,464</b>
	<i>Fruits and vegetables.</i>			
	<b>Value.....</b>	<b>\$84,347,783</b>	<b>\$72,998,756</b>	<b>\$44,802,665</b>
	<i>Canned vegetables:</i>			
	Cases.....	32,752,469	29,579,616	19,323,750
	Value.....	\$51,568,914	\$45,610,993	\$28,731,598
	<i>Tomatoes—</i>			
	Cases.....	12,909,956	9,411,084	8,700,538
	Value.....	\$18,747,941	\$14,020,846	\$13,666,560
	<i>Corn—</i>			
	Cases.....	7,451,265	11,209,597	6,336,984
	Value.....	\$10,332,136	\$15,952,356	\$8,191,383
	<i>Peas—</i>			
	Cases.....	5,901,703	4,694,492	2,543,722
	Value.....	\$10,247,363	\$7,928,791	\$4,465,673
	<i>Beans—</i>			
	Cases.....	3,392,864	2,588,015	1,493,517
	Value.....	\$6,015,098	\$4,133,810	\$2,025,133
	<i>Asparagus—</i>			
	Cases.....	228,550	(*)	(*)
	Value.....	\$1,975,775	(*)	(*)
	<i>Pumpkins—</i>			
	Cases.....	440,303	246,557	128,078
	Value.....	\$576,043	\$346,497	\$202,404
	<i>Sweet potatoes—</i>			
	Cases.....	347,286	192,997	83,526
	Value.....	\$531,651	\$284,355	\$124,245
	<i>All other—</i>			
	Cases.....	2,080,503	1,236,874	27,365
	Value.....	\$3,144,907	\$2,944,278	\$59,210
	<i>Canned fruits:</i>			
	Cases.....	5,501,404	4,628,241	4,467,817
	Value.....	\$12,938,474	\$11,722,759	\$11,311,062
	<i>Peaches—</i>			
	Cases.....	1,467,213	1,304,867	1,449,356
	Value.....	\$3,753,098	\$3,902,441	\$4,283,165
	<i>Apples—</i>			
	Cases.....	1,296,724	490,341	645,762
	Value.....	\$1,898,720	\$738,013	\$1,125,119
	<i>Apricots—</i>			
	Cases.....	630,185	539,485	531,648
	Value.....	\$1,825,311	\$1,641,919	\$1,580,252
	<i>Pears—</i>			
	Cases.....	637,782	789,120	672,485
	Value.....	\$1,833,214	\$2,192,910	\$2,188,201
	<i>Berries—</i>			
	Cases.....	815,851	489,637	600,419
	Value.....	\$1,754,927	\$1,058,659	\$1,092,975
	<i>Cherries—</i>			
	Cases.....	390,354	319,350	114,367
	Value.....	\$1,019,013	\$825,522	\$307,788
	<i>All other—</i>			
	Cases.....	354,280	695,111	453,780
	Value.....	\$853,591	\$1,393,515	\$730,562
	<i>Dried fruits:</i>			
	Pounds.....	400,328,767	343,579,623	85,439,406
	Value.....	\$19,810,395	\$15,664,784	\$1,757,005
	<i>Raisins—</i>			
	Pounds.....	111,774,767	121,409,851	11,984,221
	Value.....	\$4,837,933	\$6,349,381	\$1,062,268
	<i>Prunes—</i>			
	Pounds.....	138,498,490	117,808,181	25,413,763
	Value.....	\$5,130,412	\$3,269,628	\$970,927
	<i>Apples—</i>			
	Pounds.....	44,588,214	40,737,669	33,212,309
	Value.....	\$5,098,095	\$1,758,619	\$1,906,642
	<i>Peaches—</i>			
	Pounds.....	46,843,591	25,861,074	5,662,390
	Value.....	\$2,423,093	\$1,702,205	\$312,495
	<i>Apricots—</i>			
	Pounds.....	29,205,509	19,559,573	5,465,217
	Value.....	\$2,277,177	\$1,410,858	\$455,394
	<i>All other—</i>			
	Pounds.....	29,438,306	18,203,825	701,509
	Value.....	\$2,073,695	\$1,144,122	\$49,276

Table 35— CONT'D.	PRODUCT.	1909	1904	1899
	<i>Fish and oysters.</i>			
	<b>Value.....</b>	<b>\$27,648,289</b>	<b>\$22,194,635</b>	<b>\$18,807,542</b>
	<i>Canned fish and oysters:</i>			
	Pounds.....	235,418,713	207,077,976	
	Value.....	\$17,573,311	\$13,531,786	\$12,868,572
	<i>Salmon—</i>			
	Pounds.....	99,831,528	48,128,926	62,652,792
	Value.....	\$8,723,565	\$5,211,387	\$5,679,324
	<i>Sardines—</i>			
	Pounds.....	90,694,284	87,224,524	44,951,244
	Value.....	\$4,931,831	\$4,380,498	\$4,212,351
	<i>Oysters—</i>			
	Pounds.....	28,192,392	59,249,043	(*)
	Value.....	\$2,443,101	\$3,799,412	\$2,054,800
	<i>All other—</i>			
	Pounds.....	16,700,509	12,475,483	9,625,825
	Value.....	\$1,474,814	\$1,100,489	\$922,097
	<i>Smoked fish:</i>			
	Pounds.....	39,814,989	36,617,904	21,108,066
	Value.....	\$2,900,417	\$2,528,240	\$957,741
	<i>Herring—</i>			
	Pounds.....	21,369,856	19,737,537	12,576,429
	Value.....	\$931,611	\$631,352	\$330,590
	<i>Salmon—</i>			
	Pounds.....	6,826,099	6,833,560	1,975,647
	Value.....	\$959,540	\$831,184	\$136,531
	<i>Finnan haddie—</i>			
	Pounds.....	4,513,222	3,014,160	1,360,500
	Value.....	\$304,620	\$174,234	\$75,560
	<i>All other—</i>			
	Pounds.....	7,095,812	7,032,647	5,195,490
	Value.....	\$713,646	\$591,470	\$415,460
	<i>Salted fish:</i>			
	Pounds.....	128,539,299	114,728,665	117,780,031
	Value.....	\$7,174,561	\$6,134,609	\$4,981,229
	<i>Cod—</i>			
	Pounds.....	49,494,338	48,757,819	64,731,210
	Value.....	\$3,077,612	\$3,013,320	\$3,081,045
	<i>Mackerel—</i>			
	Pounds.....	9,045,469	8,326,566	10,458,313
	Value.....	\$749,513	\$678,326	\$662,008
	<i>Herring—</i>			
	Pounds.....	21,718,467	15,824,192	13,933,426
	Value.....	\$461,227	\$409,223	\$332,220
	<i>Haddock—</i>			
	Pounds.....	7,873,156	4,737,975	6,927,919
	Value.....	\$319,248	\$213,394	\$197,360
	<i>All other—</i>			
	Pounds.....	40,407,869	34,082,113	21,729,163
	Value.....	\$2,575,901	\$1,820,346	\$708,596
	<i>All other products, including pickles, preserves, and sauces.</i>			
	<b>Value.....</b>	<b>\$45,105,129</b>	<b>\$35,272,585</b>	<b>\$35,725,257</b>

\* In addition, products to the value of \$5,423,199 were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation, as follows:

	Number.	Value.
<b>Total.....</b>	<b>.....</b>	<b>\$5,423,199</b>
Canned vegetables.....cases..	769,017	1,714,909
Canned fruits.....cases.....	27,474	76,964
Dried fruits.....pounds.....	1,007,033	53,159
Canned fish.....pounds.....	531,054	19,649
Smoked fish.....pounds.....	924,785	38,841
Salted fish.....pounds.....	4,630,322	143,540
Pickles, preserves, and sauces.....		3,376,137

\* In addition, 140,263 cases of fruits and vegetables, to the value of \$288,138; 1,847,625 pounds of fish, to the value of \$274,403; and oysters, to the value of \$12,000, were canned and preserved by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

\* Not reported separately.

\* Not reported.

**Flour-mill and gristmill products.**—Table 36 presents statistics for flour-mills and gristmills, but does not include data for establishments engaged exclusively in custom grinding (see table on p. 513). The total quantity of all kinds of grain milled in 1909 was 806,247,961 bushels, as compared with 729,061,820 bushels in 1899, an increase of 10.6 per cent. The largest increases were in wheat and corn,



the former showing a gain of about 25,000,000 bushels and the latter a gain of about 29,000,000 bushels.

The increase in the value of all products of flour mills and gristmills for the period 1899-1909 was 76.2 per cent. This gain was due mainly to advances in price, for the increases in quantity were relatively much smaller. The value of the wheat flour produced increased 64.7 per cent, but its quantity only 6 per cent, while the production of rye flour increased 54 per cent in value and only 6.2 per cent in quantity. The figures in the table indicate that higher unit values prevailed for all classes of products during 1909 than during the two prior census years. For the decade as a whole the percentage of increase in cost of materials, which constitutes by far the greater part of the value of products, was, however, even higher than that in value of products.

Table 36	1909	1901	1899
<b>MATERIALS.</b>			
<b>Total cost.....</b>	<b>\$767,576,479</b>	<b>\$619,971,161</b>	<b>\$428,116,757</b>
Grain ground or milled, bushels.....	896,247,961	754,945,729	729,061,820
Wheat.....	496,480,314	494,005,083	471,306,986
Corn.....	209,281,237	178,217,321	180,573,076
Rye.....	11,503,969	11,480,570	10,088,381
Buckwheat.....	7,156,062	6,531,308	5,490,150
Barley.....	24,509,770	18,628,552	10,067,248
Oats.....	50,241,598	45,381,009	47,175,766
Other.....	7,075,011	612,089	4,360,107
<b>PRODUCTS.</b>			
<b>Total value.....</b>	<b>\$883,584,405</b>	<b>\$713,033,395</b>	<b>\$501,396,304</b>
Wheat flour:			
Barrels.....	105,756,645	104,013,278	99,763,777
Value.....	\$550,116,254	\$480,258,514	\$333,997,689
White:			( <sup>c</sup> )
Barrels.....	105,321,969	103,608,350	( <sup>c</sup> )
Value.....	\$548,017,654	\$478,484,601	( <sup>c</sup> )
Graham:			
Barrels.....	434,676	404,928	( <sup>c</sup> )
Value.....	\$2,998,900	\$1,773,915	( <sup>c</sup> )
Rye flour:			
Barrels.....	1,532,139	1,503,100	1,443,339
Value.....	\$6,383,538	\$5,892,108	\$4,145,565
Buckwheat flour:			
Pounds.....	176,081,891	175,354,062	143,190,724
Value.....	\$4,063,561	\$4,379,359	\$3,190,152
Barley meal:			
Pounds.....	28,559,952	68,508,655	91,275,646
Value.....	\$486,000	\$222,884	\$963,710
Corn meal and corn flour:			
Barrels.....	21,592,737	23,624,693	27,838,811
Value.....	\$69,941,065	\$56,368,550	\$52,107,739
Hominy and grits:			
Pounds.....	827,987,702	756,861,398	291,726,145
Value.....	\$12,509,493	\$8,455,420	\$2,567,094
Feeds:			
Tons (2,000 pounds).....	5,132,369	3,456,786	3,993,080
Value.....	\$140,541,915	\$76,096,127	\$63,011,421
Offal:			
Tons (2,000 pounds).....	4,104,042	4,468,626	3,164,408
Value.....	\$89,814,427	\$76,105,532	\$36,679,195
All other cereal products— <sup>a</sup> breakfast foods, <sup>a</sup> oatmeal, rolled oats, etc.....	\$4,720,106	( <sup>c</sup> )	( <sup>c</sup> )
All other products.....	\$7,408,016	\$4,554,805	\$4,673,751

<sup>1</sup> In addition, merchant-ground products, valued at \$1,637,228, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation. The items covered by this amount were wheat flour, 105,477 barrels, valued at \$914,932; corn meal, 32,804 barrels, valued at \$87,597; rye flour, 2,620 barrels, valued at \$12,330; feed, 33,765 tons, valued at \$907,165; and offal, 627 tons, valued at \$15,274; and in addition, "breakfast foods," to the value of \$36,978,613, were made by establishments engaged primarily in the manufacture of food preparations. See note to table on page 513, for custom ground by-products.

<sup>2</sup> In addition, "breakfast foods," to the value of \$23,904,952, were made by establishments engaged primarily in the manufacture of food preparations.

<sup>3</sup> Not reported separately.

**Rice, cleaning and polishing.**—The following table presenting statistics for the cleaning and polishing of

rice includes the quantity of rice milled, whether on a custom or exchange basis or in merchant mills. In 1909 there were 974,747,475 pounds of rice treated, as compared with 398,602,018 pounds in 1899, an increase of 144.5 per cent. The amount for 1909, however, was a little less than that for 1904. In 1909 there were only 3,873,735 pounds of foreign rough rice treated, as against 39,414,459 pounds in 1899. Attention is called to the fact that in 1909 whole rice formed 76.3 per cent of the total quantity of cleaned rice and broken rice 23.7 per cent, whereas in 1904 whole rice formed 65.9 per cent and broken rice 34.1 per cent of the cleaned-rice product.

Table 37	1909	1904	1899
<b>MATERIALS.</b>			
<b>Rough rice milled, pounds.....</b>	<b>974,747,475</b>	<b>939,727,650</b>	<b>398,602,018</b>
Domestic.....	970,873,740	930,473,625	359,187,559
Foreign.....	3,873,735	9,254,025	39,414,459
<b>PRODUCTS.</b>			
<b>Total value.....</b>	<b>\$22,371,457</b>	<b>\$16,296,916</b>	<b>\$8,723,726</b>
Clean rice:			
Pounds.....	626,089,449	623,990,245	243,031,200
Value.....	\$20,685,982	\$15,557,133	( <sup>c</sup> )
Whole:			
Pounds.....	477,593,094	411,208,943	( <sup>c</sup> )
Value.....	\$17,398,736	\$12,077,124	( <sup>c</sup> )
Broken—			
Pounds.....	148,500,455	212,691,302	( <sup>c</sup> )
Value.....	\$3,287,246	\$4,280,609	( <sup>c</sup> )
Polish:			
Pounds.....	29,521,831	33,290,331	15,124,648
Value.....	\$362,032	\$367,647	( <sup>c</sup> )
Grain:			
Pounds.....	91,268,529	120,694,130	69,265,012
Value.....	\$736,215	\$501,193	( <sup>c</sup> )
Hulls and waste.....	\$166,147	\$116,300	( <sup>c</sup> )
All other products.....	\$421,061	\$54,583	( <sup>c</sup> )

<sup>1</sup> In addition, 43,150 pounds of clean rice, valued at \$1,449, were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>2</sup> Not reported separately.

**Slaughtering and meat packing.**—Table 38 presents statistics for the wholesale slaughtering and meat-packing industry. It includes the manufacture of sausage when done in connection with slaughtering or meat packing or when carried on in independent establishments, but it does not include the rendering of lard in independent establishments or the operations of retail butchers. The cost of all materials reported for the industry was \$1,202,827,784 in 1909 and \$685,310,099 in 1899, an increase of 75.5 per cent. The total value of products increased from \$788,367,647 in 1899 to \$1,370,568,101 in 1909, or 73.8 per cent.

A portion of the dressed meat reported as material was obtained from slaughtering establishments included in the tabulation, and therefore is duplicated in the total value of products.

On account of the higher prices in 1909, the percentages of increase in value from 1899 to 1909 for the different kinds of products are somewhat greater than the percentages of increase in quantity. This is

especially marked in the case of pork, which shows an increase of only 16,421,398 pounds, or less than 1 per cent, from 1899 to 1909, while the value of the product

increased \$166,376,042, or 51.9 per cent. The quantity of lard increased 223,785,765 pounds, or 21.9 per cent, while its value increased \$73,256,353, or 119.8 per cent.

Table 38	1909	1904	1899		1909	1904	1899
<b>MATERIALS.</b>				<b>PRODUCTS—continued.</b>			
Total cost.....	\$1,202,827,784	\$811,425,562	\$685,310,099	Pork <sup>1</sup> —Continued.			
Animals slaughtered.....	\$960,725,581	\$675,893,676	\$570,183,432	Salted—			
Beefes—				Pounds.....	952,130,557	1,558,886,256	1,371,384,591
Number.....	8,114,860	7,147,835	5,525,824	Value.....	\$35,959,048	\$116,626,710	\$88,363,629
Cost.....	\$392,127,010	\$289,040,930	\$247,146,262	Hams—			
Weight, pounds—				Pounds.....	789,861,744		
On the hoof.....	8,265,991,836	7,485,407,944	5,908,565,706	Value.....	\$101,089,390		
Dressed.....	4,409,718,922	4,066,294,577	3,222,733,617	Shoulders—			
Calves—				Pounds.....	346,294,769	1,364,015,706	1,767,313,787
Number.....	2,504,728	1,568,130	883,857	Value.....	\$32,225,458	\$132,210,611	\$148,171,166
Cost.....	\$25,030,014	\$12,665,557	\$7,252,545	Bacon and sides—			
Weight, pounds—				Pounds.....	741,345,933		
On the hoof.....	419,604,089	261,683,572	124,354,340	Value.....	\$97,856,403		
Dressed.....	262,315,076	161,049,551	79,498,483	Sausage, fresh or cured			
Sheep—				Pounds.....	\$58,564,582	\$33,179,235	\$25,982,709
Number.....	12,255,301	10,875,339	9,110,172	All other fresh meat:			
Cost.....	\$59,524,931	\$44,559,804	\$36,839,832	Pounds.....	227,899,083	124,307,681	80,387,411
Weight, pounds—				Value.....	\$16,392,768	\$9,579,718	\$7,810,553
On the hoof.....	987,566,521	930,168,367	764,269,802	Canned goods:			
Dressed.....	496,640,869	464,872,621	389,132,646	Pounds.....	121,376,837		112,443,021
Hogs—				Value.....	\$15,345,545	(1)	\$9,166,931
Number.....	33,870,616	30,977,639	30,595,522	Lard:			
Cost.....	\$483,383,848	\$329,765,480	\$278,370,494	Pounds.....	1,243,567,604	1,169,086,400	1,019,781,839
Weight, pounds—				Value.....	\$134,396,587	\$82,540,904	\$61,140,234
On the hoof.....	6,856,832,477	6,586,340,782	6,676,709,331	Tallow or oleo stock:			
Dressed.....	5,201,902,718	5,048,832,850	5,203,280,487	Pounds.....	202,844,139	(1)	(1)
Goats and kids—				Value.....	\$19,499,659	(1)	(1)
Number.....	33,224	(1)	(1)	Oleo oil:			
Cost.....	\$121,230	(1)	(1)	Gallons.....	19,692,172	19,454,799	19,111,120
All other.....	\$138,548	\$61,905	\$554,299	Value.....	\$16,475,726	\$10,201,911	\$11,482,542
Dressed meat, purchased	\$93,409,286	\$53,114,957	\$54,247,986	Other oils:			
All other materials.....	\$148,692,917	\$82,416,929	\$60,878,681	Gallons.....	11,343,186	4,893,133	8,240,569
<b>PRODUCTS.</b>				Value.....	\$6,350,745	\$2,295,951	\$3,438,358
Beef: <sup>2</sup>				Oleomargarine:			
Total value.....	\$1,370,568,101	\$922,037,528	\$788,367,647	Pounds.....	42,012,466	(1)	(1)
Pounds.....	4,335,674,330	3,884,932,074	3,055,241,979	Value.....	\$5,963,981	(1)	(1)
Value.....	\$539,742,608	\$255,204,676	\$230,495,401	Stearin:			
Fresh—				Pounds.....	54,957,997	(1)	(1)
Pounds.....	4,209,196,668	3,748,055,377	2,917,653,476	Value.....	\$6,871,935	(1)	(1)
Value.....	\$327,583,456	\$247,096,724	\$210,833,647	Glue and gelatine:			
Salted or cured—				Pounds.....	27,936,035	17,526,456	(1)
Pounds.....	126,477,662	136,896,697	137,588,593	Value.....	\$1,944,338	\$1,087,719	(1)
Value.....	\$12,159,152	\$8,107,952	\$9,661,754	Fertilizers and fertilizer materials:			
Veal, fresh:				Tons (2,000 pounds).....	362,126	269,074	168,505
Pounds.....	252,897,078	154,212,652	84,548,128	Value.....	\$8,726,815	\$7,204,061	\$3,300,042
Value.....	\$23,058,886	\$12,836,369	\$7,709,772	Hides:			
Mutton, fresh:				Number.....	9,560,138	8,039,204	6,249,414
Pounds.....	495,457,894	460,754,244	400,812,014	Pounds.....	504,563,910	436,443,857	335,968,207
Value.....	\$40,735,116	\$36,880,455	\$32,681,457	Value.....	\$68,401,315	\$44,506,107	\$33,883,026
Pork: <sup>3</sup>				Sheep pelts:			
Pounds.....	4,377,127,187	4,147,834,872	4,360,705,789	Number.....	11,691,308	11,344,544	(1)
Value.....	\$486,845,161	\$340,586,644	\$320,469,119	Value.....	\$11,404,556	\$8,964,643	(1)
Fresh—				Goat and kid skins:			
Pounds.....	1,547,494,184	1,224,932,910	1,222,007,411	Number.....	33,359	(1)	(1)
Value.....	\$158,714,862	\$91,749,323	\$83,934,324	Value.....	\$30,679	(1)	(1)
				Wool:			
				Pounds.....	21,858,926	16,377,333	13,176,666
				Value.....	\$8,327,095	\$5,229,521	\$3,334,439
				Amount received for custom or contract work.....	\$1,329,739	\$198,825	\$141,154
				All other products.....	\$93,170,064	\$55,406,064	\$47,331,910

<sup>1</sup> Figures not available.

<sup>2</sup> Includes only the products specified.

**Sugar.**—Tables 39, 40, and 41 show the quantity and value of the products made from sugar beets and sugar cane of domestic growth, and the quantity of beets grown and the acreage devoted to this crop. They do not include statistics for maple sugar and sirup, or for sirup produced on farms from sugar and sorghum cane, or the data for establishments engaged primarily in the refining of cane sugar or molasses. The value of products of the domestic beet-sugar and cane-sugar mills amounted to \$77,991,683. In 1909 the value of products of the refineries above mentioned aggregated \$248,628,659. Of this value the cost of materials, which consist chiefly of raw sugar imported from Cuba, Porto Rico, Hawaii, and the Philippines, represented 90.9 per cent. The

combined value of products of all establishments producing raw or refined sugar was \$326,620,342 in 1909. This amount includes some duplication in the case of raw sugar produced by cane mills and used as material for the refineries.

As shown by Tables 39, 40, and 41, the total production of sugar in 1909 from beets and cane of domestic growth was 828,540 tons, of which beet sugar constituted 60.6 per cent and cane sugar 39.4 per cent. The output of beet sugar increased more than five-fold in quantity since 1899, while the production of cane sugar, for which statistics for previous censuses can not be presented in comparable form, has increased but slightly. The *ton of 2,000 pounds* is used in showing quantities.

Table 39

PRODUCT.	1909	
	Tons.	Value.
<b>Total</b> .....		<b>\$77,991,683</b>
Beet-sugar industry.....		48,122,383
Cane-sugar industry.....		29,869,300
Sugar.....	828,540	72,033,302
Beet.....	501,682	45,937,629
Cane.....	326,858	26,095,673
Molasses, sirup, and all other products.....		5,958,381
Beet.....		2,184,754
Cane.....		3,773,627

The following table presents the statistics for the beet-sugar industry for the censuses of 1909, 1904, and 1899:

Table 40

	1909	1904	1899
<b>Acres of sugar beets, total planted.</b> .....	<b>415,984</b>	<b>240,757</b>	<b>135,305</b>
Directly by factory.....	29,459	20,484	10,239
By tenants of factory.....	18,166	20,223	13,074
On contract by others than tenants of factory.....	368,359	200,050	111,992
<b>Beets used, tons</b> .....	<b>8,965,356</b>	<b>2,175,417</b>	<b>794,668</b>
Grown directly by factory.....	295,748	169,820	25,241
Grown by tenants of factory.....	163,843	210,247	95,071
Grown on contract by others than tenants of factory.....	3,534,715	1,795,331	676,346
<b>PRODUCTS.</b>			
<b>Total value</b> .....	<b>\$48,122,383</b>	<b>\$24,393,794</b>	<b>\$7,323,857</b>
Sugar:			
Granulated—			
Tons.....	496,307	248,309	57,843
Value.....	\$45,645,810	\$23,493,373	\$5,580,527
Raw—			
Tons.....	4,875	5,612	23,886
Value.....	\$291,819	\$431,229	\$1,042,054
Molasses or sirup:			
Gallons.....	20,812,747	9,609,542	3,551,856
Value.....	\$1,129,905	\$221,997	\$25,102
Beet pulp.....	\$795,900	\$202,670	\$21,822
All other products.....	\$258,949	\$46,025	\$54,352

<sup>1</sup> Includes quantities for which no value could be given; also wastage.

The statistics for cane mills for 1909 are shown in detail in Table 41.

Table 42

CENSUS.	Number of establishments.	NUMBER ENGAGED IN INDUSTRY. <sup>1</sup>		Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
		Salaried employees.	Wage earners (average number).						
1909 (census of 1910).....	5,352	31,208	581,128	\$1,841,242,131	\$49,123,634	\$335,396,736	\$992,635,299	\$1,084,636,499	\$985,601,200
1904 (census of 1905).....	4,737	24,372	742,529	1,351,451,715	32,862,121	230,514,233	753,174,081	1,225,600,444	472,511,463
1899 (census of 1900).....	4,521	17,024	664,429	1,049,636,201	23,532,773	210,069,411	627,209,771	940,652,688	412,842,917
1889 (census of 1890).....	4,429	210,851	520,196	772,673,605	12,743,405	169,422,053	454,272,489	768,357,254	314,844,765
1879 (census of 1880).....	4,143	( <sup>2</sup> )	387,557	414,179,946	( <sup>2</sup> )	105,642,824	306,495,799	538,401,222	231,905,423
1869 (census of 1870).....	4,855	( <sup>2</sup> )	275,655	208,611,518	( <sup>2</sup> )	86,784,211	354,432,813	522,312,413	167,839,600
1859 (census of 1860).....	3,038	( <sup>2</sup> )	194,394	150,205,852	( <sup>2</sup> )	40,410,946	113,082,036	215,166,444	102,084,408
1849 (census of 1850).....	3,025	( <sup>2</sup> )	146,877	112,513,947	( <sup>2</sup> )	( <sup>2</sup> )	76,715,959	128,769,971	52,654,012

<sup>1</sup> Not including proprietors and firm members.

<sup>2</sup> Includes proprietors and firm members with their salaries.

<sup>3</sup> Not reported separately.

<sup>4</sup> Includes 2,115 officers and clerks whose salaries were not reported.

<sup>5</sup> Not reported fully.

The combined products of the industry in 1909 were valued at \$1,684,636,499, an increase of \$744,583,811, or 79.2 per cent, over the total for 1899. The total includes considerable duplication of values, but probably no more, relatively, than at previous censuses.

The percentage of increase since 1899 is the highest for any decade since that from 1859-1869. In 1909

Table 41

PRODUCT.	1909
<b>Total value</b> .....	<b>\$30,620,738</b>
Sugar: <sup>1</sup>	
Tons.....	326,858
Value.....	\$26,095,673
Vacuum pan—	
Tons.....	223,180
Value.....	\$25,794,287
Brown (open-kettle process)—	
Tons.....	3,678
Value.....	\$301,386
Molasses (liquid product from which more or less sugar has been extracted):	
Gallons.....	24,587,581
Value.....	\$2,845,559
Sirup (liquid product from which no sugar has been extracted):	
Gallons.....	1,419,860
Value.....	\$305,632
All other products <sup>2</sup> .....	\$1,313,874

<sup>1</sup> Does not include the operations of four establishments which manufacture sugar, two of which were operated in connection with penal institutions and two of which were engaged primarily in the manufacture of products other than those covered by the industry designation. The output of these establishments was 7,281 tons of sugar and 663,202 gallons of molasses.

<sup>2</sup> The value of sirup produced by establishments which manufacture no sugar is included under "All other products."

### TEXTILES.

Statistics are presented for several branches of the textile and allied manufacturing industries, designated as follows: Carpets and rugs, other than rag; cordage and twine and jute and linen goods; cotton goods, including cotton small wares; hats, fur-felt; hosiery and knit goods; oilcloth and linoleum; shoddy; silk and silk goods, including throwsters; and woolen, worsted, and felt goods, and wool hats.

Table 42 shows the development of the textile industry since 1850. It covers all the industries mentioned above except the manufacture of fur-felt hats and of oilcloth and linoleum, for which statistics are shown in separate tables, and also includes the dyeing and finishing of textiles.

cotton goods contributed 37.3 per cent of the value of all products represented in the total; the products of the woolen industries, including carpets and rugs, 30.1 per cent; hosiery and knit goods, 11.9 per cent; silk goods, 11.7 per cent; cordage and twine and jute and linen goods, 3.6 per cent; shoddy, four-tenths of 1 per cent; and the dyeing and finishing of textiles by independent establishments, 5 per cent.

The following table gives the number of producing spindles in active textile mills at the time of each census from 1869 to 1909, inclusive. It does not include spindles in establishments engaged primarily in the manufacture of products other than textiles, nor spindles employed on flax, hemp, jute, and allied fibers, of which latter class 142,169 were returned in 1909.

**Table 13**

CENSUS.	NUMBER OF SPINDLES.				
	Total.	Cotton.	Silk.	Woolen.	Worsted.
1909 (census of 1910).....	33,866,479 <sup>1</sup>	28,178,862	1,777,962	2,156,849	1,752,806
1904 (census of 1905).....	28,721,742	23,672,064	1,394,020	2,456,389	1,199,269
1899 (census of 1900).....	23,901,557	19,463,984	1,213,493	2,229,181	994,899
1894 (census of 1895).....	18,092,133	14,384,180	718,340	2,322,269	657,324
1879 (census of 1880).....	13,170,743	10,653,435	292,312	1,915,070	309,926
1869 (census of 1870).....	9,335,953	7,280,800	12,040	1,845,496	200,617

<sup>1</sup> Includes some accessory spindles, except for silk.

The percentage of increase in the total number of spindles was greater from 1899 to 1909 than for any other decade shown. In 1909 cotton spindles formed 83.2 per cent of the total number, silk spindles 5.2 per cent, and woolen and worsted spindles combined 11.5 per cent. In 1909 cotton spindles represented a slightly larger proportion of all spindles than in 1904 and 1899 and woolen and worsted spindles a slightly smaller proportion.

The loom equipment of active establishments at the time of the several censuses, beginning with that of 1869, is presented in the following table. It does not include looms in establishments engaged primarily in the manufacture of products other than textiles, nor looms employed on flax, hemp, jute, and similar fibers. Cotton looms operated by power formed 80.6 per cent of the total number of power looms in 1909; silk looms, 9.1 per cent; and those employed in the woolen industry, which includes the manufacture of woolen and worsted goods and carpets and rugs, 10.2 per cent. In 1899 the corresponding percentages were 79.5 for cotton looms, 7.7 for silk, and 12.8 for those in the woolen industries.

**Table 14**

CLASS OF LOOMS AND CENSUS.	NUMBER OF LOOMS.					
	Total.	Used in the manufacture of—				
		Cotton goods.	Silk goods.	Woolen goods.	Worsted goods.	Carpets and rugs.
<b>Power:</b>						
1909 (census of 1910).....	825,478	665,652	75,406	33,148	39,476	11,796
1904 (census of 1905).....	696,785	559,781	59,775	38,104	28,123	11,002
1899 (census of 1900).....	513,214	455,752	41,257	36,794	26,130	9,811
1894 (census of 1895).....	412,441	324,866	29,822	38,523	19,929	8,301
1879 (census of 1880).....	285,494	227,383	5,321	32,955	11,703	8,132
1869 (census of 1870).....	200,791	157,748	1,281	34,183	6,128	1,451
<b>Hand:</b>						
1909 (census of 1910).....	248	( <sup>1</sup> )	( <sup>2</sup> )	41	207	
1904 (census of 1905).....	1,039	( <sup>1</sup> )	283	66	690	
1899 (census of 1900).....	1,311	( <sup>1</sup> )	173	83	1,055	
1894 (census of 1895).....	4,823	( <sup>1</sup> )	1,747	448	2,628	
1879 (census of 1880).....	7,929	( <sup>1</sup> )	3,153	781	3,995	
1869 (census of 1870).....	4,163	( <sup>1</sup> )	188	( <sup>1</sup> )	3,975	

<sup>1</sup> Not reported.

<sup>2</sup> Included with power looms.

**Carpets and rugs.**—The following table presents statistics for the manufacture of carpets and rugs, exclusive of rag and grass carpets and rugs.

**Table 15**

	1909	1904	1899
<b>MATERIALS.</b>			
Total cost.....	\$39,563,004	\$37,947,954	\$27,228,719
Wool, in condition purchased:			
Founds.....	64,135,020	51,330,521	51,871,334
Cost.....	\$11,752,396	\$10,431,146	\$8,104,107
Equivalent of above in scoured condition, pounds.....	51,474,353	31,551,895	37,500,231
Animal hair:			
Founds.....	5,400,944	6,805,802	6,189,757
Cost.....	\$474,057	\$593,588	\$549,610
Cotton:			
Founds.....	5,147,130	1,997,369	1,943,942
Cost.....	\$533,302	\$251,112	\$129,449
Partly manufactured materials not made in mill reporting:			
Waste and noils—			
Founds.....	2,732,034	2,172,481	2,325,054
Cost.....	\$513,392	\$341,309	\$305,733
Yarns—			
Woolen—			
Founds.....	25,718,747	32,431,400	32,996,316
Cost.....	\$5,606,118	\$6,648,001	\$5,030,654
Worsted—			
Founds.....	11,292,749	11,355,993	9,218,267
Cost.....	\$3,588,915	\$5,405,072	\$3,544,860
Cotton—			
Founds.....	26,166,241	27,421,831	19,823,561
Cost.....	\$4,772,594	\$7,747,850	\$2,744,928
Linen—			
Founds.....	8,792,876	8,228,200	8,388,211
Cost.....	\$1,666,009	\$1,355,892	\$1,164,826
Jute, ramie, and other vegetable fiber—			
Founds.....	55,592,343	49,119,558	38,846,413
Cost.....	\$3,826,694	\$3,404,516	\$2,476,029
Chemicals and dyestuffs.....	\$1,729,492	\$1,465,476	\$1,151,725
All other materials.....	\$3,630,035	\$3,291,992	\$2,026,797
<b>PRODUCTS.</b>			
Total value.....	\$71,188,152	\$61,586,433	\$48,192,351
Carpets:			
Square yards.....	57,176,729	66,426,033	64,238,761
Value.....	\$48,475,889	\$43,991,125	\$38,405,926
Axminster and Moquette—			
Square yards.....	12,507,261	6,413,686	5,026,778
Value.....	\$13,680,806	\$6,368,757	\$4,762,269
Wilton—			
Square yards.....	4,576,368	1,297,872	*3,587,126
Value.....	\$8,737,768	\$3,726,667	*\$4,030,842
Brussels—			
Square yards.....	3,960,626	3,024,162	2,686,493
Value.....	\$5,216,607	\$3,898,675	\$2,979,867
Tapestry velvet—			
Square yards.....	* 6,927,198	* 8,033,288	4,250,066
Value.....	* \$5,514,130	* \$7,754,681	\$3,743,353
Tapestry Brussels—			
Square yards.....	11,405,514	14,099,074	8,737,449
Value.....	\$8,576,006	\$9,955,045	\$5,520,665
Ingrain—			
Square yards.....	17,799,762	33,557,951	39,920,849
Value.....	\$9,749,672	\$13,287,302	\$14,368,590
Rugs, woven whole—			
Square yards.....	24,042,152	16,244,810	12,171,289
Value.....	\$18,490,449	\$12,870,650	\$8,145,232
Axminster and Moquette—			
Square yards.....	3,184,097	1,767,920	327,598
Value.....	\$3,691,900	\$2,107,383	\$342,262
Wilton—			
Square yards.....	767,248	1,097,185	339,784
Value.....	\$1,381,562	\$1,983,777	\$545,967
Brussels—			
Square yards.....	475,831	( <sup>1</sup> )	( <sup>1</sup> )
Value.....	\$533,582	( <sup>1</sup> )	( <sup>1</sup> )
Tapestry velvet—			
Square yards.....	3,732,972	( <sup>1</sup> )	( <sup>1</sup> )
Value.....	\$3,513,063	( <sup>1</sup> )	( <sup>1</sup> )
Tapestry Brussels—			
Square yards.....	5,672,062	2,009,834	18,750
Value.....	\$4,422,427	\$1,509,073	\$9,000
Ingrain art squares—			
Square yards.....	6,131,962	7,135,546	2,722,232
Value.....	\$2,408,960	\$2,785,457	\$1,175,951
Smyrna—			
Square yards.....	1,400,233	3,828,282	3,651,661
Value.....	\$1,134,500	\$1,600,322	\$3,680,610
Other—			
Square yards.....	2,676,947	406,042	5,111,173
Value.....	\$1,079,633	\$349,860	\$3,391,434
All other products.....	\$1,221,814	\$4,724,658	\$4,641,193
<b>MACHINERY.</b>			
Sets of cards.....	745	686	* 468
Woolen.....	456	389	.....
Worsted.....	180	238	.....
Cotton.....	109	.....	.....
Spindles.....	252,096	235,347	209,206
Producing.....	211,472	211,331	167,123
Doubling and twisting.....	40,624	44,016	42,083
Looms, all classes.....	12,271	19,853	12,511

<sup>1</sup> In addition, in 1909 carpets and rugs, to the value of \$179,161, and in 1904, to the value of \$70,000, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

\* Includes Wilton velvet.

<sup>1</sup> Not reported separately.

<sup>1</sup> Not reported fully.

The aggregate production of carpets and rugs increased from 76,410,050 square yards in 1899 to 81,218,881 square yards in 1909, or only 6.3 per cent, but the value of the output increased from \$43,551,158 in 1899 to \$66,966,338 in 1909, or 53.8 per cent. The increase has been in all classes of rugs except Smyrna and "other rugs" and in all classes of carpets except ingrain. The cost of materials used increased at a rate almost equal to that of the value of products. The total carpet product decreased 11 per cent in quantity during the decade, but increased 36.9 per cent in value. The output of pile carpets increased 61.9 per cent in quantity and 98.3 per cent in value, while that of woven ply or ingrain carpets decreased 55.4 per cent in quantity and 53 per cent in value. The production of rugs woven whole increased 97.5 per cent in quantity and 127 per cent in value. More than two-thirds of the fiber material used in the manufacture of carpets is yarn purchased, and to the extent that this yarn is manufactured by carpet mills there is a duplication in the products.

**Cordage and twine and jute and linen goods.**—Table 46 presents statistics for the manufacture of cordage and twine and jute and linen goods, including nets and seines, but does not include the figures for these classes of goods produced in penal institutions or in establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

The principal products manufactured in this country from flax, hemp, and jute fibers are twine, rope, and thread, and yarns for sale to establishments using chiefly cotton, wool, and silk fibers.

The production of linen toweling and other linen woven goods increased decidedly between 1899 and 1909, but this item is not shown separately in the table, because a very large proportion of the total product is manufactured by one establishment.

The output of gunny bagging decreased from 74,090,760 square yards in 1899 to 69,311,288 square yards in 1909, while its value increased from \$3,462,479 to \$3,507,482. The aggregate rope and twine product in 1909 was 504,020,697 pounds, valued at \$42,864,658, as compared with 343,656,384 pounds, valued at \$31,250,468, in 1899. In 1899 cotton rope and twine formed 3 per cent of the total output of the cordage and twine industry, and in 1909, 7.4 per cent. This class of products increased 260.6 per cent in quantity and 372.9 per cent in value during the decade, while rope and twine of all other fiber increased 40 per cent in quantity and 21.6 per cent in value. In addition to the cotton rope and twine product included in the figures given above, 21,319,678 pounds, valued at \$3,581,917, were made in 1909 in mills engaged primarily in the manufacture of cotton goods.

Table 16	1909	1899
<b>MATERIALS.</b>		
<b>Total cost</b> .....	<b>\$40,914,810</b>	<b>\$33,063,793</b>
Hard fibers:		
Sisal and manila hemp—		
Pounds.....	335,460,574	269,594,673
Cost.....	\$19,314,306	\$17,743,624
Other kinds—		
Pounds.....	17,222,998	6,344,371
Cost.....	\$707,802	\$352,528
Soft fibers:		
Jute—		
Pounds.....	121,992,427	87,443,201
Cost.....	\$4,134,265	\$2,431,429
Jute bolls—		
Pounds.....	138,364,122	118,806,625
Cost.....	\$2,033,176	\$1,765,653
Flax and flax tow—		
Pounds.....	26,954,785	16,980,646
Cost.....	\$3,174,609	\$2,080,862
Hemp and hemp tow—		
Pounds.....	19,724,070	25,588,715
Cost.....	\$1,446,125	\$1,404,653
Cotton:		
Pounds.....	27,624,490	13,022,755
Cost.....	\$2,922,933	\$849,426
Yarns, purchased:		
Cotton—		
Pounds.....	7,077,959	4,973,080
Cost.....	\$1,291,599	\$709,889
Flax, hemp, jute, and ramie—		
Pounds.....	2,676,367	1,788,170
Cost.....	\$445,678	\$262,156
All other materials.....	\$5,394,617	\$5,433,573
<b>PRODUCTS.</b>		
<b>Total value</b> .....	<b>\$61,019,986</b>	<b>\$49,077,629</b>
Rope and binder twine.....	\$33,930,306	\$26,909,027
Sisal—		
Pounds.....	225,756,526	172,238,291
Value.....	\$15,960,280	\$14,005,566
Manila—		
Pounds.....	150,169,682	123,384,201
Value.....	\$12,892,347	\$12,192,798
Cotton rope—		
Pounds.....	16,760,763	1,615,824
Value.....	\$9,011,613	\$247,250
Jute rope—		
Pounds.....	27,749,512	10,012,165
Value.....	\$1,566,160	\$463,413
All other—		
Pounds.....	7,767,561	(?)
Value.....	\$499,906	(?)
Twine, not including binder.....	\$8,934,352	\$4,341,441
Cotton—		
Pounds.....	20,412,631	8,691,707
Value.....	\$3,518,036	\$1,133,640
Jute—		
Pounds.....	35,516,217	1,679,127
Value.....	\$2,557,744	\$117,539
Hemp—		
Pounds.....	8,013,349	9,065,024
Value.....	\$1,091,291	\$1,019,590
Flax—		
Pounds.....	2,967,653	3,845,978
Value.....	\$809,969	\$969,409
Flax or hemp mixed with jute—		
Pounds.....	8,907,403	12,924,067
Value.....	\$936,312	\$1,101,203
Yarns for sale.....	\$5,434,637	\$4,455,734
Jute—		
Pounds.....	62,512,247	54,271,860
Value.....	\$4,361,550	\$3,230,835
Flax and hemp—		
Pounds.....	5,486,891	8,259,653
Value.....	\$982,742	\$1,125,971
Other—		
Pounds.....	732,120	946,567
Value.....	\$89,745	\$98,928
Linen thread:		
Pounds.....	6,530,503	4,021,044
Value.....	\$3,407,008	\$2,332,287
Gunny bagging:		
Square yards.....	69,311,288	74,090,760
Value.....	\$3,507,482	\$3,462,479
Jute carpets and rugs:		
Square yards.....	2,206,114	2,953,658
Value.....	\$549,221	\$357,568
All other products.....	\$5,257,580	\$7,219,093

<sup>1</sup> In addition, cordage and twine and jute and linen goods to the value of \$890,629 were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>2</sup> Not reported.

**Cotton goods, including cotton small wares.**—Table 47 presents the statistics for cotton manufactures, not including cotton hosiery and knit goods.

The aggregate value of cotton woven goods manufactured, exclusive of narrow weaves, such as tape and webbing, was \$456,089,401 in 1909, compared with \$243,253,155 in 1899, an increase of 87.5 per cent for the decade. The rate of increase, however, in quantity was very much less, 6,348,568,593 square yards of woven goods being reported in 1909, compared with

4,523,430,616 in 1899, an increase of 40.3 per cent. The output of almost every class of woven goods increased during the decade.

The total production of yarn in cotton mills in 1909 was 2,040,290,743 pounds, of which 470,370,995 pounds, valued at \$109,314,953, were made for sale. Part of this yarn was sold to other cotton mills, thus involving duplication in the total value of products for the industry. Some of it was sold to woolen and silk mills and a large quantity to knitting mills.

Table 47	1909	1904	1899	1909	1904	1899
<b>MATERIALS.</b>			<b>PRODUCTS—continued.</b>			
<b>Total cost.....</b>	<b>\$371,909,470</b>	<b>\$286,256,303</b>	<b>\$176,561,527</b>	<b>Woven goods—Continued.</b>		
Cotton: Pounds.....	2,335,344,996	1,876,437,150	1,817,643,369	Napped fabrics—		
Cost.....	\$274,724,210	\$222,212,749	\$125,168,616	Square yards.....	305,655,864	330,808,140
Domestic—				Value.....	\$25,965,307	\$26,108,315
Pounds.....	2,259,312,974	1,832,738,744	1,761,798,458	Corduroy, cotton, velvet, and plush—		
Cost.....	\$261,547,820	\$214,615,844	\$119,098,443	Square yards.....	19,706,438	16,014,556
Foreign—				Value.....	\$6,163,613	\$4,790,573
Pounds.....	76,031,932	43,700,406	55,844,932	Mosquito and other netting—		
Cost.....	\$13,176,390	\$7,506,305	\$6,071,173	Square yards.....	59,190,819	36,232,018
Cotton yarn: Pounds.....	126,707,603	105,411,516	94,632,564	Value.....	\$2,103,560	\$794,953
Cost.....	\$34,384,791	\$24,611,200	\$17,622,568	Upholstering goods—		
Cotton waste: Pounds.....	80,044,061	76,678,645	41,234,600	Square yards.....	94,840,651	65,592,212
Cost.....	\$4,225,799	\$3,814,290	\$1,516,591	Value.....	\$14,882,812	\$12,111,698
Starch: Pounds.....	71,774,574	54,489,534	53,800,734	Tapestries (piece goods and curtains)—		
Cost.....	\$2,114,755	\$1,506,804	\$1,227,010	Square yards.....	10,657,385	9,605,006
Chemicals and dyestuffs.....	\$4,886,514	\$4,573,375	\$5,718,107	Value.....	\$4,723,997	\$4,242,506
All other materials.....	\$50,673,499	\$29,536,885	\$25,298,635	Lace and lace curtains—		
<b>PRODUCTS.</b>				Square yards.....	81,007,314	53,511,222
<b>Total value.....</b>	<b>\$628,391,813</b>	<b>\$450,467,704</b>	<b>\$339,200,320</b>	Value.....	\$8,462,082	\$7,208,211
Woven goods: Square yards.....	6,348,568,593	5,110,308,812	4,523,430,616	Other—		
Value.....	\$456,089,401	\$324,747,837	\$243,253,155	Square yards.....	3,175,352	2,475,984
Plain cloths for printing or covering—				Value.....	\$1,250,833	\$961,646
Square yards.....	2,224,677,848	1,818,216,172	1,581,613,827	Bags and bagging—		
Value.....	\$111,097,889	\$80,311,612	\$57,789,940	Square yards.....	63,107,568	57,067,661
Brown or bleached sheetings and shirtings—				Value.....	\$4,862,451	\$3,953,732
Square yards.....	1,484,353,529	1,172,309,182	1,212,403,048	Cotton towels and toweling—		
Value.....	\$88,802,965	\$61,253,376	\$55,513,032	Square yards.....	52,778,170	40,280,292
Twills and satens—				Value.....	\$6,037,075	\$4,305,470
Square yards.....	388,314,961	306,142,513	235,860,518	Tape and webbing.....	55,531,674	84,060,488
Value.....	\$34,274,107	\$23,701,305	\$14,301,302	Yarns for sale: Pounds.....	470,370,995	364,634,753
Fancy woven fabrics—				Value.....	\$109,314,953	\$79,939,087
Square yards.....	426,710,359	306,254,685	237,841,003	Threads: Pounds.....	23,700,957	17,163,741
Value.....	\$47,498,713	\$28,499,342	\$21,066,310	Value.....	\$20,516,269	\$15,043,043
Ginghams—				Twine: Pounds.....	13,715,771	7,301,589
Square yards.....	537,430,463	302,316,132	278,362,708	Value.....	\$2,417,391	\$1,428,994
Value.....	\$37,939,040	\$22,471,867	\$16,179,200	Cordage and rope: Pounds.....	7,093,907	(?)
Duck: Square yards.....	162,476,322	122,601,212	129,234,076	Value.....	\$1,164,526	(?)
Value.....	\$27,485,892	\$17,005,982	\$14,263,008	Cotton waste for sale: Pounds.....	310,513,348	247,649,640
Drills: Square yards.....	238,869,407	104,735,303	237,290,549	Value.....	\$10,874,356	\$70,862,613
Value.....	\$17,750,151	\$12,506,063	\$11,862,794	All other products.....	\$22,483,213	\$15,185,598
Ticks, denims, and stripes—				<b>MACHINERY.</b>		
Square yards.....	264,870,508	256,375,486	181,800,853	Producing spindles, number.....	27,425,608	24,195,143
Value.....	\$27,350,162	\$23,797,578	\$16,446,633	Looms, all classes, number.....	605,049	569,296
Cottonades—						455,732
Square yards.....	25,676,286	25,362,346	26,323,947			
Value.....	\$3,343,533	\$2,968,971	\$2,791,431			

<sup>1</sup> In addition, cotton goods to the value of \$2,224,096 were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>2</sup> Not reported separately.

**Felt goods.**—Table 48 covers the statistics for all establishments engaged primarily in the manufacture of felt goods except those making hats. The aggregate value of products of the three felting industries—the manufacture of felt goods, fur-felt hats, and wool-felt hats—was \$64,099,667 in 1909, \$18,035,213 in 1904, and \$37,864,818 in 1899, the increase in value from 1899 to 1909 being 69.3 per cent.

The value of products for the felt-goods industry, exclusive of the making of felt hats, was \$11,852,626 in 1909 and \$6,461,691 in 1899, an increase for the decade of 83.4 per cent.

The increase in the production of endless belts during the decade was particularly large, amounting to 191 per cent in quantity and 215.1 per cent in value.

Table 18	1909	1904	1899
<b>MATERIALS.</b>			
Total cost.....	\$6,967,206	\$5,754,026	\$3,801,028
Wool, in condition purchased:			
Pounds.....	12,409,826	11,868,238	9,606,263
Cost.....	\$3,927,393	\$3,388,588	\$2,196,440
Equivalent of above in scoured condition, pounds.....	9,308,172	8,131,082	6,468,097
Animal hair, etc.:			
Pounds.....	8,144,011	6,974,634	2,819,521
Cost.....	\$239,244	\$373,797	\$125,803
Cotton:			
Pounds.....	1,375,670	1,982,624	1,225,850
Cost.....	\$155,815	\$217,200	\$77,683
Shoddy, mungo, and wool extract:			
Pounds.....	2,536,243	1,532,127	712,373
Cost.....	\$201,878	\$157,031	\$80,737
Waste and noils:			
Pounds.....	4,874,712	1,948,969	2,653,590
Cost.....	\$1,220,110	\$452,569	\$552,992
Chemicals and dyestuffs.....	\$219,801	\$189,750	\$128,206
All other materials.....	\$342,875	\$975,151	\$639,077
<b>PRODUCTS.</b>			
Total value.....	\$11,852,626	\$8,948,594	\$6,461,691
Felt cloths:			
Square yards.....	3,764,468	3,689,610	2,056,002
Value.....	\$1,381,854	\$1,830,627	\$548,543
Trimming and lining felts, felt skirts, etc.:			
Square yards.....	5,953,410		
Value.....	\$1,329,086		
Saddle felts:			
Pounds.....	1,650,991	\$1,188,908	\$796,718
Value.....	\$575,849		
Endless belts:			
Pounds.....	3,243,034	1,770,124	1,114,357
Value.....	\$9,417,822	\$1,707,216	\$1,084,855
Boot and shoe linings:			
Square yards.....	1,661,090	2,823,137	1,052,538
Value.....	\$514,456	\$781,450	\$540,110
Hair felting:			
Square yards.....	1,159,999	605,214	125,000
Value.....	\$531,405	\$191,998	\$56,950
All other felts.....	\$3,549,876	\$2,502,894	\$2,261,918
All other products.....	\$552,038	\$655,501	\$1,172,617
<b>MACHINERY.</b>			
Sets of cards.....	473	463	4302
Woolen.....	472	451	
Cotton.....	1	12	
Spindles.....	30,353	17,817	24,286
Producing.....	29,403	17,457	23,235
Doubling and twisting.....	890	360	1,051
Looms, all classes.....	408	265	284

<sup>1</sup> Not fully reported.

**Hats, fur-felt and wool-felt.**—The total output in 1909 of establishments engaged primarily in the manufacture of fur-felt or wool-felt hats was 42,962,508 hats of all varieties, valued at \$47,089,253; in 1904 it was 36,695,952 hats, valued at \$36,604,304; and in 1899, 32,325,564 hats, valued at \$28,546,867. Fur-felt hats, generally known as felt hats, formed 83.5 per cent of the total number in 1909 and 69.9 per cent in 1899, while wool-felt hats, generally known as wool hats, formed 16.5 per cent of the total in 1909 and 30.1 per cent in 1899.

There is some duplication in value of products, due to the use of felt hat bodies and hats in the rough made at one establishment as material at another.

The following table gives the quantity and value of the materials and products of the fur-felt hat industry in 1909, 1904, and 1899. The products increased in value 72.1 per cent during the decade, and the number of finished hats increased 58.8 per cent.

Table 19	1909	1904	1899
<b>MATERIALS.</b>			
Total cost.....	\$22,109,231	\$15,975,206	\$13,613,668
Hatters' fur:			
Pounds.....	8,645,576	6,718,359	6,166,269
Cost.....	\$9,278,922	\$6,734,936	\$6,376,991
Fur-felt hat bodies and hats in the rough:			
Dozens.....	406,447	211,760	148,212
Cost.....	\$2,575,248	\$1,351,372	\$882,986
Chemicals and dyestuffs.....	\$843,587	\$1,140,281	\$656,794
All other materials.....	\$9,111,474	\$6,739,617	\$5,996,897
<b>PRODUCTS.</b>			
Total value.....	\$47,089,253	\$36,604,304	\$28,546,867
Fur-felt hats:			
Dozens.....	2,089,252	2,611,875	1,882,372
Value.....	\$43,442,466	\$34,314,234	\$25,385,506
Fur-felt hat bodies and hats in the rough:			
Dozens.....	366,370	88,996	165,010
Value.....	\$2,703,738	\$669,599	\$992,730
All other products.....	\$1,164,872	\$1,063,361	\$941,032
Work on materials for others.....	\$553,554	\$500,799	\$491,919

<sup>1</sup> In addition, in 1909, fur-felt hats, to the value of \$806,691, and in 1904, to the value of \$33,441, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

The statistics for the manufacture of wool-felt hats are given in the following table. The increase in the total value of all products for the decade was 22.1 per cent. The output of finished wool hats in 1909, though greater than in 1904, showed a decrease of 27.2 per cent as compared with 1899.

Table 50	1909	1904	1899
<b>MATERIALS.</b>			
Total cost.....	\$2,472,263	\$1,369,810	\$2,042,202
Wool, in condition purchased:			
Pounds.....	1,203,498	1,633,525	2,713,374
Cost.....	\$404,127	\$465,594	\$788,973
Equivalent of above in scoured condition, pounds.....	989,110	1,231,576	1,898,605
Wool waste and noils:			
Pounds.....	1,281,764	287,363	862,982
Cost.....	\$661,172	\$119,407	\$370,792
Wool-felt hat bodies and hats in the rough:			
Dozens.....	21,864	12,069	4,939
Cost.....	\$83,020	\$25,597	\$13,920
Chemicals and dyestuffs.....	\$104,503	\$63,965	\$108,502
All other materials.....	\$1,219,441	\$664,907	\$760,615
<b>PRODUCTS.</b>			
Total value.....	\$4,382,441	\$2,457,556	\$3,591,940
Wool-felt hats:			
Dozens.....	590,957	446,121	611,425
Value.....	\$3,646,787	\$2,290,070	\$3,161,361
Wool-felt hat bodies and hats in the rough:			
Dozens.....	53,896	18,587	56,006
Value.....	\$699,492	\$100,491	\$120,262
All other products.....	\$426,132	\$66,705	\$310,317

<sup>1</sup> In addition, wool-felt hats, to the value of \$904,643, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

**Hosiery and knit goods.**—Table 51, presenting the statistics for hosiery and knit goods, includes hand-knit as well as machine-knit goods.

The total cost of materials in the hosiery and knit-goods industry was \$110,241,053 in 1909, \$76,789,348 in 1904, and \$51,195,330 in 1899. The cost of cotton and cotton yarn represented 51.7 per cent of the total cost of material used in 1909, 52.4 per cent in 1904, and 50.3 per cent in 1899. A portion of the yarn reported as material was purchased from other establish-

ments included in this classification and is therefore duplicated in the value of products. The increase in the total cost of materials in 1909 over the cost for 1899 was 115.3 per cent, and the increase in the total value of products was 108.8 per cent. Of the total value of the products, shirts and drawers contributed 34.8 per cent in 1909 and 47.7 per cent in 1899, while hosiery contributed 34.3 per cent in 1909 and 28.6 per cent in 1899. The hosiery product increased in value from

\$27,420,029 in 1899 to \$68,721,825 in 1909, or 150.6 per cent, and shirts and drawers from \$45,675,594 to \$69,592,817, or 52.4 per cent. Sweaters, cardigan jackets, etc., show the largest relative increase in value for the decade, and combination suits the next largest, the value of the form<sup>r</sup> increasing from \$3,498,837 to \$22,430,817, or more than fivefold, and that of the latter from \$3,691,847 to \$14,853,536, or about threefold.

Table 51

	1909	1901	1899		1909	1904	1899
MATERIALS.				PRODUCTS—continued.			
Total cost.....	\$110,241,053	\$76,789,348	\$51,195,330	Hosiery—Continued.			
Cotton—				Silk—			
Pounds.....	75,416,023	50,586,760	49,451,301	Dozen pairs.....	434,414	42,065	12,572
Cost.....	\$8,803,599	\$5,869,317	\$5,561,592	Value.....	\$3,600,416	\$522,303	\$186,413
Wool, in condition purchased:				Shirts and drawers:			
Pounds.....	7,068,788	17,300,616	17,953,907	Dozens.....	25,337,779	19,723,141	15,873,700
Cost.....	\$2,919,056	\$6,153,858	\$5,262,135	Value.....	\$69,592,817	\$56,643,860	\$46,675,594
Equivalent of above in scoured condition, pounds:				All cotton—			
Shoddy, purchased:	5,582,839	13,909,144	13,031,308	Dozens.....	22,567,121	17,107,958	12,058,431
Pounds.....	7,482,553	7,489,358	3,770,626	Value.....	\$50,007,598	\$39,658,762	\$26,882,902
Cost.....	\$919,970	\$923,719	\$488,792	Merino or mixed—			
Wool waste and noils, purchased:				Dozens.....	2,536,473	2,113,810	2,675,416
Pounds.....	8,586,261	6,020,459	5,276,454	Value.....	\$17,055,624	\$13,031,754	\$13,280,829
Cost.....	\$2,813,129	\$1,711,669	\$1,487,907	All wool—			
Yarns, purchased:				Dozens.....	178,163	483,328	1,055,046
Cotton—				Value.....	\$1,820,521	\$3,647,934	\$4,980,818
Pounds.....	216,987,611	161,500,466	131,820,068	Silk and silk mixed—			
Cost.....	\$48,165,749	\$34,372,910	\$22,204,918	Dozens.....	56,022	16,045	54,807
Worsted—				Value.....	\$709,074	\$305,410	\$518,045
Pounds.....	10,370,004	8,789,570	5,823,215	Combination suits:			
Cost.....	\$10,116,325	\$7,457,690	\$4,865,304	Dozens.....	2,473,103	1,440,420	986,855
Woolen—				Value.....	\$14,853,536	\$6,793,947	\$3,691,847
Pounds.....	6,140,265	4,839,343	2,621,893	All cotton—			
Cost.....	\$3,834,094	\$2,798,454	\$1,257,387	Dozens.....	2,047,637	1,290,301	\$24,632
Merino—				Value.....	\$9,713,597	\$4,478,664	\$2,240,566
Pounds.....	4,014,609	2,568,800	1,981,484	Merino or mixed—			
Cost.....	\$2,667,061	\$1,118,999	\$642,535	Dozens.....	364,387	105,242	139,994
Silk and rayon—				Value.....	\$4,217,432	\$1,199,949	\$1,133,328
Pounds.....	982,753	320,671	266,247	All wool—			
Cost.....	\$3,606,599	\$1,200,259	\$946,801	Dozens.....	50,102	68,067	9,501
Chemicals and dyestuffs.....	\$2,541,939	\$1,677,252	\$1,023,161	Value.....	\$983,289	\$963,132	\$201,667
All other materials.....	\$23,853,633	\$13,505,221	\$9,454,598	Silk or silk mixed—			
Yarns made in mill for use therein.				Dozens.....	10,977	6,810	12,728
Cotton, pounds.....	69,171,277	39,954,890	40,845,839	Value.....	\$239,218	\$150,202	\$116,286
Woolen, pounds.....	8,316,449	( <sup>1</sup> )	( <sup>1</sup> )	Sweaters, cardigan jackets, etc.:—			
Worsted, pounds.....	223,404	( <sup>1</sup> )	( <sup>1</sup> )	Dozens.....	2,221,410	\$11,629	594,090
Merino, pounds.....	20,856,989	( <sup>1</sup> )	( <sup>1</sup> )	Value.....	\$22,430,817	\$8,545,369	\$3,498,837
PRODUCTS.				Gloves and mittens:			
Total value.....	\$200,143,527	\$137,076,454	\$95,833,693	Dozen pairs.....	2,927,889	2,260,508	1,898,587
Hosiery—				Value.....	\$7,296,887	\$5,556,290	\$4,244,046
Dozen pairs.....	62,525,069	44,186,063	29,903,899	Hoods, scarfs, muffins, etc.:—			
Value.....	\$98,721,825	\$44,113,260	\$27,420,029	Dozens.....	888,223	589,315	343,429
Cotton, merino, and woolen—				Value.....	\$21,217,985	\$1,774,862	\$1,002,392
Dozen—				Shawls:			
Dozen pairs.....	24,499,502	25,999,813	16,641,769	Dozens.....	318,923	435,306	157,622
Value.....	\$37,963,011	\$26,152,043	\$16,203,372	Value.....	\$916,294	\$1,293,348	\$328,720
Cotton—				Boot and shoe linings:			
Dozen pairs.....	32,499,164	24,169,804	15,028,173	Square yards.....	9,726,770	11,768,961	10,466,440
Value.....	\$14,078,622	\$22,764,799	\$15,275,732	Value.....	\$1,299,464	\$1,249,401	\$2,265,003
Merino or mixed—				Yarns for sale.....			
Dozen pairs.....	834,029	736,226	436,891	Cotton—			
Value.....	\$1,466,283	\$1,182,164	\$659,939	Dozen pairs.....	7,457,412	3,304,615	2,419,282
Woolen or worsted—				Value.....	\$1,568,417	\$654,234	\$422,100
Dozen pairs.....	1,166,429	1,083,783	1,176,705	Woolen, worsted, and merino—			
Value.....	\$2,358,106	\$2,203,080	\$2,267,681	Pounds.....	488,322	491,559	134,529
Half hose—				Value.....	\$217,114	\$346,849	\$76,090
Dozen pairs.....	27,891,093	18,144,185	13,249,558	All other products.....	\$10,118,371	\$10,306,064	\$7,268,434
Value.....	\$27,218,398	\$17,438,914	\$11,030,244	MACHINERY.			
Cotton—				Sets of cards.....	2,681	2,001	1,161
Dozen pairs.....	24,805,917	15,223,243	11,352,081	Cotton.....	1,827	1,000	( <sup>1</sup> )
Value.....	\$21,831,365	\$11,821,830	\$7,966,945	Woolen.....	844	977	1,161
Merino or mixed—				Worsted.....	10	24	( <sup>1</sup> )
Dozen pairs.....	2,023,641	1,611,066	957,520	Spindles.....	736,774	603,180	521,871
Value.....	\$3,299,912	\$2,214,678	\$1,384,764	Producing.....	729,935	596,362	510,172
Woolen or worsted—				Double and twisting.....	6,818	11,690	11,690
Dozen pairs.....	1,061,535	1,309,876	939,957	Knitting machines, all classes.....	115,019	88,574	80,047
Value.....	\$2,087,121	\$3,402,406	\$1,738,535	Sewing machines, all classes.....	43,885	30,410	24,535

<sup>1</sup> Not reported.

<sup>2</sup> In addition, in 1909, hosiery and knit goods, to the value of \$2,975,749, and in 1904, to the value of \$1,579,633, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

**Oilcloth and linoleum.**—Table 52 presents the statistics of the production of oilcloth, linoleum, and artificial leather. Artificial leather, which at former censuses was included under upholstering materials, was reported separately for the first time at the census of 1909. At the census of 1899 oilcloth and linoleum were not reported in detail, but the total value of these products was \$11,402,620. This had

increased to \$13,977,137 in 1904 and to \$22,525,940 in 1909. The production of oilcloth in 1909 was in the aggregate \*96,862,068 square yards and in 1904 71,057,684 square yards, an increase for the five years of 36.3 per cent. The linoleum product increased relatively much more; it amounted to 30,676,254 square yards in 1909 and 16,891,462 square yards in 1904, an increase of 81.6 per cent.



Table 52	PRODUCT.	1909	1904
Total value.....		\$28,253,796	\$14,799,246
Oilcloth.....		\$11,681,012	\$8,648,337
Floor—			
Square yards.....		18,354,851	21,456,615
Value.....		\$3,776,660	\$3,565,689
Enamelled—			
Square yards.....		17,338,440	11,574,986
Value.....		\$2,265,146	\$1,542,407
Table—			
Square yards.....		61,168,777	38,926,083
Value.....		\$5,639,206	\$3,540,181
Linoleum.....		\$10,844,928	\$5,328,800
Linoleum, including cork carpet—			
Square yards.....		26,215,979	14,765,284
Value.....		\$7,850,437	\$4,223,992
Inlaid linoleum—			
Square yards.....		4,460,275	2,126,178
Value.....		\$2,994,491	\$1,104,808
Artificial leather—			
Square yards.....		11,869,875	(*)
Value.....		\$3,448,617	(*)
All other products.....		\$279,239	\$815,169

\* In addition, products to the value of \$33,328 were reported by establishments engaged primarily in the manufacture of products other than those covered by the industry designation. The production of artificial leather is included under "upholstering materials" in Table 110.

\* Figures not available.

**Shoddy.**—The statistics given in the following table relate only to establishments primarily engaged in the manufacture of shoddy, mungo, and wool extract, and do not include those for spinning and weaving mills and hosiery and knit-goods factories which manufacture shoddy for their own use or for sale. Mills engaged in the cutting of flocks and the cleaning and gannetting of waste are included, as in previous censuses. The total cost of materials used was \$5,000,706 in 1909, and the total value of the products was \$7,446,364, both of these amounts being somewhat larger than in 1899 but smaller than in 1904. The total output of the products specifically classified was 57,888,999 pounds in 1909, 63,787,770 pounds in 1904, and 47,684,714 pounds in 1899.

Table 53	1909	1904	1899
MATERIALS.			
Total cost.....	\$5,000,706	\$6,055,731	\$4,875,192
Tailors' clippings, rags, etc.:—			
Pounds.....	64,561,713	68,921,097	79,623,312
Cost.....	\$3,051,045	\$4,295,641	\$3,558,706
Waste and noils of wool, mohair, camel's hair, etc.:—			
Pounds.....	7,567,579	8,177,846	4,236,028
Cost.....	\$917,976	\$909,754	\$636,972
Wool, in condition purchased:—			
Pounds.....	237,097	567,492	422,349
Cost.....	\$98,632	\$127,927	\$127,069
Equivalent of above in scoured condition, pounds.....	196,097	421,467	242,907
Chemicals and dyestuffs.....	\$138,241	\$142,455	\$111,065
All other materials.....	\$795,412	\$579,954	\$384,320
PRODUCTS.			
Total value.....	\$7,446,364	\$8,406,425	\$6,730,974
Shoddy and mungo:—			
Pounds.....	48,375,724	54,401,295	39,014,661
Value.....	\$5,699,290	\$6,831,089	\$5,388,378
Wool extract:—			
Pounds.....	5,637,514	6,375,768	4,980,825
Value.....	\$965,528	\$727,912	\$620,504
Waste:—			
Pounds.....	2,237,748	42,504	1,608,470
Value.....	\$375,545	\$1,544	\$148,043
Flocks:—			
Pounds.....	1,638,013	2,968,203	2,080,758
Value.....	\$107,697	\$143,536	\$131,894
All other products.....	\$368,768	\$365,865	\$151,494
Work on materials for others.....	\$229,626	\$335,939	\$290,661
MACHINERY.			
Pickers, number.....	346	317	(*)
Garnett machines, number.....	158	116	(*)

\* In addition, shoddy to the value of \$367,728 was made for sale by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

\* Not reported.

**Silk and silk goods.**—The following table, which presents statistics for the manufacture of silk and silk goods, includes data for establishments that make a specialty of throwing and winding silk:

Table 54	1909	1904	1899
MATERIALS.			
Total cost.....	\$107,766,916	\$75,861,188	\$62,406,665
Silk:—			
Raw—			
Pounds.....	17,472,204	11,572,783	9,760,770
Cost.....	\$67,787,037	\$45,318,416	\$40,721,877
Spun—			
Pounds.....	2,212,972	1,951,201	1,550,291
Cost.....	\$4,848,789	\$4,310,061	\$3,406,059
Artificial—			
Pounds.....	914,494	466,151	6,036
Cost.....	\$1,926,894	\$1,623,473	\$10,380
Organizme and tram, purchased:—			
Pounds.....	3,377,972	3,236,744	2,338,464
Cost.....	\$14,079,719	\$14,552,425	\$10,539,632
Fringe and debris, including waste, noils, etc., purchased:—			
Pounds.....	2,402,960	1,49,811	1,735,179
Cost.....	\$1,637,187	\$1,267,159	\$1,008,947
Yarns, other than silk:—			
Cotton, including mercerized—			
Pounds.....	14,111,878	9,018,255	6,664,069
Cost.....	\$5,811,582	\$3,057,989	\$1,996,233
Woolen or worsted—			
Pounds.....	610,588	443,155	239,461
Cost.....	\$765,989	\$469,867	\$167,770
Mohair—			
Pounds.....	710,168	128,289	104,810
Cost.....	\$460,529	\$137,037	\$107,365
All other—			
Pounds.....	353,780	130,930	108,388
Cost.....	\$450,597	\$108,841	\$134,986
Chemicals and dyestuffs.....	\$1,062,313	\$666,992	(*)
All other materials.....	\$8,150,280	\$5,488,898	\$4,313,416
PRODUCTS.			
Total value.....	\$196,911,667	\$133,288,072	\$107,256,258
Broad silks:—			
Yards.....	185,707,316	124,871,215	87,636,883
Value.....	\$107,881,146	\$66,917,762	\$52,152,816
Plain and fancies—			
All silk—			
Yards.....	81,934,158	68,393,042	53,573,488
Value.....	\$53,282,704	\$40,741,480	\$33,852,111
Silk mixed—			
Yards.....	24,742,556	9,061,025	8,963,315
Value.....	\$14,207,861	\$5,343,472	\$5,450,710
Jacquard—			
All silk—			
Yards.....	13,249,090	8,143,091	7,532,229
Value.....	\$9,835,345	\$5,927,063	\$5,379,001
Silk mixed—			
Yards.....	6,043,686	2,336,120	1,677,466
Value.....	\$3,473,799	\$1,229,648	\$1,260,321
Piece-dyed:—			
All silk—			
Yards.....	19,693,393	21,534,584	7,331,501
Value.....	\$11,353,242	\$9,276,445	\$3,342,167
Silk mixed—			
Yards.....	40,044,433	15,643,353	8,558,584
Value.....	\$15,728,195	\$4,369,654	\$2,868,506
Velvets:—			
Yards.....	10,693,583	7,262,315	5,122,249
Value.....	\$4,767,990	\$3,161,206	\$2,479,903
Flushes:—			
Yards.....	2,759,411	2,547,367	3,848,684
Value.....	\$2,104,768	\$1,340,815	\$2,408,068
Tapestries and upholstery:—			
Yards.....	226,717	1,706,210	1,333,119
Value.....	\$382,820	\$1,559,982	\$1,009,835
Ribbons:—			
Laces, nets, veils, veiling, etc.....	\$32,744,873	\$21,890,604	\$18,467,179
Embroideries.....	\$1,350,850	\$745,489	\$409,104
Fringes and trims.....	\$485,322	\$412,362	\$37,625
Braidings and bindings.....	\$284,527	\$1,016,564	\$444,787
Trimnings.....	\$4,483,248	\$5,406,977	\$1,522,565
Machine twist:—			
Pounds.....	1,088,780	932,988	687,917
Value.....	\$6,341,719	\$5,221,055	\$5,997,974
Sewings, embroidery, wash, fringe, and floss silks:—			
Pounds.....	747,246	811,711	739,301
Value.....	\$4,179,355	\$4,625,016	\$4,248,216
Organizme and tram, for sale:—			
Pounds.....	2,740,319	2,025,645	2,408,387
Value.....	\$12,550,510	\$9,190,650	\$11,167,191
Spun silk, for sale:—			
Pounds.....	779,462	570,529	437,459
Value.....	\$2,164,966	\$1,660,647	\$1,026,227
All other products.....	\$4,495,675	\$5,227,800	\$1,027,472
Work done on materials for others.....	\$8,364,350	\$3,716,056	\$2,337,220

\* Does not include waste, noils, etc.

\* Not reported separately.

\* In addition, silk and silk goods to the value of \$1,218,101 were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

The increase in the cost of materials and in the value of products for the period 1899–1909 was 72.7 and 83.6 per cent, respectively. Considerable duplication occurs in the total cost of materials and in the total value of products shown in the preceding table. To eliminate this duplication the following method may be used: (1) organzine and tram, reported as material and product, is deducted from both materials and products, respectively; (2) spun silk, reported as a product, is deducted from both materials and products; (3) fringe and floss, reported as material, is deducted from both materials and products; and (4) amount received for contract work, reported as product, is deducted from products.

The total production of broad weaves in 1909 was 198,787,027 running yards, single width, valued at \$115,136,724, compared with 97,940,935 yards, valued at \$58,122,622, in 1899, the increase in quantity being 103 per cent and that in value 98.1 per cent. Broad silks formed over nine-tenths of all broad weaves in 1909, the increase in the output between 1899 and 1909 being 111.9 per cent. The increase in the output of all other broad weaves combined—velvets, plushes, tapestries, and upholsteries—was only 26.9 per cent.

In 1899 all-silk goods constituted 78.1 per cent of the broad-silk product, and silk-mixed goods 21.9 per cent, whereas in 1909 the proportion for the latter had risen to 38.1 per cent and that for the former had fallen to 61.9 per cent. The change was due to an increase during the decade of 268.9 per cent in the output of silk-mixed broad silks, while that for all-silk was only 67.9 per cent.

Between 1899 and 1909 the rate of increase in the

output of broad woven silk goods was much greater than that for either broad woven cotton or broad woven woolen goods, the increases for the three classes being 103, 40.3, and 33.8 per cent, respectively.

**Woolen and worsted goods.**—The following table presents statistics for establishments engaged primarily in the manufacture of woolen and worsted goods. The total value of products for the industry involves considerable duplication, due to the use of partly finished products of some establishments as material for others. In 1909 the establishments in this industry produced 570,743,797 square yards of woven goods, exclusive of upholstery goods and sundries, compared with 505,821,956 square yards in 1904 and 426,572,856 in 1899, the increase for the decade being 33.8 per cent. The value of these goods was \$296,447,594 in 1909, \$234,737,036 in 1904, and \$183,306,664 in 1899, an increase for the decade of 61.7 per cent. The highest rate of increase was reported for the all-wool woven group, the output of which increased 49.3 per cent in quantity. The output of unions decreased decidedly, while that of cotton-warp woven goods increased 37.6 per cent in quantity. The all-wool yardage constituted 56.6 per cent of the total in 1909 and 50.7 per cent in 1899, while the union yardage constituted 6.6 per cent of the total in 1909, as compared with 13.4 per cent in 1899. Cotton-warp fabrics formed about the same proportion of the total in both years—somewhat over one-third. There has thus been a considerable shift during the decade from the manufacture of cotton-mixed to that of all-wool goods.

Table 55	1909	1904	1899		1909	1904	1899
<b>MATERIALS.</b>				<b>MATERIALS—continued.</b>			
<b>Total cost.....</b>	<b>\$273,438,570</b>	<b>\$197,489,306</b>	<b>\$148,087,178</b>	<b>Yarns purchased:</b>			
Wool:				Woolen.....			
In condition purchased—				Pounds.....	931,222	5,750,088	5,906,862
Pounds.....	474,755,306	418,703,811	330,178,552	Cost.....	\$558,270	\$2,622,882	\$2,675,143
Cost.....	\$136,066,917	\$105,435,451	\$78,805,830	<b>Worsted—</b>			
Domestic.....				Pounds.....	59,148,771	31,047,516	25,110,939
Pounds.....	310,602,279	319,800,490	250,393,205	Cost.....	\$56,033,701	\$24,904,511	\$19,495,251
Cost.....	\$85,018,238	\$78,673,136	\$59,046,158	<b>Merino—</b>			
Foreign—				Pounds.....	1,971,709	2,458,085	3,634,679
Pounds.....	164,153,087	98,903,321	79,785,347	Cost.....	\$318,456	\$581,107	\$664,527
Cost.....	\$51,648,679	\$26,760,315	\$19,757,672	<b>Cotton—</b>			
Equivalent in soured condition, pounds.....	290,706,970	241,280,065	192,705,519	Pounds.....	39,169,388	32,598,072	35,342,726
Mohair, camel, alpaca, and vicuña hair:				Cost.....	\$10,492,185	\$8,432,773	\$6,814,279
Pounds.....	7,805,422	6,507,631	5,063,966	Silk and spun silk—			
Cost.....	\$2,399,123	\$1,957,981	\$1,857,707	Pounds.....	282,556	412,307	131,915
Cow and other animal hair:				Cost.....	\$1,142,663	\$1,679,883	\$529,789
Pounds.....	17,356,100	22,987,332	20,535,079	All other—			
Cost.....	\$932,911	\$1,369,776	\$1,170,756	Pounds.....	1,046,735	411,779	1,127,926
Cotton:				Cost.....	\$40,739	\$21,118	\$65,434
Pounds.....	30,024,061	32,613,908	40,244,710	Chemicals and dyestuffs.....	\$8,820,928	\$7,456,550	\$6,595,160
Cost.....	\$2,515,409	\$4,072,907	\$3,280,000	All other materials.....	\$25,464,278	\$18,086,162	\$15,307,551
Tailor's clippings, rags, etc.: Pounds.....	40,402,460	79,367,290	(1)	<b>PRODUCTS.</b>			
Cost.....	\$2,856,966	\$5,668,634	(1)	<b>Total value.....</b>	<b>\$419,743,521</b>	<b>\$307,941,710</b>	<b>\$238,744,502</b>
Shoddy, mungo, and wool extract purchased:				All-wool woven goods:			
Pounds.....	21,454,187	31,919,456	33,036,767	Square yards.....	322,944,365	260,567,488	216,359,702
Cost.....	\$3,058,214	\$4,472,666	\$4,070,836	Value.....	\$219,553,767	\$158,390,356	\$117,757,169
Waste and nolls of wool, mohair, camel's hair, etc., purchased:				Wool cloths, doekins, cassimeres, chevots, etc.—			
Pounds.....	26,473,311	26,632,838	15,714,171	Square yards.....	40,843,979	42,487,566	34,298,426
Cost.....	\$7,523,283	\$6,056,227	\$3,891,369	Value.....	\$29,291,039	\$29,656,252	\$22,645,869
Tops purchased:				Worsted coatings, serges, and suitings—			
Pounds.....	20,838,245	9,160,929	5,568,108	Square yards.....	119,655,069	59,592,811	54,033,679
Cost.....	\$14,614,527	\$5,073,078	\$2,865,546	Value.....	\$101,903,133	\$36,731,196	\$45,033,559

1 Not reported separately.

2 In addition, in 1909, woolen and worsted goods, to the value of \$1,281,292, and in 1904, to the value of \$362,966, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

Table 55—Continued.

	1909	1904	1899		1909	1904	1899
PRODUCTS—continued.				PRODUCTS—continued.			
All-wool woven goods—Continued.				Cotton-warp woven goods—Contd.			
Woolen overcoatings, cloakings, kerseys, etc.—				Worsted filling dress goods, cashmeres, serges, mohairs, etc.—			
Square yards.....	14,697,770	22,411,330	18,729,194	Square yards.....	65,112,981	49,393,369	45,741,011
Value.....	\$11,290,856	\$16,934,112	\$16,131,709	Value.....	\$14,798,965	\$12,711,354	\$10,423,296
Worsted overcoatings and cloakings—				Wool filling dress goods, and repellents—			
Square yards.....	654,404	1,057,068	877,133	Square yards.....	12,916,060	12,139,080	7,406,898
Value.....	\$821,688	\$946,170	\$567,530	Value.....	\$2,741,816	\$3,259,561	\$1,990,488
Wool dress goods, sackings, tricots, etc., and opera and similar flannels—				Donnet flannels and shirtings—			
Square yards.....	29,099,596	48,874,396	33,594,212	Square yards.....	4,571,765	4,285,838	4,555,013
Value.....	\$16,385,496	\$19,826,017	\$12,976,489	Value.....	\$911,967	\$769,476	\$976,465
Worsted dress goods, cashmeres, serges, bunting, etc.—				Linings, Italian cloths, and hatings—			
Square yards.....	105,801,349	66,428,825	57,712,086	Square yards.....	28,928,148	17,619,325	10,157,039
Value.....	\$54,030,376	\$27,802,181	\$16,316,392	Value.....	\$9,068,799	\$4,505,927	\$2,228,434
Carriage cloths—				Blankets—			
Square yards.....	1,782,855	1,741,765	1,220,408	Square yards.....	9,746,841	9,267,114	11,107,164
Value.....	\$947,562	\$964,557	\$606,999	Value.....	\$2,684,919	\$2,218,243	\$2,241,342
Flannels for underwear—				Horse blankets—			
Square yards.....	3,856,353	8,710,131	9,324,720	Square yards.....	4,210,098	6,307,836	5,702,315
Value.....	\$1,257,371	\$2,045,858	\$2,344,559	Value.....	\$1,676,942	\$1,063,154	\$1,232,824
Blankets—				Carriage robes—			
Square yards.....	5,137,903	7,316,179	5,454,173	Square yards.....	2,889,444	1,399,166	1,250,233
Value.....	\$3,228,797	\$2,751,029	\$2,316,968	Value.....	\$1,396,595	\$1,139,217	\$815,233
Horse blankets—				All other—			
Square yards.....	247,395	740,237	514,952	Square yards.....	327,664	.....	32,576
Value.....	\$185,430	\$148,219	\$236,211	Value.....	\$1,996,330	\$1,625,233	\$14,150
Woven shawls—				Upholstering goods and sundries—			
Square yards.....	704,153	895,777	690,104	Woolen and worsted—			
Value.....	\$404,583	\$357,370	\$300,525	Square yards.....	1,176,542	1,060,739	447,568
All other—				Value.....	\$1,528,648	\$908,867	\$742,121
Square yards.....	463,179	310,603	615	All other—			
Value.....	\$167,194	\$257,375	\$510	Partially manufactured products for sale.....	\$115,032,485	\$96,466,672	\$47,589,422
Union, or cotton mixed, woven goods—				Yarns—			
Square yards.....	37,453,351	63,197,407	57,334,570	Woolen—			
Value.....	\$14,327,973	\$26,288,407	\$23,111,696	Pounds.....	28,520,493	42,878,320	32,699,851
Unions, tweeds, chevots, cassimeres, etc.—				Value.....	\$7,505,412	\$0,903,894	\$6,804,426
Square yards.....	18,917,478	35,103,110	30,707,915	Worsted—			
Value.....	\$7,720,854	\$15,050,726	\$13,695,830	Pounds.....	88,323,953	55,475,235	143,003,343
Overcoatings and cloakings—				Value.....	\$80,335,543	\$40,142,077	\$30,081,425
Square yards.....	4,281,739	5,373,053	6,087,366	Woolen, union or merino—			
Value.....	\$2,363,381	\$3,353,758	\$3,518,613	Pounds.....	10,249,625	\$8,244,064	.....
Sackings, tricots, dress goods, and opera and similar flannels—				Value.....	\$2,143,416	\$2,538,018	15,974,567
Square yards.....	4,319,539	11,690,740	11,176,752	Worsted, union or merino—			
Value.....	\$1,776,721	\$4,926,596	\$3,969,584	Pounds.....	3,761,737	3,314,549	\$4,965,125
Flannels for underwear—				Value.....	\$3,522,812	\$2,460,558	.....
Square yards.....	7,063,572	7,273,701	6,217,094	All other—			
Value.....	\$1,308,369	\$1,528,828	\$1,281,578	Pounds.....	3,195,555	2,799,060	4,536,105
Blankets—				Value.....	\$974,570	\$1,162,795	\$1,451,390
Square yards.....	1,717,758	3,114,110	1,530,696	Worsted tops and slubbing—			
Value.....	\$660,714	\$1,198,706	\$561,649	Pounds.....	11,321,279	4,772,852	( )
All other—				Value.....	\$8,027,231	\$2,855,171	( )
Square yards.....	1,153,265	642,633	1,554,747	Noils—			
Value.....	\$447,934	\$229,693	\$381,442	Pounds.....	27,479,293	15,379,600	12,376,843
Cotton-warp woven goods:				Value.....	\$8,958,589	\$4,865,976	\$3,354,187
Square yards.....	210,346,081	182,057,061	152,878,584	Waste—			
Value.....	\$92,265,854	\$50,658,293	\$42,437,799	Pounds.....	24,057,580	17,946,076	8,163,294
Wool filling cassimeres, doekskins, jeans, tweeds, coatings, etc.—				Value.....	\$3,524,912	\$2,448,153	\$1,229,669
Square yards.....	45,244,866	34,602,165	37,160,449	All other products.....	\$3,250,857	\$9,924,232	\$3,019,906
Value.....	\$12,107,320	\$10,877,081	\$11,024,538	Work on materials for others.....	\$3,026,255	\$1,188,537	\$1,568,783
Worsted filling cassimeres, doekskins, jeans, tweeds, coatings, etc.—				MACHINERY.			
Square yards.....	29,220,252	16,688,620	12,663,719	Sets of cards.....	6,315	6,990	75,605
Value.....	\$15,009,081	\$6,969,402	\$7,267,508	Woolen.....	4,590	5,178	.....
Wool filling overcoatings and cloakings—				Worsted.....	1,351	1,387	.....
Square yards.....	2,075,502	8,198,406	3,917,498	Cotton.....	234	425	.....
Value.....	\$771,879	\$2,478,878	\$1,430,420	Spindles.....	4,287,640	3,747,934	3,277,607
Satinets and linings—				Producing.....	3,553,194	3,228,423	2,873,528
Square yards.....	5,102,460	22,339,112	13,051,729	Doubling and twisting.....	734,446	519,511	604,679
Value.....	\$912,182	\$4,074,800	\$2,873,181	Looms, all classes.....	72,532	63,867	61,395
				Wool-combing machines.....	1,978	1,440	1,317

\* Worsted tops and slubbing included with worsted yarn.

\* Cards not fully reported.

## IRON AND STEEL.

Tables 56 to 61, inclusive, present statistics for blast furnaces, steel works and rolling mills, tin and terne plate plants, and wire mills. In many establishments other industries are carried on in connection with the operations of steel works and rolling mills. In these cases a separation of the data for the industries as defined by the Census Bureau was secured by taking separate reports for the different departments of the respective establishments. In this way the statistics for blast furnaces operated in connection with steel

works were segregated and combined with those for furnaces independently operated, and the statistics for the tin and terne plate dipping departments of establishments which also roll the black plate were separated and combined with those for establishments which dip only purchased plate. Statistics for the finished wire products of mills which roll wire rods as well as draw wire and manufacture wire nails, fencing, etc., were secured and are given in combination with those for wire mills which manufacture only from purchased wire rods. The finished wire products manu-

factured in rolling mills are, however, included in the products of these mills, so that the statistics for wire mills and rolling mills to this extent duplicate each other. It should also be explained that the rolling-mill departments of tin andterne plate establishments are credited with their entire output of black plate, as if it were produced for sale instead of for further treatment at the same establishment.

**Blast furnaces.**—The statistics for the blast-furnace industry are given in the following table.

In 1909, 25,651,798 tons of pig iron, valued at \$387,830,443, were produced and in 1899, 14,447,791 tons, valued at \$206,512,755, the increase in quantity during the decade being 77.5 per cent and that in value 87.8 per cent. Since 1904 was a year of par-

tial depression in the iron and steel industry and the pig-iron product was less in that year than in 1903 or 1902, neither the small increases shown in quantity and value for 1904 as compared with 1899 nor the large increases shown for 1909 as compared with 1904 are representative of the normal rate of growth for the industry. Features in the development of the industry are the increase in the proportion of pig iron produced for consumption in other departments of the works of the producing company and the increase in the proportion of the product passed on in a molten condition to undergo further processes without being cast into pigs. The *ton of 2,240 pounds* is used in showing quantities except when otherwise stated.

Table 56				1909	1901 <sup>1</sup>	1899 <sup>1</sup>
MATERIALS.						
<b>Total cost.....</b>				<b>\$320,637,889</b>	<b>\$178,941,918</b>	<b>\$131,503,655</b>
Iron ore:						
Tons.....				48,353,677	30,032,802	25,366,894
Cost.....				\$187,264,601	\$100,945,369	\$65,902,922
Domestic—						
Tons.....				46,665,990	29,202,944	24,612,511
Cost.....				\$117,589,769	\$96,206,246	\$61,756,473
Foreign—						
Tons.....				1,747,747	829,918	754,383
Cost.....				\$9,674,812	\$4,739,123	\$4,107,449
Millcinder, scrap, etc.						
Tons.....				1,982,530	1,865,385	1,600,313
Cost.....				\$5,544,859	\$3,830,961	\$3,772,385
Fluxes:						
Tons.....				13,570,845	8,325,209	7,324,743
Cost.....				\$12,293,493	\$6,888,647	\$5,054,725
Fuel, <sup>2</sup>						
Coke—						
Tons (2,000 pounds).....				31,436,536	19,739,671	16,461,533
Cost.....				\$102,134,423	\$57,126,997	\$38,976,770
Charcoal—						
Bushels.....				38,032,618	37,273,569	30,677,585
Cost.....				\$2,787,026	\$2,521,887	\$1,833,881
Anthracite coal <sup>3</sup> —						
Tons.....				265,401	560,637	886,564
Cost.....				\$904,102	\$1,812,779	\$2,297,419
Bituminous coal <sup>4</sup> —						
Tons.....				102,833	801,640	832,235
Cost.....				\$168,561	\$1,340,997	\$1,101,312
All other materials.....				\$9,594,824	\$4,474,281	\$12,574,241
PRODUCTS.						
<b>Total value.....</b>				<b>\$391,423,283</b>	<b>\$231,822,707</b>	<b>\$206,766,557</b>
Pig iron:						
Tons.....				25,651,798	16,623,625	14,447,791
Value.....				\$387,830,443	\$228,911,116	\$206,512,755
All other products.....				\$3,598,840	\$2,911,591	\$243,802
<i>Pig iron, classified according to fuel used:</i>						
Bituminous, chiefly coke—						
Tons.....				424,608,572	14,909,029	12,253,818
Value.....				\$369,684,636	\$203,814,049	\$173,763,091
Anthracite coal and coke mixed and anthracite alone—						
Tons.....				670,991	1,305,094	1,841,857
Value.....				\$10,992,150	\$18,103,982	\$26,678,705
Charcoal—						
Tons.....				372,235	409,502	332,116
Value.....				\$7,185,657	\$6,993,085	\$6,070,959
<i>Pig iron, classified according to disposition:</i>						
Produced for consumption in works of company reporting—						
Tons.....				15,855,203	9,926,545	(*)
Value.....				\$239,387,017	\$138,867,586	(*)
PRODUCTS—continued.						
<i>Pig iron, classified according to disposition—Continued.</i>						
Produced for sale—						
Tons.....				9,793,595	6,697,080	(*)
Value.....				\$148,443,420	\$90,043,530	(*)
<i>Pig iron, classified by grades (tons):</i>						
Bessemer, (0.04 to 0.10 per cent in phosphorus).....				10,147,052	8,894,584	8,475,530
Low phosphorus (below 0.04 per cent in phosphorus).....				248,720	192,795	(*)
Basic.....				7,741,759	2,553,940	337,439
Foundry.....				5,539,410	3,675,310	3,510,300
Forge or mill.....				586,685	601,677	1,057,616
Malleable Bessemer.....				934,211	316,964	(*)
Wrought, mottled, and miscellaneous.....				110,810	98,627	208,323
Direct castings.....				16,181	9,469	7,123
Ferrous alloys.....				326,970	280,259	251,460
Spiegeleisen.....				142,223	169,630	163,672
Ferromanganese.....				82,208	57,072	51,578
Ferrosilicon, including Bessemer ferrosilicon (7 per cent or over in silicon) and ferrophosphorus.....				102,539	53,557	35,910
<i>Pig iron, classified by method of delivery or casting (tons):</i>						
Delivered in molten condition.....				12,197,686	5,898,744	(*)
Sand cast.....				7,655,568	6,078,844	(*)
Machine cast.....				5,096,797	4,307,108	(*)
Chill cast.....				685,566	329,569	(*)
Direct castings.....				16,181	9,469	7,123
EQUIPMENT.						
Furnaces in active establishments:						
Completed stacks at end of year—						
Number.....				388	343	343
Daily capacity, tons.....				101,447	78,180	54,425
Active during the year—						
Number.....				370	317	325
Daily capacity, tons.....				98,973	75,884	(*)
In course of construction at end of year—						
Number.....				10	4	16
Daily capacity, tons.....				4,100	1,375	7,275
Pig-casting machines, number.....				104	(*)	(*)
Granulated slag pits:						
Number.....				85	47	(*)
Annual capacity, tons.....				5,699,259	3,338,200	(*)
Gas engines operated with blast-furnace gas:						
Number.....				85	(*)	(*)
Horsepower.....				198,040	(*)	(*)

<sup>1</sup> Not including the statistics for a blast furnace operated by a penal institution.

<sup>2</sup> The figures for 1909 cover fuel for smelting only; those for 1904 and 1899 include fuel for steam raising.

<sup>3</sup> Not including 2,486,700 bushels of charcoal and its value, the cost of stumpage and labor being reported as expense.

<sup>4</sup> Coal and coke mixed, 86,420 tons; balance coke.

<sup>5</sup> Includes 22,622 tons of mixed charcoal and coke pig iron.

<sup>6</sup> Not reported.

**Steel works and rolling mills.**—Table 57 presents comparative statistics of steel works and rolling mills, including those of forges and bloomeries. Section I of the table deals with materials. The second section deals with products. It shows separately each of the products properly designated as rolled and forged steel

and iron, but contains also a miscellaneous item, which includes the value added to such products in their conversion into more highly manufactured articles by the same establishment, so that the total includes the entire value of output of the establishments in the industry. This total and also the separate total for

rolled and forged products alone include no duplication of quantity or value of products within any given establishment itself, but there is considerable duplication due to the use of the product of one establishment as raw material for another establishment, whether the latter be owned by a separate concern or by the same company.

Section III of the table, headed "Steel," gives the entire quantity of crude steel produced by the steel works, including that subjected to further processes of manufacture whether by the establishment in which produced or by other establishments. The value of this steel appears, therefore, distributed among various items under Section II. Section IV of the table gives in detail the quantity and value of the more highly elaborated products made by the rolling mills themselves from the rolling-mill products specified in Section II. The entire value of these products appears in Section II, either as part of the various items of rolled products or in the miscellaneous item of value added to rolling-mill products by further manufacture. The fifth section of the table deals with products sold for export by rolling-mill concerns; it includes only the products so sold directly by the establishments producing them and not such as may be sent abroad by others who purchase from the manufacturer. The sixth section deals with equipment.

In 1909 the rolled, forged, and cast-steel products specifically classified aggregated 26,723,274 tons, valued at \$863,342,711, and in 1899, 15,055,626 tons, valued at \$510,906,040, the increase in tonnage being 77.5 per cent and in value 69 per cent. The *ton of 2,240 pounds* is used in showing quantities except when otherwise stated.

Table 57			
I. MATERIALS.			
	1909	1901	1899
<b>Total cost.....</b>	<b>\$657,500,556</b>	<b>\$441,204,432</b>	<b>\$390,895,277</b>
<b>Iron and steel:<sup>1</sup></b>			
<b>For furnaces and hot rolls—</b>			
Tons.....	39,388,735	22,235,682	18,414,717
Cost.....	\$515,769,588	\$349,971,512	\$315,726,895
<b>Pig iron and ferroalloys—</b>			
Tons.....	19,076,889	12,191,228	10,411,281
Cost.....	\$297,471,122	\$172,101,436	\$151,064,348
<b>Pig iron—</b>			
Tons.....	18,712,304	(2)	(2)
Cost.....	\$282,063,740	(2)	(2)
<b>Ferroalloys—spiegeleisen, ferromanganese, etc.—</b>			
Tons.....	364,585	(2)	(2)
Cost.....	\$14,807,382	(2)	(2)
<b>Scrap, including old rails not intended for re-rolling—</b>			
Tons.....	4,803,617	5,124,277	4,126,980
Cost.....	\$72,722,831	\$67,601,248	\$66,852,621
<b>Ingot, blooms, billets, slabs, muck and scrap bar, re-rolling rails, and sheet and tin-plate bars—</b>			
Tons.....	6,508,249	4,930,177	3,876,456
Cost.....	\$145,575,635	\$110,268,828	\$97,509,526
<b>Rolled forms for further manufacture—</b>			
Skelp—			
Tons.....	176,717	259,643	(2)
Cost.....	\$5,704,556	\$7,331,935	(2)
Wire rods—			
Tons.....	146,425	161,914	136,725
Cost.....	\$4,252,695	\$4,774,383	\$5,419,617
<b>Muck rods—</b>			
Tons.....	835,338	549,995	346,310
Cost.....	\$4,292,963	\$2,396,792	\$1,348,809
<b>Iron ore:</b>			
Tons.....	835,338	549,995	346,310
Cost.....	\$4,292,963	\$2,396,792	\$1,348,809
<b>All other materials.....</b>	<b>\$127,480,754</b>	<b>\$76,729,810</b>	<b>\$68,399,956</b>

Table 57—Continued.

	1909	1904	1899
II. PRODUCTS.			
<b>Total value.....</b>	<b>\$895,722,534</b>	<b>\$673,965,026</b>	<b>\$587,211,718</b>
<b>Rolled, forged, and otherwise classified products, steel and iron:</b>			
Tons.....	26,723,274	18,218,233	15,055,626
Value.....	\$863,342,711	\$585,288,243	\$510,906,040
<b>Rails—</b>			
Tons.....	2,858,599	42,194,005	42,251,337
Value.....	\$81,128,295	\$58,256,750	\$46,533,159
<b>Bessemer steel—</b>			
Tons.....	1,643,527	2,065,024	
Value.....	\$44,727,515	\$54,627,488	
<b>Open-hearth steel, basic—</b>			
Tons.....	1,215,072	128,681	2,250,457
Value.....	\$36,400,780	\$3,008,562	\$46,501,979
<b>Re-rolled or renewed rails—</b>			
Tons.....	106,352	99,530	(2)
Value.....	\$2,683,017	\$2,480,328	(2)
<b>Rail fastenings (splice bars, tie plates, fishplates, etc.)—</b>			
Tons.....	396,911	174,055	(2)
Value.....	\$14,488,412	\$5,663,052	(1)
<b>Structural shapes, not including plates used for making girders—</b>			
Tons.....	2,123,630	954,537	856,983
Value.....	\$65,564,593	\$32,730,901	\$29,361,522
<b>Steel—</b>			
Tons.....	2,102,300	950,062	829,892
Value.....	\$64,853,466	\$32,585,701	\$28,309,966
<b>Open-hearth—</b>			
Tons.....	1,934,230	618,391	566,092
Value.....	\$59,799,948	\$21,496,531	\$19,928,249
<b>Bessemer—</b>			
Tons.....	168,070	331,671	263,800
Value.....	\$5,083,518	\$11,089,170	\$8,381,717
<b>Iron—</b>			
Tons.....	21,330	4,475	27,091
Value.....	\$711,127	\$145,209	\$1,051,556
<b>Bars and rods, including merchant, shovel, finger, and horse-shoe bars, spike, chain bolt, and nut rods, etc. (but not including wire rods, sheet and tin-plate bars, splice bars, and bars for reinforced concrete):</b>			
Tons.....	3,784,248		
Value.....	\$121,488,423	2,442,810	2,493,159
<b>Bars for reinforced concrete:</b>			
Tons.....	191,358	\$84,069,122	\$100,597,221
Value.....	\$5,588,963		
<b>Wire rods:</b>			
Tons.....	2,295,279	1,792,704	916,587
Value.....	\$61,947,858	\$52,965,061	\$35,529,529
<b>Plates and sheets, not including black plates or sheets for tinning, nail and tack plates, tie plates, fishplates or armor plates:</b>			
Tons.....	3,332,733	1,856,469	1,488,066
Value.....	\$133,272,393	\$77,502,001	\$68,109,223
<b>Black plates, or sheets, for tinning:</b>			
Tons.....	631,435	504,025	394,014
Value.....	\$30,955,967	\$25,297,079	\$20,967,806
<b>Skelp, flue and pipe:</b>			
Tons.....	2,084,286	1,557,690	
Value.....	\$64,514,728	\$46,780,202	1,195,180
<b>Hoops, bands, and cotton ties:</b>			
Tons.....	341,043	337,223	\$49,159,747
Value.....	\$10,429,681	\$12,769,010	
<b>Nail and tack plates:</b>			
Tons.....	68,557	86,601	97,664
Value.....	\$2,540,022	\$2,462,076	\$3,116,558
<b>Axles, car, locomotive, automobile, wagon, carriage, etc., rolled or forged:</b>			
Tons.....	102,348	\$3,585	102,606
Value.....	\$3,831,344	\$2,875,529	\$4,482,837
<b>Armor plates, gun forgings, and ordnance:</b>			
Tons.....	26,845	24,433	15,302
Value.....	\$10,649,079	\$10,549,620	\$7,526,479
<b>Blooms, billets, and slabs, produced for sale or for transfer to other works of same company:</b>			
Tons.....	4,887,796		
Value.....	\$108,514,747		
<b>Rolled forging blooms and billets produced for sale or for transfer to other works of same company:</b>			
Tons.....	84,383	4,823,585	4,172,286
Value.....	\$2,247,133	\$169,611,104	\$96,321,887
<b>Sheet and tin-plate bars produced for sale or for transfer to other works of same company:</b>			
Tons.....	1,652,761		
Value.....	\$37,745,269		
<b>Muck and scrap bar produced for sale or for transfer to other works of same company:</b>			
Tons.....	174,496	150,926	203,681
Value.....	\$4,986,211	\$3,940,998	\$5,940,587
<b>All other rolled steel or iron:</b>			
Tons.....	566,627	377,665	506,880
Value.....	\$39,570,061	\$16,743,727	\$19,202,606

For footnotes, see page 410.

Table 57—Continued.	1909	1904	1899	1909	1904	1899
<b>B. PRODUCTS—continued.</b>						
Rolled, forged, and other classified products, steel and iron—Continued.						
Inputs produced for sale or for transfer to other works of same company:						
Tons.....	142,745	196,404	163,707			
Value.....	\$3,593,726	\$3,983,310	\$2,781,145			
Direct steel castings:						
Tons.....	504,856	287,325	177,156			
Value.....	\$38,862,448	\$20,600,136	\$14,609,893			
All other forged steel and iron, not including remanufactures of rolling-mill products:						
Tons.....	365,986	274,061	81,009			
Value.....	\$18,740,241	\$15,684,967	\$6,665,741			
All other products.....	\$122,379,823	\$88,676,783	\$86,305,676			
Miscellaneous steel and iron products not rolled, including value added to iron and steel rolling-mill products by further manufacture:						
Scrap steel or iron produced for sale or for transfer to other works of same company:						
Tons.....	1,238,554	877,177	( <sup>1</sup> )			
Value.....	\$18,163,624	\$11,079,831	( <sup>1</sup> )			
All products other than steel and iron.....	\$17,681,830	\$15,619,668	( <sup>1</sup> )			
<b>III. STEEL.</b>						
Total production:						
Tons.....	4,233,473,718	4,136,666,498	10,683,000			
Value (included above).....	\$478,736,988	\$260,884,712	\$212,338,875			
Classified according to process:						
Open-hearth—						
Tons.....	14,192,278	5,817,957	3,044,356			
Value.....	\$293,528,201	\$120,322,707	\$71,853,172			
Basic—						
Tons.....	13,210,419	5,062,152	2,153,835			
Value.....	\$262,529,822	\$94,390,927	\$43,509,506			
Acid—						
Tons.....	981,859	755,805	890,521			
Value.....	\$30,998,379	\$25,931,780	\$28,345,666			
Bessemer—						
Tons.....	9,174,067	7,768,141	7,532,028			
Value.....	\$177,064,776	\$134,549,530	\$132,113,984			
Crucible and miscellaneous—						
Tons.....	107,373	80,310	108,616			
Value.....	\$3,144,011	\$6,012,425	\$8,569,719			
Classified according to form:						
Ingots—						
Tons.....	22,968,862	13,379,083	10,507,844			
Value.....	\$439,874,540	\$240,284,576	\$197,828,982			
Castings—						
Tons.....	504,856	287,325	177,156			
Value.....	\$38,862,448	\$20,600,136	\$14,609,893			
Duplex process—open-hearth steel partly purified in Bessemer converters before finishing in open-hearth furnaces (included above), tons.....	522,682	( <sup>1</sup> )	( <sup>1</sup> )			
Alloyed steels, nickel, tungsten, titanium, chrome, vanadium, etc. (included above), tons.....	158,216	( <sup>1</sup> )	( <sup>1</sup> )			
Classified according to process:						
Open-hearth.....	100,335	( <sup>1</sup> )	( <sup>1</sup> )			
Basic.....	86,242	( <sup>1</sup> )	( <sup>1</sup> )			
Acid.....	14,093	( <sup>1</sup> )	( <sup>1</sup> )			
Bessemer.....	45,324	( <sup>1</sup> )	( <sup>1</sup> )			
Crucible and miscellaneous.....	12,557	( <sup>1</sup> )	( <sup>1</sup> )			
Classified according to form:						
Ingots.....	151,300	( <sup>1</sup> )	( <sup>1</sup> )			
Castings.....	6,916	( <sup>1</sup> )	( <sup>1</sup> )			
<b>IV. MANUFACTURES FROM ROLLING-MILL PRODUCTS.</b>						
(Made in mill producing value previously included.)						
Wire and wire products:						
Tons (200 pounds).....	1,634,855	1,416,494	879,296			
Value.....	\$71,624,024	\$67,551,443	\$47,728,784			
Pipes and tubes:						
Wrought welded—						
Tons.....	1,314,771	\$49,047	( <sup>1</sup> )			
Value.....	\$68,471,573	\$43,985,728	( <sup>1</sup> )			
Seamless, hot-rolled or drawn—						
Tons.....	54,273					
Value.....	\$5,650,739					
All other, including cladded, riveted, etc., but not including cast:						
Tons.....	17,561					
Value.....	\$986,099					
Bolts, nuts, rivets, forged spikes, washers, etc.:						
Tons.....	4,471,985	3,105,827	( <sup>1</sup> )			
Value.....	\$20,538,858	\$19,834,635	( <sup>1</sup> )			
Cut nails and spikes:						
Tons.....	1,009,319	1,311,549	1,658,443			
Value.....	\$2,213,207	\$2,394,108	\$3,292,063			
<b>IV. MANUFACTURES FROM ROLLING-MILL PRODUCTS—continued.</b>						
Horse and mule shoes:						
Keys (200 pounds).....	996,383	768,253	( <sup>1</sup> )			
Value.....	\$7,292,897	\$5,483,137	( <sup>1</sup> )			
Springs, car, furniture, and all other, not including wire springs:						
Tons.....	6,191	22,622	( <sup>1</sup> )			
Value.....	\$374,924	\$1,708,652	( <sup>1</sup> )			
Switches, frogs, crossings, etc.:						
Tons.....	28,608	( <sup>1</sup> )	( <sup>1</sup> )			
Value.....	\$2,471,008	( <sup>1</sup> )	( <sup>1</sup> )			
Galvanized plates or sheets:						
Tons.....	431,658	( <sup>1</sup> )	( <sup>1</sup> )			
Value.....	\$25,912,056	( <sup>1</sup> )	( <sup>1</sup> )			
Stamped ware:						
Tons.....	24,612	( <sup>1</sup> )	( <sup>1</sup> )			
Value.....	\$2,296,707	\$292,923	( <sup>1</sup> )			
Shovels, spades, scoops, etc.:						
Tons.....	\$400,321	\$410,500	( <sup>1</sup> )			
<b>V. PRODUCTS SOLD FOR EXPORT.</b>						
(By establishments producing.)						
Total tons.....	867,646	( <sup>1</sup> )	( <sup>1</sup> )			
Rails.....	317,455	( <sup>1</sup> )	( <sup>1</sup> )			
Rail fastenings.....	20,118	( <sup>1</sup> )	( <sup>1</sup> )			
Pipes and tubes, wrought welded.....	89,377	( <sup>1</sup> )	( <sup>1</sup> )			
Sheet and tin-plate bars.....	85,123	( <sup>1</sup> )	( <sup>1</sup> )			
Plates and sheets.....	80,706	( <sup>1</sup> )	( <sup>1</sup> )			
Galvanized plates or sheets.....	79,246	( <sup>1</sup> )	( <sup>1</sup> )			
Structural shapes.....	68,764	( <sup>1</sup> )	( <sup>1</sup> )			
Bars and rods.....	48,938	( <sup>1</sup> )	( <sup>1</sup> )			
Wire rods.....	18,738	( <sup>1</sup> )	( <sup>1</sup> )			
Blooms, billets, and slabs.....	15,621	( <sup>1</sup> )	( <sup>1</sup> )			
Skelp.....	16,703	( <sup>1</sup> )	( <sup>1</sup> )			
Miscellaneous.....	29,457	( <sup>1</sup> )	( <sup>1</sup> )			
<b>VI. EQUIPMENT.</b>						
Steel plants: Daily capacity of steel furnaces and converters, tons of steel, double turn.....	108,716	76,482	53,745			
Open-hearth furnaces—						
Number.....	687	481	307			
Daily capacity, tons of steel, double turn.....	61,601	34,243	18,245			
Basic—						
Number.....	549	339	168			
Daily capacity, tons of steel, double turn.....	55,273	26,902	12,151			
Acid—						
Number.....	138	142	139			
Daily capacity, tons of steel, double turn.....	6,328	7,341	6,094			
Converters, Bessemer or modified Bessemer—						
Number.....	101	81	70			
Daily capacity, tons of steel, double turn.....	48,823	41,448	34,925			
Crucible furnaces—						
Number.....	257	146	159			
Number of pots that can be used at a heat.....	3,840	2,457	2,528			
Daily capacity, tons of steel, double turn.....	840	633	575			
All other steel furnaces—						
Number.....	16	36	( <sup>1</sup> )			
Daily capacity, tons of steel, double turn.....	292	98	56			
Metal mixers—						
Number.....	59	( <sup>1</sup> )	( <sup>1</sup> )			
Capacity, tons.....	14,343	( <sup>1</sup> )	( <sup>1</sup> )			
Rolling mills: Daily capacity of rolled steel and iron, double turn, tons.....	150,403	105,591	86,964			

<sup>1</sup> Includes materials purchased or transferred to the establishment reporting from other works of the company.

<sup>2</sup> Not reported separately.

<sup>3</sup> In addition, steel castings and rolled steel valued at \$6,627,009 in 1909 and \$347,294 in 1904 were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>4</sup> Includes 900 tons of iron rails, valued at \$20,700, in 1904, and 880 tons, valued at \$31,180, in 1899.

<sup>5</sup> Includes 119,688 tons of steel, valued at \$4,537,625, not distributable by kind into open-hearth or Bessemer.

<sup>6</sup> In addition, 49,481 tons of steel, valued at \$4,140,344, in 1909, and 4,184 tons, valued at \$347,294, in 1904, distributed as to tonnage as indicated below, were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation:

	1909	1904
Tons of steel.....	49,481	4,184
Classified according to process:		
Open-hearth.....	36,099	2,440
Bessemer.....	6,066	774
Crucible and miscellaneous.....	7,316	970
Classified according to form:		
Ingots.....	5,102	
Castings.....	44,379	4,184

<sup>7</sup> Not reported.

The following table gives, for 1909, statistics of materials consumed, classified as purchased or as produced by the establishment consuming, and statistics of products, classified as sold or as consumed by the establishment producing. This information was not secured at former censuses. Eighty per cent of the pig iron used was made in blast furnaces operated by the consumer. The difference between the 15,252,736 tons of pig-iron material reported as produced by the consumer and the 15,858,203 tons reported in the table for blast furnaces as made for consumption in works of the producer—a little over 600,000 tons—represents the consumption in foundries and other shops owned by the producing companies but not covered by the preceding table.

Table 58

MATERIAL.	QUANTITY (TONS).			
	Total.	Produced by the company reporting—		Purchased.
		In the works where consumed.	Transferred to other works of the company.	
<i>Produced and purchased.</i>				
Pig iron and ferroalloys.....	15,076,889	15,252,736	3,824,153	
Pig iron.....	18,712,304	15,108,244	3,604,060	
Ferroalloys—spiegeleisen, ferromanganese, etc.....	364,585	144,492	220,093	
Scrap.....	9,929,710	5,126,093	773,843	4,029,774
Ingot, blooms, billets, slabs, muck and scrap bar, rolling rails, and sheet and tin-plate bars, not produced in the works.....	6,508,249		3,080,672	3,427,577
Skelp.....	1,578,290	1,401,573	35,221	141,496
Wire rods.....	1,465,221	1,318,796	128,291	18,134
PRODUCT.	QUANTITY (TONS).			
	Total.	For consumption—		For sale.
		In the works producing.	Transferred to other works of the company.	
<i>Consumed and sold.</i>				
Steel ingots.....	22,968,862	22,826,117	112,301	30,444
Open-hearth.....	15,725,783	13,626,241	72,433	27,109
Basic.....	12,932,849	12,864,014	69,815	18,611
Acid.....	772,943	761,727	2,618	8,598
Bessemer.....	9,145,542	9,103,816	39,726	2,000
Craucible and miscellaneous.....	97,537	86,060	142	1,335
Blooms, billets, and slabs.....	16,293,418	11,375,622	3,045,977	1,841,819
Rolling forging blooms and billets.....	160,997	76,614		84,383
Muck and scrap bar.....	1,366,324	1,191,828	29,065	154,431
Sheet and tin-plate bars.....	2,091,398	441,637	27,353	1,622,408
Bars and rods.....	3,784,248	632,679	465,161	3,151,569
Wire rods.....	2,295,279	1,318,796		511,322
Plates and sheets.....	3,332,733	463,665	61,954	2,807,114
Black plates and sheets.....	631,435		575,169	56,275
Skelp.....	2,084,286	1,401,573	102,027	580,686
Nail and tack plates.....	68,557	42,690		25,867
Miscellaneous rolled iron or steel.....	462,071	66,581	2,113	393,377
Miscellaneous forged iron or steel.....	365,986	64,548		391,438
Scrap.....	6,364,647	5,126,093	398,436	840,118

industry has taken place almost entirely within the last 20 years, the production in 1891 being only about 2,236,000 pounds, or less than one five-hundredth of the 1909 output.

Table 59

	1909	1904	1899
MATERIALS.			
Total cost.....	\$41,889,434	\$31,375,714	\$26,728,150
Black plates or sheets:			
Pounds.....	1,321,671,691	1,019,609,657	827,915,599
Cost.....	\$28,981,151	\$22,992,006	\$20,668,848
Produced by the establishment reporting:			
Pounds.....	1,291,048,109	943,798,583	(9)
Cost.....	\$28,245,234	\$21,154,388	(9)
Purchased:			
Pounds.....	30,623,582	75,810,074	(9)
Cost.....	\$735,917	\$1,837,618	(9)
Coating materials:			
Pounds.....	19,927,759	32,445,104	27,154,258
Cost.....	\$9,679,037	\$7,075,722	\$4,927,090
Tin, including tin contents of terne mixture purchased—			
Pounds.....	31,077,651	24,243,851	20,282,778
Cost.....	\$8,235,718	\$6,709,164	\$4,528,473
Lead, including lead contents of terne mixture purchased—			
Pounds.....	9,850,108	8,301,253	6,871,450
Cost.....	\$434,319	\$369,558	\$398,617
In condition purchased—			
Pig tin—			
Pounds.....	28,586,267	(9)	(9)
Cost.....	\$8,430,794	(9)	(9)
Pig lead—			
Pounds.....	2,708,496	(9)	(9)
Cost.....	\$117,656	(9)	(9)
Terne mixture—			
Pounds.....	9,632,996	(9)	(9)
Cost.....	\$1,061,587	(9)	(9)
All other materials.....	\$3,238,246	\$1,807,986	\$1,132,212
PRODUCTS.			
Total value.....	\$47,969,645	\$35,283,360	\$31,892,011
Tin and terne plates:			
Pounds.....	1,315,313,132	1,026,384,851	849,004,022
Value.....	\$45,815,146	\$34,549,543	\$31,284,145
Tin plates—			
Pounds.....	1,123,968,875	867,526,985	707,718,233
Value.....	\$88,259,885	\$58,129,971	\$25,553,021
Terne plates—			
Pounds.....	191,344,257	158,857,866	141,285,783
Value.....	\$7,555,261	\$6,119,572	\$5,731,124
Other sheet iron or sheet steel tinned or terne-plated, taggers tin, etc.:—			
Pounds.....	19,499,334	6,555,855	1,000,473
Value.....	\$520,465	\$127,476	\$86,492
All other products.....	\$1,634,034	\$516,341	\$521,374
EQUIPMENT.			
Tin or terne sets at end of year:			
Completed—			
Number.....	563	598	585
Usually employed on tin plates.....	450	478	(9)
Usually employed on terne plates.....	113	120	(9)
Daily capacity, single turn, pounds.....	2,795,972	3,361,298	2,732,901
Tin plates.....	2,055,915	2,694,115	2,003,538
Terne plates.....	740,057	667,183	729,363
Daily capacity as operated, whether on single, double, or triple turn, pounds.....	7,016,293	7,121,350	(9)
Building number.....	49	(9)	53
Black-plate department of establishments making their black plates:			
Black-plate mills at end of year—			
Completed—			
Number.....	335	315	332
Annual capacity on triple turn, long tons.....	1,042,088	707,445	641,450
Building—			
Number.....	20	(9)	23
Annual capacity on triple turn, long tons.....	36,600	(9)	51,275
Cold mills, completed, number.....	268	272	308

<sup>1</sup> Domestic; no foreign plates reported; includes 8,726,538 pounds of iron plates; balance steel, not distributable by kind of steel.

<sup>2</sup> Includes \$3,900 pounds of foreign plates, costing \$5,709; the domestic plates reported were distributed by kind as follows: Bessemer steel, 911,663,989 pounds; open-hearth steel, 1,109,149 pounds; iron, 49,305 pounds.

<sup>3</sup> Includes 2,535,077 pounds of foreign plates, costing \$78,282.

<sup>4</sup> Not reported.

<sup>5</sup> Consumption of establishments not equipped for the manufacture of black plates.

<sup>6</sup> Terne mixture purchased not reported separately; contents reported as tin and lead.

<sup>7</sup> In addition \$39,200 pounds of tin and terne plate and taggers tin, valued at \$398,145, in the establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>8</sup> Includes idle establishments.

**Tin and terne plate.**—The statistics for the tin and terne plate industry are given in the following table. Nearly 98 per cent of the black plates dipped were rolled by the establishment reporting. The value of all products was \$47,969,645 in 1909 as compared with \$31,892,011 in 1899, an increase of 50.4 per cent. The development of the tin and terne plate

Wire.—The following table presents the statistics for wire manufactures in 1909. Comparable statistics in detail for 1904 and 1899 are not available for the total wire production, as special reports were not secured prior to the present census from wire mills drawing wire from purchased rods. The total value of the steel and iron wire product more than doubled from 1899 to 1909. The total value of all wire and manufactures of wire reported in 1909 was \$173,349,614, of

which 69.6 per cent represents the value of products made from steel and iron, 27.2 per cent that of products made from copper, and 3.2 per cent that of products made from other metal, chiefly brass. Establishments rolling wire from rods manufactured by them reported 54.3 per cent of the wire products in value, and mills drawing wire from purchased rods produced 45.7 per cent. The *ton of 2,000 pounds* is used in showing quantities.

Table 60

	Total.	Wire mills (wire rods purchased).	Wire depart- ments of rolling mills <sup>1</sup> (wire rods rolled).		Total.	Wire mills (wire rods purchased).	Wire depart- ments of rolling mills <sup>1</sup> (wire rods rolled).
PRINCIPAL MATERIALS.				PRODUCTS—continued.			
<b>Metal used, cost.....</b>	<b>\$115,655,427</b>	<b>\$51,240,373</b>	<b>\$64,415,051</b>	<b>Wire and manufactures of wire—Contd.</b>			
Wire rods.....	\$112,759,516	\$50,810,983	\$61,958,533	Steel and iron—Continued.			
Steel—				Barb wire—			
Tons.....	2,514,504	850,729	1,663,775	Value.....	323,565	76,268	247,297
Cost.....	\$67,439,887	\$23,021,867	\$44,418,020	Woven wire, fencing, and poultry netting—	\$13,881,517	\$3,343,856	\$10,537,661
Open-hearth—				Tons.....	422,127	115,889	306,238
Tons.....	1,359,256	285,961	1,073,295	Value.....	\$21,419,170	\$6,724,077	\$14,695,093
Cost.....	\$38,532,177	\$8,536,361	\$29,995,816	Wire rope and strand—			
Basic—				Tons.....	45,303	34,140	11,163
Tons.....	1,255,747	233,105	1,022,642	Value.....	\$6,683,771	\$5,450,064	\$1,233,707
Cost.....	\$35,046,106	\$6,665,310	\$28,380,796	Other manufactures—springs, bal- tires, cold-rolled flat wire, etc.—			
Acid—				Tons.....	129,945	71,906	58,039
Tons.....	160,509	52,836	50,653	Value.....	\$10,856,154	\$6,130,901	\$4,725,253
Cost.....	\$3,486,071	\$1,841,051	\$1,645,020	Copper—			
Bessemer—				Tons.....	154,231	102,604	51,627
Tons.....	1,148,353	558,048	590,305	Value.....	\$47,184,164	\$30,831,646	\$16,352,518
Cost.....	\$28,340,445	\$13,996,178	\$14,344,267	Wire drawn for sale—			
Crucible and other steel—				Tons.....	139,482	102,418	37,064
Tons.....	6,895	6,720	175	Value.....	\$42,336,274	\$30,736,728	\$11,599,546
Cost.....	\$567,265	\$549,328	\$17,937	Manufactures of wire—			
Iron—				Tons.....	14,749	186	14,563
Tons.....	4,849	1,055	3,794	Value.....	\$4,847,890	\$94,918	\$4,752,972
Cost.....	\$207,846	\$62,203	\$145,643	Wire drawn for sale—			
Copper—				Tons.....	17,407	1,048	16,359
Tons.....	151,951	102,294	49,557	Value.....	\$5,579,813	\$484,019	\$5,095,794
Cost.....	\$40,916,084	\$27,462,312	\$13,453,772	Manufactures of wire—			
Other metal— <sup>2</sup>				Tons.....	1,824	40	1,784
Tons.....	17,944	935	17,009	Value.....	\$56,437	\$24,436	\$32,001
Cost.....	\$4,255,099	\$364,601	\$3,971,098	All other products.....	\$6,733,908	\$5,236,649	\$1,497,259
Purchased wire, plain or coated:				<b>Wire drawn, whether for consumption</b>			
Tons.....	\$7,922	8,943	48,979	or for sale, tons:			
Cost.....	\$2,855,911	\$429,390	\$2,426,521	Steel and iron.....	2,359,136	787,322	1,601,814
PRODUCTS.				Copper.....	147,159	101,890	45,266
Tons.....				Other metal <sup>3</sup> .....	17,411	1,051	16,360
Value.....				EQUIPMENT.			
Wire, and manufactures of wire.....	\$173,349,614	\$79,249,569	\$94,099,745	Wire-drawing blocks:			
Steel and iron—				Number.....	43,697	28,119	15,578
Tons.....	2,471,858	821,929	1,649,929	Annual capacity, tons.....	3,213,574	1,065,250	2,148,324
Value.....	\$120,585,637	\$47,934,204	\$72,651,433	Wire-nail machines:			
Wire drawn for sale—				Number.....	4,428	1,207	3,221
Tons.....	826,451	343,965	482,546	Annual capacity (kegs of 100 pounds).....	18,756,995	4,693,513	14,063,482
Value.....	\$38,845,081	\$18,823,035	\$20,022,046	Woven-wire fence machines:			
Plain—				Number.....	446	198	248
Tons.....	472,046	188,846	283,200	Annual capacity, tons.....	481,373	134,803	346,570
Value.....	\$22,632,230	\$11,349,868	\$11,282,362				
Coated—							
Tons.....	354,405	155,059	199,346				
Value.....	\$16,212,851	\$7,473,167	\$8,739,684				
Wire nails and spikes—							
Kegs (100 pounds).....	13,926,861	3,449,753	10,477,168				
Value.....	\$27,575,774	\$7,142,947	\$20,433,727				
Wire brads, tacks, and staples—							
Tons.....	28,125	7,334	20,791				
Value.....	\$1,324,170	\$320,224	\$1,003,946				

<sup>1</sup> Includes the wire departments of iron and steel, copper, and brass rolling mills.

<sup>2</sup> Brass, bronze, German silver, zinc, etc., chiefly brass.

<sup>3</sup> Includes rod, redrawing, and fine wire blocks.

The comparative statistics for steel and iron wire products, 1909, 1904, and 1899, are as follows:

Table 61	PRODUCT.	1909	1904	1899
	<b>Total value.....</b>	<b>\$120,585,637</b>	<b>\$83,353,956</b>	<b>\$52,871,387</b>
Wire mills.....		\$47,934,204	\$15,802,513	\$5,142,603
Wire departments of rolling mills:				
Tons.....		1,649,929	1,416,494	879,296
Value.....		\$72,651,433	\$67,551,443	\$47,728,784

#### LEATHER AND ITS PRODUCTS.

The primary or underlying industry of this group is the converting of hides and skins into leather by the various processes of tanning, tawing, currying, and finishing. The designation employed for this industry is "leather, tanned, curried, and finished." The group also includes the manufacture of boots and shoes and the manufacture of leather gloves and mittens.



**Leather.**—The following table gives the statistics of the leather industry in detail for 1909, 1904, and 1899.

The number of hides and skins treated, including those treated as custom work for others not tanners, curriers, or finishers, as well as those used in further manufacture by the establishments treating them, was 146,328,586 in 1909 and 131,011,956 in 1904. Comparative figures for this aggregate for 1899 are not available. Exclusive of custom work, 116,040,986 hides and skins, costing \$195,058,557, were treated by tanneries in 1909, and 99,709,343, costing \$123,545,969, in 1899, the increase in number being 16.4 per cent and that in cost 57.9 per cent. The increase for the decade in the number of hides used was 15.9 per cent;

that in calf and kip skins, 120.6 per cent; that in sheepskins, 6.4 per cent; and that in goatskins, less than 1 per cent.

The cost of purchased rough leather used increased 43.4 per cent and that of all other materials, which include tanning and finishing materials, 76.1 per cent.

The value of leather manufactured in 1909 was \$306,476,720, as compared with \$194,202,063 in 1899, an increase of 57.8 per cent, which is practically the same as the percentage of increase in the cost of hides and skins treated. There is considerable duplication in the value of products, due to the sale of leather in the rough as product of one establishment and its use as material in another.

Table 62	1909	1904	1899		1909	1904	1899
<b>MATERIALS.</b>				<b>PRODUCTS—continued.</b>			
Total cost.....	\$248,278,933	\$191,179,073	\$155,000,004	Leather—Continued.			
Hides <sup>1</sup> (all kinds):				Upper—Continued.			
Number.....	18,360,415	17,581,613	15,838,862	Finished splits—			
Cost.....	\$119,410,767	\$89,126,593	\$77,784,750	Number.....	8,134,229	6,295,050	8,790,382
Skins: <sup>2</sup>				Value.....	\$7,410,740	\$5,993,231	\$6,740,502
Number.....	97,680,571	90,625,061	83,870,481	Patent and enameled shoe			
Cost.....	\$75,647,790	\$56,341,332	\$45,761,209	Sides.....	2,705,291	1,356,777	236,943
Calf and kip—				Value.....	\$8,341,727	\$3,353,552	\$1,092,534
Number.....	19,732,638	12,481,221	8,944,454	Horsehides and coltskins			
Cost.....	\$31,790,572	\$15,725,616	\$10,702,485	Number.....	1,342,938	1,529,395	223,378
Goat—				Value.....	\$4,953,145	\$4,596,065	\$443,115
Number.....	48,077,664	47,665,063	48,046,867	Calf and kip skins, tanned and finished—			
Cost.....	\$27,836,214	\$26,756,012	\$24,950,223	Number.....	19,012,064	12,014,223	8,264,272
Sheep—				Value.....	\$42,412,256	\$22,508,335	\$14,619,150
Number.....	26,082,090	27,492,359	24,507,542	Grain finished—			
Cost.....	\$12,231,618	\$19,547,883	\$8,457,995	Number.....	17,516,910	10,211,885	7,112,859
All other—				Value.....	\$39,982,447	\$18,996,551	\$12,127,439
Number.....	13,788,209	2,985,881	2,371,488	Flesh finished—			
Cost.....	\$3,792,386	\$3,311,821	\$1,560,506	Number.....	1,495,154	1,802,338	1,151,413
Rough leather purchased				Value.....	\$2,429,809	\$3,511,784	\$2,491,711
Whole skins—				Goatskins, tanned and finished—			
Number.....	1,468,213	2,414,102	1,086,592	Number.....	47,907,211	45,691,492	47,043,932
Cost.....	\$4,967,781	\$8,136,664	\$3,534,097	Value.....	\$40,882,640	\$37,887,549	\$35,672,981
Grains—				Black—			
Sides.....	525,786	342,332	165,928	Number.....	40,351,192	40,019,614	38,176,816
Cost.....	\$1,201,842	\$980,260	\$467,125	Value.....	\$33,949,575	\$32,822,282	\$29,059,886
Splits.....	11,442,505	\$1,108,243	\$1,320,589	Colored—			
All other.....	11,944,129	\$627,491	\$1,341,584	Number.....	7,556,019	5,671,878	8,867,116
All other materials.....	\$43,664,119	\$34,858,493	\$24,790,640	Value.....	\$6,933,065	\$5,065,067	\$6,622,035
<b>PRODUCTS.</b>				Sheepskins, tanned and finished—			
Total value.....	\$327,874,187	\$252,620,986	\$204,038,127	Number.....	19,665,135	20,597,598	20,290,985
Leather.....	\$306,476,720	\$236,765,803	\$194,202,063	Value.....	\$12,236,087	\$11,168,829	\$9,353,755
Sole.....	\$88,331,713	\$69,205,600	\$55,481,625	Belt—			
Itemlock—				Sides.....	1,042,076	859,564	1,472,016
Sides.....	7,963,728	9,929,964	9,810,996	Value.....	\$6,965,133	\$4,754,456	\$7,092,778
Value.....	\$32,237,151	\$32,676,015	\$29,305,561	Harness—			
Oak—				Sides.....	3,946,235	4,369,561	3,444,616
Sides.....	3,805,861	3,607,963	2,562,814	Value.....	\$24,802,734	\$20,274,188	\$16,712,056
Value.....	\$26,083,793	\$19,157,805	\$18,359,846	Carriage, automobile, and furniture			
Union—				Hides.....	1,398,842	827,104	619,741
Sides.....	5,756,227	4,400,011	3,096,162	Value.....	\$14,266,742	\$7,750,487	\$5,748,387
Value.....	\$28,375,815	\$17,371,780	\$12,807,262	Trunk, bag, and pocketbook.....	\$6,198,544	\$4,990,750	\$2,611,326
Upper, other than calf or kip				Bookbinders.....	\$2,450,155	\$2,283,761	\$1,688,413
Skins.....	279,436	(*)	2,100	Glove.....	\$4,913,543	\$3,344,614	\$3,084,837
Grain, satin, pebble, etc. (sole leather)—				Sold in rough.....	\$6,335,599	\$10,180,949	\$6,864,345
Sides.....	7,940,769	6,850,469	8,141,093	All other.....	\$11,746,369	\$15,044,268	\$10,117,454
Value.....	\$24,198,993	\$15,487,252	\$17,478,802	All other products.....	\$8,632,689	\$7,665,223	\$5,514,395
				Work on materials for others.....	\$12,764,778	\$8,189,960	\$4,321,669

<sup>1</sup> In addition, in 1909, 1,003,278 hides and 27,936,887 skins and in 1904, 961,431 hides and 21,792,110 skins were treated for others, not tanners, curriers, or finishers; and in 1909, 252,639 hides and 194,796 skins and in 1904, 12,453 hides and 39,285 skins were treated by establishments using the leather for further manufacture.

<sup>2</sup> Cattle hides only.

<sup>3</sup> Includes horsehides.

<sup>4</sup> In addition, in 1909, leather to the value of \$6,231,374, and in 1904 to the value of \$154,932, was tanned, curried, or finished and consumed by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>5</sup> Not reported separately.

**Boots and shoes.**—The full designation for this industry is "boots and shoes, including cut stock and findings." The total value of products was \$512,797,642 in 1909, as compared with \$357,688,160

in 1904 and \$290,047,087 in 1899, an increase for the decade of \$222,750,555, or 76.8 per cent. In addition, in 1909 there were boot and shoe products to the value of \$1,439,280, and in 1904 to the value of \$89,000,

made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation. The schedule employed did not call for segregation of value of products. The following table shows the number of pairs of the different kinds of shoes and slippers reported at each of the last three censuses.

Table G3

NUMBER OF PAIRS.

KIND.	1909	1904	1899
Boots and shoes.....	247,643,197	216,039,401	195,589,173
Men's.....	95,888,892	85,144,322	67,742,839
Boys' and youths'.....	24,838,625	21,717,256	21,030,479
Women's.....	86,595,314	69,470,876	64,972,653
Misses' and children's.....	43,320,365	41,416,967	41,843,202
Slippers.....	17,507,834	17,518,291	17,092,841
Men's, boys', and youths'.....	4,802,841	4,493,097	4,446,965
Women's, misses', and children's.....	12,704,993	13,115,194	12,645,876
Infants' shoes and slippers.....	15,000,721	(1)	(1)
All other.....	4,865,429	8,552,343	5,283,405

<sup>1</sup> Not reported separately.

There were 247,643,197 pairs of boots and shoes manufactured in 1909, 216,039,401 pairs in 1904, and

195,589,173 pairs in 1899, the increase being 26.6 per cent for the decade and 14.6 per cent for the 1904-1909 period. In 1909 men's boots and shoes formed 37.9 per cent of the total number of boots and shoes; women's, 35 per cent; misses' and children's, 17.5 per cent; and boys' and youths', 9.6 per cent.

The total output of slippers reported for 1909 was 17,507,834 pairs, practically the same as at each of the two preceding censuses. The figures indicate a considerable decrease since 1904 in women's, misses', and children's slippers, but it is probable that infants' shoes and slippers, reported separately in 1909, were to some extent included with children's slippers in 1904.

The number of pairs of the different kinds of boots, shoes, and slippers manufactured by the various methods was reported for the first time in 1909, and is shown in the next table. Of the total number manufactured, 43.2 per cent were of the McKay type, 35.3 per cent machine or hand welt, 10.6 per cent turned, 8.8 per cent wire-screw or metal-fastened, and 2.1 per cent wooden-pegged.

Table G4

NUMBER OF PAIRS.

KIND.	Total.	Machine or hand welt.	Turned.	McKay.	Wooden-pegged.	Wire-screw or metal-fastened.
Boots and shoes.....	247,643,197	87,391,703	26,317,990	107,063,644	5,225,161	21,643,639
Men's.....	95,888,892	33,212,450	980,240	20,438,585	3,921,632	15,326,965
Boys' and youths'.....	24,838,625	4,425,634	50,277	15,016,611	567,839	3,779,755
Women's.....	86,595,314	25,871,839	14,281,764	44,518,966	533,579	1,389,106
Misses' and children's.....	43,320,365	3,883,480	10,996,009	27,089,482	202,991	1,147,803
Slippers.....	17,507,834	1,318,995	7,611,748	8,396,874	28,918	151,299
Men's, boys', and youths'.....	4,802,841	648,007	1,733,742	2,286,652	16,851	117,589
Women's, misses', and children's.....	12,704,993	670,988	5,878,006	6,110,222	12,067	33,710
Infants' shoes and slippers.....	15,000,721	1,979,393	11,447,508	1,520,072	41,731	11,817
All other.....	4,865,429	1,429,249	1,189,742	1,286,281	321,082	639,075

Gloves and mittens, leather.—The quantity and value of the different kinds of products reported for this branch of the leather industry for 1909, 1904, and 1899 are shown in the following table:

Table G5

PRODUCT.	1909	1904	1899
Total value.....	\$23,630,598	\$17,740,385	\$16,926,156
Gloves, mittens, and gauntlets:			
Dozen pairs.....	3,368,655	3,370,146	2,805,661
Value.....	\$22,825,861	\$17,122,772	\$16,039,168
Men's—			
Dozen pairs.....	2,585,977	2,915,415	2,267,327
Value.....	\$17,060,797	\$14,515,770	\$12,418,258
Lined—			
Dozen pairs.....	921,259	1,317,083	952,820
Value.....	\$5,222,174	\$6,333,081	\$4,950,902
Unlined—			
Dozen pairs.....	1,664,718	1,598,332	1,314,507
Value.....	\$11,838,623	\$8,182,089	\$7,458,356
Women's and children's:			
Dozen pairs.....	782,678	454,731	604,330
Value.....	\$5,465,064	\$2,607,002	\$3,470,258
Lined—			
Dozen pairs.....	365,477	241,361	267,149
Value.....	\$1,718,198	\$1,030,843	\$1,247,016
Unlined—			
Dozen pairs.....	417,201	213,370	337,181
Value.....	\$3,746,866	\$1,576,159	\$2,222,342
All other products.....	\$1,104,737	\$617,613	\$886,888

<sup>1</sup> In addition, in 1909, 36,944 dozen pairs of gloves, mittens, and gauntlets, to the value of \$34,361; in 1904, gloves, mittens, and gauntlets, to the value of \$16,161; and in 1899, gloves, mittens, and gauntlets, to the value of \$27,157, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>2</sup> Includes 24,004 dozen pairs of gauntlets, valued at \$130,652, not distributed by kinds.

The greater increase in value was due to the higher prices paid for hides and skins, and an increased production of the better grades of gloves.

The number of men's gloves manufactured largely outnumbered that of women's and children's at each census, but importations of kid gloves for women probably greatly reduce the demand for American makes. The number of men's gloves increased during the decade 14.1 per cent, and the number of women's and children's 29.5 per cent.

#### CHEMICALS AND ALLIED PRODUCTS.

The industries in this group comprise those which produce chemicals as products or which employ to a large extent chemical processes in manufacture. The grouping is necessarily somewhat arbitrary. Separate tables present the statistics for each of the following industries:

Chemicals.	Oil, essential.
Coke.	Paint and varnish.
Dyestuffs and extracts.	Petroleum refining.
Explosives.	Salt.
Fertilizers.	Soap.
Gas, illuminating and heating.	Sulphuric, nitric, and mixed acids.
Glucose and starch.	Turpentine and resin.
Oil, cottonseed, and cake.	

**Chemicals.**—Table 66 presents the statistics for the general chemical industry as classified by the Bureau of the Census, but reference should be made to the groups and items specified in the table for information as to the products included under this head. It does not include products listed independently in the preceding paragraph, nor does it include the products of wood distillation or chemicals made by establishments engaged in the manufacture of pharmaceutical preparations.

The value of all products of the "chemical" industry, including the same commodities made by establishments engaged primarily in the manufacture of other products, was \$126,794,345 in 1909 and \$78,285,616 in 1904. The products of establishments classified as chemical factories proper were valued at \$117,688,887 in 1909 and \$48,039,595 in 1899, an increase for the decade of \$69,649,292, or 145 per cent. Some of the groups show very large gains, notably products made with the aid of electricity, many of which can not be shown separately without disclosing individual operations. The value of these products increased from \$1,305,368 in 1899 to \$17,968,277 in 1909 and the value of the output of sodas, the leading group of products in this respect, increased from \$11,596,915 to \$21,417,982.

The value of the sulphuric, nitric, and mixed acid product, shown in Table 80, should be added to the value of the acids given in the following table in order to ascertain the total production of the principal acids. Including these acids, the value of the acid product (not including acids consumed by establishments making the same or those produced as by-products of other industries) was \$19,493,663 in 1909, \$14,538,137 in 1904, and \$9,371,615 in 1899, the increase for the decade being 108 per cent. The *ton of 2,000 pounds* is used in showing quantities.

Table 66	PRODUCT.	1909	1904	1899
	<b>Total value.....</b>	<b>\$117,688,887</b>	<b>\$75,222,249</b>	<b>\$48,039,595</b>
Acids <sup>a</sup> .....		\$11,926,389	\$7,583,039	\$3,161,743
Acetic—				
Pounds.....	\$1,963,788	27,001,322	21,945,538	
Value.....	\$1,136,131	\$337,512	\$396,324	
Boric—				
Pounds.....	5,354,414	6,959,896	2,084,935	
Value.....	\$295,739	\$327,199	\$198,212	
Citric—				
Pounds.....	2,102,206	2,265,631	( <sup>c</sup> )	
Value.....	\$777,300	\$598,718	( <sup>c</sup> )	
Hydrochloric—				
Pounds.....	4,790,963	2,932,358	608,000	
Value.....	\$214,657	\$151,218	\$34,890	
Muratic—				
Pounds.....	128,394,736	127,502,682	116,675,409	
Value.....	\$1,171,082	\$1,180,910	\$1,015,915	
Oleic—				
Pounds.....	13,337,717	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$650,915	( <sup>c</sup> )	( <sup>c</sup> )	
Phosphoric—				
Pounds.....	28,702,696	991,050	( <sup>c</sup> )	
Value.....	\$205,791	\$98,511	( <sup>c</sup> )	
Other.....	\$7,145,771	\$4,318,950	\$1,516,403	
Sodas.....	\$21,417,982	\$16,858,929	\$11,596,915	
Soda ash—				
Tons.....	646,007	518,790	386,361	
Value.....	\$10,361,756	\$8,202,292	\$4,768,383	
Sal soda—				
Tons.....	76,285	56,870	63,231	
Value.....	\$977,712	\$792,248	\$779,106	
Bicarbonate of soda—				
Tons.....	82,800	68,867	68,185	
Value.....	\$1,515,631	\$1,135,610	\$1,324,843	
Caustic soda—				
Tons.....	112,152	80,159	78,779	
Value.....	\$4,230,934	\$2,924,182	\$2,917,955	

Table 66—	PRODUCT.	1909	1904	1899
Contd.				
Sodas—Continued.				
Borax—				
Tons.....	20,154	20,882	5,637	
Value.....	\$1,766,910	\$2,122,808	\$502,480	
Other.....	\$2,565,619	\$1,681,780	\$1,304,088	
Potashes.....				
Pounds.....	1,866,570	5,113,706	3,764,806	
Value.....	\$88,949	\$563,489	\$174,476	
Alums.....	\$2,578,842	\$2,126,612	\$2,013,607	
Alum cake—				
Pounds.....	26,884,880	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$273,711	( <sup>c</sup> )	( <sup>c</sup> )	
Potash alum—				
Pounds.....	7,939,702	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$128,623	( <sup>c</sup> )	( <sup>c</sup> )	
All other.....	\$2,176,598	( <sup>c</sup> )	( <sup>c</sup> )	
Coal-tar products.....	\$2,675,327	\$844,817	\$1,322,094	
Coal-tar distillery products.....	\$2,462,330	\$340,641	\$809,530	
Chemicals made from coal-tar distillery products.....	\$212,997	\$504,176	\$512,564	
Cyanides.....	\$1,941,893	\$1,179,104	\$1,584,923	
Yellow prussiate of potash—				
Pounds.....	3,510,208	5,027,264	6,140,406	
Value.....	\$463,593	\$963,277	\$993,514	
All other.....	\$1,477,910	\$495,827	\$591,409	
Bleaching materials.....	\$1,635,046	\$777,750	\$492,086	
Hydrogen peroxide—				
Pounds.....	9,403,717	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$850,117	( <sup>c</sup> )	( <sup>c</sup> )	
Bisulphites—				
Tons.....	14,528	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$202,504	( <sup>c</sup> )	( <sup>c</sup> )	
All other.....	\$882,125	\$777,750	\$492,086	
Chemical substances produced by the aid of electricity.....	\$17,968,277	\$5,896,632	\$1,305,368	
Calcium carbide—				
Pounds.....	121,946,967	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$2,984,091	( <sup>c</sup> )	( <sup>c</sup> )	
Caustic soda—				
Tons.....	19,428	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$1,032,647	( <sup>c</sup> )	( <sup>c</sup> )	
Chlorates—				
Pounds.....	11,568,915	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$904,525	( <sup>c</sup> )	( <sup>c</sup> )	
Hypochlorites—				
Tons.....	68,016	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$1,506,821	( <sup>c</sup> )	( <sup>c</sup> )	
All other.....	\$11,540,273	\$5,896,632	( <sup>c</sup> )	
Plastics.....	\$7,180,172	\$4,755,761	\$2,699,400	
Pyroxylin plastics.....	\$5,359,319	\$2,857,093	\$1,970,387	
All other—				
Pounds.....	10,234,928	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$1,790,353	\$1,898,668	\$129,013	
Compressed or liquefied gases.....	\$4,969,805	\$2,787,689	\$1,213,011	
Anhydrous ammonia—				
Pounds.....	11,402,076	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$2,363,315	\$1,173,181	\$448,157	
Carbon dioxide—				
Pounds.....	47,238,267	35,991,627	( <sup>c</sup> )	
Value.....	\$2,317,808	\$1,313,966	\$695,164	
Laughing gas—				
Pounds.....	72,675	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$33,689	( <sup>c</sup> )	( <sup>c</sup> )	
Oxygen—				
Gallons.....	4,777,977	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$98,150	( <sup>c</sup> )	( <sup>c</sup> )	
All other—				
Pounds.....	364,014	( <sup>c</sup> )	( <sup>c</sup> )	
Value.....	\$16,845	\$270,530	\$70,600	
Fine chemicals.....	\$10,956,666	\$9,145,853	\$4,720,339	
Alkaloids—				
Pounds.....	3,482,492	4,949,525	3,387,522	
Value.....	\$3,188,691	\$2,925,789	\$1,743,264	
Gold salts—				
Ounces.....	42,544	59,969	8,564	
Value.....	\$439,944	\$449,864	\$90,145	
Silver salts—				
Ounces.....	2,027,719	7,143,882	1,252,604	
Value.....	\$726,222	\$683,761	\$490,345	
Platinum salts—				
Ounces.....	1,561	19,068	7,312	
Value.....	\$19,123	\$175,682	\$54,000	
Chloroform—				
Pounds.....	1,861,435	616,670	396,549	
Value.....	\$12,739	\$165,604	\$98,070	
Ether—				
Pounds.....	1,177,886	660,783	263,238	
Value.....	\$394,148	\$394,935	\$129,876	
Acetone—				
Pounds.....	6,927,886	1,300,395	1,638,715	
Value.....	\$719,803	\$161,320	\$178,666	
All other.....	\$5,199,384	\$4,248,895	\$1,126,573	
Chemicals not elsewhere specified:				
Glycerin—				
Pounds.....	53,956,914	15,791,997	15,383,798	
Value.....	\$4,838,826	\$2,345,205	\$2,012,886	
Epsom salts—				
Pounds.....	47,785,318	15,935,837	6,072,369	
Value.....	\$357,728	\$145,801	\$15,966	
Blue vitriol—				
Pounds.....	810,958	50,100	7,500,000	
Value.....	\$37,626	\$2,500	\$375,000	

For footnotes, see page 496.

Table 66— Contd.	PRODUCT.	1909	1904	1899
Chemicals not elsewhere specified— Continued.				
Copperas—				
Pounds.....		24,199,536	8,815,059	14,097,905
Value.....		\$71,081	\$28,061	\$58,581
Phosphates of soda—				
Pounds.....		35,178,354	12,018,815	3,478,530
Value.....		\$634,292	\$243,822	\$104,554
Tin salts—				
Pounds.....		12,992,233	9,573,719	4,677,471
Value.....		\$11,194,546	\$904,679	\$470,159
Zinc salts—				
Pounds.....		43,204,652	( <sup>1</sup> )	( <sup>1</sup> )
Value.....		\$1,477,486	( <sup>1</sup> )	( <sup>1</sup> )
Other chemicals.....				
		\$21,207,939	\$13,289,416	
By-products and residues sold to other industries.....				
		\$4,530,024	\$5,743,070	\$15,786,457

<sup>1</sup> In addition, products to the value of \$9,105,453 were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation, including the following:

	Pounds.	Value.		Pounds.	Value.
Acids:					
Acetic.....	4,959,985	\$200,740	Pyraxyl plastic.....		\$282,560
Hydrochloric.....	2,051,951	79,721	Compressed or liq- uified gases.....		
Muriatic.....	74,805,743	587,253	Anhydrous am- monia.....	167,710	40,923
Oleic.....	2,959,346	165,091	Carbon dioxide.....	454,354	19,262
Stearic.....	5,094,774	399,386	Laughing gas.....	24,500	4,900
Other.....	49,570		Oxygen.....	23,826,325	79,319
Soda:					
Salt soda..... tons.	10,822	154,297	Other.....	9,072	
Other..... tons.	73,902	1,835,792	Chloroform.....	8,250	4,779
Potashes.....	14,299,522	525,054	Acetone.....	2,007,560	210,287
Alums.....	49,450,260	443,513	Glycerin.....	1,022,920	123,472
Coal-tar distillery products.....		1,610,792	Blue vitriol.....	37,185,585	1,496,645
Bleaching materials:			Copperas.....	3,031,566	53,372
Hydrogen per- oxide.....	521,851	20,124	Phosphates of soda.....	310,588	27,034
Bisulphite.....	3,062,000	23,650	Zinc salts.....	4,312,988	103,503
Other.....	20,703		Other chemicals.....	505,183	

<sup>a</sup> Not including acids reported by manufacturers of explosives and fertilizers.

<sup>b</sup> Including soda reported by manufacturers of paints and varnishes and fertilizers.

<sup>c</sup> Not including 4,571,014 pounds, value \$448,455, reported by manufacturers of coke.

<sup>d</sup> Not including 52,518,919 pounds, value \$6,790,264, reported by manufacturers of soap.

<sup>e</sup> In addition, products to the value of \$3,063,397 were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation, including the following:

	Pounds.	Value.		Pounds.	Value.
Acids:					
Muriatic.....	47,018,080	\$431,938	Bleaching materials:		
Stearic.....	1,750,900	140,000	Bisulphite..... tons.	536	\$11,037
Hydrochloric.....	1,217,578	71,668	Glycerin.....	520,000	33,000
Other.....	146,716		Ether.....	193,628	92,466
Soda:					
Salt soda..... tons.	1,763	29,561	Epsom salts.....	1,350,000	13,500
Caustic.....	14	668	Blue vitriol.....	107,160	5,994
Other..... tons.	14,200	303,765	Copperas.....	81,816	586
Coal-tar distil- lery products.....	33,074,349	532,185	Tin salts.....	1,103,222	188,301
		238,645	Other chemicals.....		742,467

<sup>2</sup> See Table 80 for sulphuric, nitric, and mixed acids.

<sup>3</sup> Not reported separately.

<sup>4</sup> See chemical substances produced by the aid of electricity for additional product.

<sup>5</sup> Not reported.

**Coke.**—Table 67, which presents the statistics for the manufacture of coke, does not include those for gas-house coke, which are shown in Table 71. The total production of coke, including gas-house coke sold and that made and consumed in gas manufacture, was 41,947,949 tons in 1909 as compared with 27,857,441 tons in 1904, an increase of 50.6 per cent. The gas-house coke included in these figures formed 6.3 per cent of the total product in 1909 and 9.9 per cent in 1904.

The value of all products of the coke industry proper was \$98,078,383 in 1909, \$51,728,647 in 1904, and \$35,585,445 in 1899, an increase for the decade of 175.6 per cent. A marked feature of the industry is the increasing use of retort ovens. Although the

retort coke product was not reported separately in 1899, the by-products of this branch of the industry were given and aggregated \$952,027 in value. In 1909 the value of the retort by-products was \$8,112,900. The value of the coke and by-products made by retort ovens constituted 29.1 per cent of the total value of all products of the industry in 1909. Of the total value of the products made by retort ovens, two-fifths is contributed by the by-products. The ton of 2,000 pounds is used in showing quantities.

Table 67	1909	1904	1899
MATERIALS.			
Total cost.....	\$85,388,124	\$29,884,532	\$19,665,332
Coal charged into ovens.....	159,354,937	36,781,006	30,157,829
Run of mine—			
Unwashed.....	40,594,842	24,872,731	20,844,637
Washed.....	6,007,750	2,645,251	1,457,961
Slack—			
Unwashed.....	6,926,484	4,414,326	5,036,675
Washed.....	5,825,851	4,844,698	2,818,556
Cost.....	\$62,203,382	\$28,360,121	\$18,355,252
All other materials.....	\$3,184,742	\$1,524,411	\$1,310,280
PRODUCTS.			
Total value.....	\$98,078,383	\$51,728,647	\$35,585,445
Coke: <sup>2</sup>			
Tons.....	39,315,065	24,733,063	19,640,798
Value.....	\$89,905,483	\$49,002,051	\$34,633,418
Made by beehive ovens—			
Tons.....	33,060,421	22,516,280	( <sup>3</sup> )
Value.....	\$69,530,794	\$42,885,773	( <sup>3</sup> )
Made in retort or by-product ovens—			
Tons.....	6,254,644	2,216,783	( <sup>3</sup> )
Value.....	\$20,434,689	\$6,116,278	( <sup>3</sup> )
By-products obtained from retort or hy- product ovens—			
Gas made, cubic feet (thousands).....	76,590,763	18,761,101	( <sup>3</sup> )
Used in process or wasted, cubic feet (thousands).....	60,799,543	14,878,301	( <sup>3</sup> )
Sold—			
Cubic feet (thousands).....	15,791,229	3,882,800	1,171,943
Value.....	\$2,609,211	\$684,464	\$225,022
Tar—			
Gallons.....	60,126,006	23,074,225	10,468,733
Value.....	\$1,408,611	\$551,936	\$207,952
Ammonia, sulphate or reduced to equivalent in sulphate—			
Pounds.....	123,111,197	26,050,713	11,984,931
Value.....	\$3,227,316	\$681,427	\$330,921
Anhydrous ammonia—			
Pounds.....	4,871,014	( <sup>4</sup> )	( <sup>4</sup> )
Value.....	\$448,455	( <sup>4</sup> )	( <sup>4</sup> )
Ammoniacal liquor—			
Gallons.....	( <sup>5</sup> )	4,439,679	1,572,325
Value.....	( <sup>5</sup> )	\$697,644	\$180,642
All other.....	\$419,307	\$111,225	\$7,490
EQUIPMENT.			
Ovens, number in existence at end of year.....	103,982	76,090	47,142
Building at end of year.....	2,950	2,127	( <sup>6</sup> )
Abandoned during the year.....	201	178	( <sup>6</sup> )

<sup>1</sup> Includes coal and coking products produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation, viz: Coal used, unwashed, 566,539 tons, cost, \$1,363,397; products valued at \$2,881,761, comprising retort coke, 415,472 tons, valued at \$1,464,162; tar, 4,398,576 gallons, valued at \$87,639; ammonium sulphate, 9,952,744 pounds, valued at \$235,005; gas sold, 2,160,915 thousand cubic feet, valued at \$334,075; and other products, \$60,280.

<sup>2</sup> In addition, 410,225 tons of coke, valued at \$1,302,572, were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>3</sup> The statement for coke made in gas establishments will be found in detail under the classification "Gas, illuminating and heating."

<sup>4</sup> Not reported.

<sup>5</sup> Reported in part as anhydrous ammonia and in part as ammonium sulphate or reduced equivalents.

**Dyestuffs and extracts.**—The statistics for dyestuffs and extracts given in Table 68 cover the products of establishments manufacturing the same for sale, and do not include those made by dye and print works or tanneries and consumed by the same in further processes of manufacture.

The total value of products was \$15,954,574 in 1909 and \$7,350,748 in 1899, an increase of 117 per cent. The chief products were oak and chestnut extract,

which together increased almost ninefold in quantity and even more in value during the decade. Artificial dyestuffs nearly doubled in quantity and in value, but the production of natural dyestuffs (included under "All other products") has fallen off greatly, the value of the product being \$1,035,711 in 1899 and only \$233,935 in 1904. It was materially less in 1909, but can not be shown separately without disclosing individual operations. The census report on Forest Products for 1909 gives 386,817,895 pounds as the total consumption of tanning extracts in that year, which quantity exceeds the quantity of oak, chestnut, hemlock, and sumac extracts here reported by over 83,000,000 pounds. This difference can be taken as representing approximately the amount of tanning extract imported or made and consumed in tanning establishments.

Table 68	PRODUCT.	1909	1904	1899
	<b>Total value</b> .....	<b>\$15,954,574</b>	<b>\$10,893,113</b>	<b>\$7,350,748</b>
	Artificial dyestuffs:			
	Pounds.....	12,267,399	4,600,462	6,581,850
	Value.....	\$3,462,436	\$1,764,454	\$1,896,730
	Extracts:			
	Hemlock—			
	Pounds.....	12,588,078	18,831,450	26,011,714
	Value.....	\$280,487	\$406,619	\$563,591
	Logwood—			
	Pounds.....	22,317,248	29,789,606	39,252,743
	Value.....	\$291,974	\$1,472,047	\$1,485,971
	Oak and chestnut—			
	Pounds.....	287,988,285	156,530,123	28,983,036
	Value.....	\$6,081,162	\$2,411,184	\$529,670
	Sumac—			
	Pounds.....	3,148,790	4,093,619	4,349,742
	Value.....	\$107,456	\$95,958	\$103,085
	Ground sumac:			
	Pounds.....	554,032	5,061,333	9,284,000
	Value.....	\$24,531	\$65,190	\$114,660
	Ground bark:			
	Pounds.....	25,142,076	38,001,017	27,028,000
	Value.....	\$176,510	\$249,101	\$149,365
	Ground and chipped wood:			
	Pounds.....	15,046,954	9,999,906	12,690,037
	Value.....	\$143,730	\$95,237	\$201,931
	Gums and dextrins:			
	Pounds.....	16,148,931	6,631,731	(?)
	Value.....	\$610,999	\$231,708	(?)
	Iron liquors:			
	Pounds.....	3,079,418	1,860,744	954,240
	Value.....	\$30,282	\$30,757	\$7,525
	Mordants:			
	Pounds.....	1,735,887	733,245	734,000
	Value.....	\$69,515	\$64,656	\$85,466
	Sizes:			
	Pounds.....	54,054,711	7,812,433	101,920
	Value.....	\$1,735,600	\$217,859	\$2,548
	Tannic acid:			
	Pounds.....	5,085,748	5,165,500	1,326,515
	Value.....	\$249,297	\$200,136	\$149,662
	Turkey-red oil:			
	Pounds.....	1,048,719	3,022,470	2,210,000
	Value.....	\$72,053	\$159,666	\$14,757
	Other tanning liquors:			
	Pounds.....	9,285,048	44,418,929	16,144,292
	Value.....	\$365,304	\$1,704,243	\$405,659
	All other products*.....	\$1,573,248	\$1,724,298	\$1,730,128

\* In addition, dyestuffs and extracts, to the value of \$834,102, in 1909 and \$19,111 in 1904, were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

† Not reported separately.

‡ Including a small production of natural dyestuffs in 1909, a production in 1904 valued at \$253,855, and a production in 1899 valued at \$1,035,711.

NOTE.—The following products were made and consumed in establishments where produced:

	1909	1904
Ground and chipped wood..... pounds..	936,578,482	524,535,744
Ground bark..... pounds..	263,062,168	40,390,640
Ground leaves..... pounds..	1,935,040	3,386,171

**Explosives.**—Table 69 presents the statistics for the explosives industry. The value of all products was \$40,139,661 in 1909 as compared with \$17,125,418 in 1899, an increase of 134.4 per cent.

The production of explosives in the industry proper was 469,481,252 pounds in 1909, 360,980,734 pounds in 1904, and 215,980,720 pounds in 1899, an increase for the decade of 117.4 per cent. If the explosives made by establishments operated by the Federal Government and by establishments engaged primarily in the manufacture of other products be added, the total production in 1909 was 471,181,650 pounds. The output of dynamite formed about three-eighths of the total output of explosives, and its value approximately one-half of the total value of explosives reported. The most important product in respect to quantity of output was blasting powder, including "permissible explosives." Permissible explosives, known in Pennsylvania as safety explosives, were reported separately for the first time in 1909. They are specially designed for use in dusty and gaseous coal mines. The ton of 2,000 pounds is used in showing quantities.

Table 69	1909	1901	1899
MATERIALS.			
Total cost.....	\$22,811,548	\$17,203,667	\$10,334,974
Nitrate of soda:			
Tons.....	188,889	133,034	88,524
Cost.....	\$7,802,336	\$5,608,557	\$2,992,806
Acids:			
Mixed—			
Pounds.....	51,764,694	105,552,404	66,906,146
Cost.....	\$1,512,626	\$3,063,129	\$1,565,754
Nitric—			
Pounds.....	7,591,756	2,669,590	467,587
Cost.....	\$541,314	\$122,047	\$17,171
Sulphuric—			
Tons.....	22,501	18,298	7,864
Cost.....	\$406,204	\$247,301	\$130,669
Sulphur or bromine:			
Tons.....	17,380	19,574	12,742
Cost.....	\$367,866	\$307,460	\$417,383
All other materials.....	\$12,001,202	\$7,624,864	\$5,461,101
PRODUCTS.			
Total value.....	\$50,139,661	\$29,602,884	\$17,125,418
Dynamite:			
Pounds.....	177,155,851	130,920,829	85,846,456
Value.....	\$18,666,746	\$12,900,193	\$8,247,223
Nitroglycerin, sold as such:			
Pounds.....	28,913,253	7,935,936	3,618,692
Value.....	\$3,162,434	\$1,620,117	\$783,299
Blasting powder:			
Keys (25 pounds).....	9,329,087	8,217,448	3,907,012
Value.....	\$9,608,265	\$7,377,977	\$3,857,974
Permissible explosives:			
Pounds.....	9,607,448	(?)	(?)
Value.....	\$863,209	(?)	(?)
Gunpowder:			
Pounds.....	12,862,700	10,383,944	25,638,804
Value.....	\$1,736,427	\$1,541,483	\$1,452,377
Other explosives: <sup>a</sup>			
Pounds.....	7,461,825	6,303,825	3,201,468
Value.....	\$3,913,787	\$4,296,193	\$2,610,103
All other products.....	\$2,155,793	\$1,906,921	\$174,442

\* In addition, 1,481,042 pounds, to the value of \$882,948, were made by Federal establishments, and 219,356 pounds, to the value of \$135,979, by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

† In addition, 1,104,532 pounds, to the value of \$690,032, were made by Federal establishments and by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

‡ Not reported separately.

§ Includes smokeless powder and gun cotton or pyroxylin, to avoid disclosing operations of individual establishments.

NOTE.—The following products were made and consumed in the establishments where produced:

	1909	1904
Salt peter..... pounds..	12,050,225	3,559,376
Nitroglycerin..... pounds..	70,280,167	44,077,828
Sulphuric acid..... tons..	42,555	39,994
Nitric acid..... tons..	31,481	18,888
Charcoal..... bushels..	737,884	1,156,918
Cellulose nitrates..... pounds..	5,000,226	1,000,000
Nitrate of ammonia..... pounds..	10,904,319	6,299,317

**Fertilizers.**—The following table giving statistics for the fertilizer industry does not include the product of establishments engaged primarily in the manufacture of products other than fertilizers, chief of which are slaughtering and meat-packing establishments and cottonseed-oil mills. The value of all products of the industry proper, which includes some that are not fertilizers, was \$103,960,213 in 1909, as compared with \$44,657,385 in 1899, an increase of 132.8 per cent. Including the fertilizer by-products of other indus-

tries, the total production of fertilizers in 1909 was 5,618,234 tons, valued at \$100,089,971. During the period 1899–1909 the tonnage of the fertilizer products of the establishments engaged primarily in the manufacture of fertilizers increased 87.5 per cent. Some of the materials, such as sulphuric acid, are the products of establishments engaged in this industry, and therefore are duplicated in the total value of products. The *ton of 2,000 pounds* is used in showing quantities.

Table 70	1909	1904	1899		1909	1904	1899
MATERIALS.				PRODUCTS.			
Total cost.....	\$69,521,920	\$39,287,914	\$28,958,473	Total value.....	\$103,960,213	\$56,541,253	\$44,657,385
Ammoniates:				Fertilizers:			
Tons.....	778,639	10,540	4,120	Tons.....	5,240,164	3,267,777	2,794,705
Cost.....	\$16,065,978	\$9,915,648	\$9,034,145	Value.....	\$92,369,631	\$50,460,694	\$40,545,661
Ammonium sulphate:				Superphosphates from minerals,			
Tons.....	63,381	10,540	4,120	bones, etc.—			
Cost.....	\$3,640,592	\$600,856	\$189,609	Tons.....	1,201,554	766,338	923,198
Kainit:				Value.....	\$13,318,529	\$7,515,257	\$8,471,943
Tons.....	322,720	190,493	54,700	Ammoniated—			
Cost.....	\$2,783,658	\$1,891,073	\$520,833	Tons.....	472,557	775,987	142,898
Nitrate of soda:				Value.....	\$10,061,193	\$12,901,057	\$2,449,388
Tons.....	85,714	42,213	19,518	Concentrated phosphate—			
Cost.....	\$3,730,070	\$1,700,432	\$709,841	Tons.....	313,888	(?)	(?)
Phosphate rock:				Value.....	\$3,638,210	(?)	(?)
Tons.....	1,529,124	888,571	787,927	Complete—			
Cost.....	\$8,621,694	\$4,244,554	\$3,554,174	Tons.....	2,717,797	1,329,149	1,436,682
Potash salts:				Value.....	\$67,243,899	\$25,673,511	\$25,446,046
Tons.....	257,766	122,107	(?)	Other—			
Cost.....	\$7,327,549	\$3,606,701	\$3,068,400	Tons.....	534,368	394,703	291,927
Pyrites:				Value.....	\$8,107,800	\$4,370,869	\$4,178,284
Tons.....	456,574	342,962	288,778	Sulphuric acid (reduced to 50° Baumé):			
Cost.....	\$2,831,994	\$2,020,759	\$1,466,285	Tons.....	153,057	24,502	71,176
Sulphuric acid:				Value.....	\$923,492	\$194,578	\$437,925
Tons.....	603,672	197,865	231,527	Other acids—			
Cost.....	\$3,312,687	\$1,084,304	\$1,355,382	Tons.....	30,651	45,689	(?)
Sulphur or brimstone:				Value.....	\$611,288	\$241,506	\$17,872
Tons.....	4,236	4,210	12,728	All other products.....	\$10,655,802	\$5,644,475	\$3,655,927
Cost.....	\$68,924	\$92,234	\$268,670				
Superphosphates:							
Tons.....	415,656	330,559	286,898				
Cost.....	\$3,946,440	\$2,912,010	\$2,176,245				
Fish.....	\$3,031,437	\$847,142	\$183,542				
All other materials.....	\$14,161,497	\$10,312,201	\$5,504,347				

<sup>1</sup> Includes for 1904, 125,888 tons of ammoniates classified as such, valued at \$2,445,051; cottonseed meal, valued at \$2,376,448; and bones, tankage, and offal, valued at \$5,094,149; and for 1899, cottonseed meal, valued at \$167,410; and bones, tankage, and offal, valued at \$9,766,735.

<sup>2</sup> Not reported.

<sup>3</sup> In addition, in 1909, 231,287 tons of complete fertilizer, valued at \$1,806,832; 49,632 tons of ammoniated fertilizer, valued at \$943,197; 22,615 tons of superphosphates, valued at \$426,302; 63,581 tons of "other" fertilizer, valued at \$1,365,931; 10,955 tons of concentrated phosphate, valued at \$178,078; and other products to the value of \$190,928; and in 1904, fertilizers, to the value of \$2,069,714, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

NOTE.—The following products were made and consumed in establishments where produced:

	1909	1904
Acid phosphate..... tons.....	1,838,865	884,211
Sulphuric acid..... tons.....	841,953	692,904

**Gas, illuminating and heating.**—The statistics for the gas industry presented in Table 71 include only those establishments which made gas as their main product. The total production of gas made for sale by such establishments and by retort coke ovens combined—but not including the by-products of establishments outside these two industries—was in 1909, 166,627,013 thousand cubic feet, valued at \$141,224,520; in 1904, 116,432,779 thousand cubic feet, valued at \$113,347,032; and in 1899, 68,265,496 thousand cubic feet, valued at \$69,657,604. The increase in quantity for the period 1899–1909 was thus 144.1 per cent, and that in value 102.7 per cent. In addition to the product above reported for 1909, 1,730,563 thousand cubic feet were made and con-

sumed in gas plants and 60,799,543 thousand cubic feet were made and consumed or wasted by retort coking establishments. There is also a large consumption of producer gas and blast-furnace gas by establishments in other industries which produced the gas themselves.

The value of products of the illuminating-gas industry proper aggregated \$166,814,371 in 1909 as compared with \$75,716,693 in 1899, an increase of 120.3 per cent. Only about four-fifths of this value represents that of the gas itself. The industry shows a progressive decrease from census to census in unit values for all kinds of gas with the exception of acetylene gas. The *ton of 2,000 pounds* is used for showing quantities.

<b>Table 71</b>	1909	1904	1899
<b>MATERIALS.</b>			
<b>Total cost.....</b>	<b>\$52,427,644</b>	<b>\$37,180,066</b>	<b>\$20,605,356</b>
Coal:			
Tons.....	4,940,598	4,431,774	2,487,287
Cost.....	\$16,304,832	\$14,607,485	\$7,164,472
Oil:			
Gallons.....	579,657,152	100,989,564	194,857,296
Cost.....	\$17,345,750	\$15,015,602	\$8,168,657
Coke:			
Tons.....	501,919	435,534	217,354
Cost.....	\$2,667,706	\$1,602,762	\$726,736
All other materials.....	\$16,109,556	\$5,954,217	\$4,545,491
<b>PRODUCTS.</b>			
<b>Total value.....</b>	<b>\$166,814,371</b>	<b>\$225,144,945</b>	<b>\$75,716,693</b>
Gas: <sup>2</sup>			
Cubic feet (thousands).....	150,835,793	112,549,979	67,093,553
Value.....	\$138,615,309	\$112,662,568	\$69,452,582
Straight coal—			
Cubic feet (thousands).....	19,985,253	12,693,034	( <sup>1</sup> )
Value.....	\$18,065,841	\$12,868,604	( <sup>1</sup> )
Straight water—			
Cubic feet (thousands).....	1,726,082	715,550	( <sup>1</sup> )
Value.....	\$1,269,031	\$832,140	( <sup>1</sup> )
Carbureted water—			
Cubic feet (thousands).....	79,418,486	54,687,418	( <sup>1</sup> )
Value.....	\$69,513,749	\$48,071,180	( <sup>1</sup> )
Mixed coal and water—			
Cubic feet (thousands).....	40,775,283	40,980,414	( <sup>1</sup> )
Value.....	\$36,858,543	\$45,605,263	( <sup>1</sup> )
Oil—			
Cubic feet (thousands).....	8,688,860	3,441,352	( <sup>1</sup> )
Value.....	\$12,111,458	\$5,141,460	( <sup>1</sup> )
Acetylene—			
Cubic feet (thousands).....	25,186	7,881	( <sup>1</sup> )
Value.....	\$361,348	\$104,267	( <sup>1</sup> )
All other—			
Cubic feet (thousands).....	216,643	24,330	( <sup>1</sup> )
Value.....	\$320,339	\$39,354	( <sup>1</sup> )
Coke:			
Bushels.....	82,049,683	89,146,434	( <sup>1</sup> )
Value.....	\$5,723,215	\$5,195,461	( <sup>1</sup> )
Tar:			
Gallons.....	78,339,880	67,515,421	\$4,283,204
Value.....	\$1,875,549	\$2,064,343	( <sup>1</sup> )
All other products.....	\$13,556,908	\$972,992	( <sup>1</sup> )
Receipts from rents and sales of lamps and appliances.....	\$7,043,390	\$4,249,581	\$2,000,907

<sup>1</sup> Does not include \$4,013,885 paid for lamps and appliances.

<sup>2</sup> In addition, products of gas manufacture to the value of \$261,802 were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation. The items covered by these products were 27,558 (thousands) cubic feet of coal gas, valued at \$29,419; 13,050 (thousands) cubic feet of acetylene gas, valued at \$224,618; 44,347 bushels of coke, valued at \$3,399; 38,370 gallons of tar, valued at \$1,372; and receipts from sale of lamps and appliances to the amount of \$2,994.

<sup>3</sup> Statistics of the gas made in coke establishments are shown in detail under the classification "Coke."

<sup>4</sup> Not reported separately.

<sup>5</sup> In addition, there were 13,513,058 gallons for which no value was reported.

<sup>6</sup> Includes 49,730,220 gallons of ammonia liquor, valued at \$725,702, and 1,154,319 pounds of hydrocarbons, valued at \$44,638.

**NOTE.**—The following products were made and consumed in establishments where produced:

	1909	1904
Coke..... bushels.....	49,550,153	46,561,185
Tar..... gallons.....	31,390,178	14,772,878
Gas, cubic feet..... thousands.....	1,730,593	1,363,757
Benzene or benzol.....	302,994	( <sup>1</sup> )

**Glucose and starch.**—Statistics are presented in Table 72 for the glucose and starch industry for the years 1909 and 1904.

Corn is the principal material used. The value of all products of the industry was \$48,799,311 in 1909 and \$32,649,836 in 1904, the increase for the five-year period being 49.5 per cent. The starch product (gross, including duplication), increased in quantity 89.9 per cent and in value 60.3 per cent, the entire gain being in cornstarch. The percentages of increase in the value of glucose, grape sugar, and corn oil are large, notably that for corn oil. In 1899 the production of starch (in part estimated) was 543,040,000 pounds, greatly exceeding the figures for 1904. The decrease in production from 1899 to 1904 was due in

large measure to the decrease in the export trade of this commodity.

Some establishments included in the industry are engaged primarily in reprocessing starch, resulting in a duplication of products. In 1909 105,299,010 pounds of cornstarch were used as material by such factories, 104,597,648 pounds of cornstarch being obtained as products. The deduction of this duplication from the total gives the quantity of marketable cornstarch produced in 1909 as 534,227,718 pounds.

<b>Table 72</b>	1909	1901
<b>MATERIALS.</b>		
<b>Total cost.....</b>	<b>\$36,898,771</b>	<b>\$25,518,876</b>
Corn:		
Pounds.....	2,240,508,915	( <sup>1</sup> )
Cost.....	\$26,674,779	\$19,074,728
Wheat and roots:		
Pounds.....	1,940,000	( <sup>2</sup> )
Cost.....	\$21,435	( <sup>2</sup> )
Potatoes:		
Pounds.....	210,608,127	209,372,549
Cost.....	\$511,359	\$563,651
Cornstarch:		
Pounds.....	105,299,010	( <sup>3</sup> )
Cost.....	\$1,763,173	( <sup>3</sup> )
Wheat flour:		
Pounds.....	19,545,521	( <sup>2</sup> )
Cost.....	\$48 <sup>2</sup> 28	( <sup>2</sup> )
All other materials.....	\$7,415,762	\$5,880,497
<b>PRODUCTS.</b>		
<b>Total value.....</b>	<b>\$48,799,311</b>	<b>\$32,649,836</b>
Starch:		
Pounds.....	677,335,647	356,695,335
Value.....	\$17,514,823	\$10,927,538
Corn—		
Pounds.....	635,825,366	311,140,814
Value.....	\$15,962,916	\$8,878,450
Wheat and root—		
Pounds.....	12,127,686	17,845,121
Value.....	\$626,337	\$1,124,612
Potatoes:		
Pounds.....	26,582,595	27,709,400
Value.....	\$925,570	\$924,476
Glucose, including all sirups:		
Pounds.....	769,660,210	( <sup>1</sup> )
Value.....	\$17,922,514	\$12,352,616
Grape sugar:		
Pounds.....	159,060,478	( <sup>2</sup> )
Value.....	\$3,620,816	\$2,254,745
Corn oil:		
Gallons.....	8,164,175	( <sup>1</sup> )
Value.....	\$2,892,768	\$1,164,466
Stock food.....	\$6,013,968	\$4,446,479
All other products.....	\$924,422	\$1,503,992

<sup>1</sup> Not reported.

<sup>2</sup> Not reported separately.

<sup>3</sup> In addition, 1,396,991 pounds of cornstarch, valued at \$48,059, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

**Cottonseed, oil and cake.**—The following table presents the statistics for cottonseed products:

<b>Table 73</b>	1909 <sup>1</sup>	1904 <sup>2</sup>	1899
<b>Cotton seed crushed..... tons.....</b>	<b>3,798,549</b>	<b>3,308,930</b>	<b>2,479,386</b>
<b>PRODUCTS.</b>			
<b>Total value.....</b>	<b>\$147,867,894</b>	<b>\$96,407,621</b>	<b>\$58,726,632</b>
Primary products manufactured, whether for sale or for further use:			
Oil..... gallons.....	157,115,659	132,051,801	93,325,728
Meal and cake..... tons.....	1,641,734	1,345,977	884,391
Hulls..... tons.....	1,258,612	1,201,079	1,169,286
Linters..... pounds.....	174,620,099	116,707,298	57,272,053

<sup>1</sup> In addition, products to the value of \$2,017, 05 were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation: these establishments crushed 28,732 tons of seed and produced 1,212,852 gallons of crude oil, 12,811 tons of meal and cake, 8,926 tons of hulls, and 1,132,978 pounds of linters.

<sup>2</sup> In addition, establishments engaged primarily in the manufacture of products other than those covered by the industry designation crushed 36,440 tons of seed and produced 1,765,971 gallons of crude oil, 16,195 tons of meal and cake, 12,265 tons of hulls, and 1,088,691 pounds of linters.

The amount of seed crushed in mills engaged primarily in the industry increased from 2,479,386 tons in 1899 to 3,798,549 tons in 1909, or 53.2 per cent, while the value

of all products, including fertilizer, ice, feed, etc., where carried on in connection with the manufacture of cottonseed products, increased from \$58,726,632 to \$147,867,894, or 151.8 per cent. A marked feature of the industry is the progressive increase in quantity of oil, meal, and linters, and decrease in quantity of hulls per ton of seed crushed. The *ton of 2,000 pounds* is used for showing quantities.

**Oil, essential.**—The products of the essential-oil industry, given in the following table, increased in value from \$813,495 in 1899 to \$1,737,234 in 1909, or 113.6 per cent. The output of natural oils increased in value 58.2 per cent, and of witch-hazel over sevenfold.

Table 74	PRODUCT.	1909	1904	1899
Total value.....		\$1,737,234	\$1,464,662	\$813,495
Natural oils.....		\$1,108,603	\$1,023,937	\$700,709
Peppermint—				
Pounds.....		305,781	130,022	202,550
Value.....		\$919,079	\$170,037	\$188,559
Black burch—				
Pounds.....		67,033	(?)	(?)
Value.....		\$102,045	(?)	(?)
Spermaceti—				
Pounds.....		33,400	(?)	(?)
Value.....		\$83,283	(?)	(?)
Wintergreen—				
Pounds.....		22,281	4,737	2,166
Value.....		\$68,983	\$15,579	\$3,638
Other.....				
Pounds.....		(?)	3,7,908	638,024
Value.....		\$55,213	\$538,321	\$508,512
Witch-hazel—				
Gallons.....		679,190	797,700	110,260
Value.....		\$412,322	\$367,873	\$54,649
All other products.....		\$216,309	\$72,852	\$58,137

<sup>1</sup> In addition, essential oils to the value of \$117,499 in 1909 and \$14,500 in 1904 were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>2</sup> Not reported separately.

<sup>3</sup> The products classified under this head include 49,327 pounds, valued at \$44,494; quantities not reported for the remainder.

**Paint and varnish.**—The inquiry at the present census in regard to specific materials used in the manufacture of paints and varnishes was confined to pig lead and alcohol, the comparative statistics for which, including establishments engaged primarily in the manufacture of products other than those covered by the industry designation, are as follows:

Table 75	MATERIAL.	1909	1904	1899
Pig lead:				
Tons (2,000 pounds).....		145,917	129,629	99,052
Cost.....		\$12,014,859	\$11,214,961	\$8,585,658
Alcohol:				
Gallons.....		1,683,382	1,416,746	388,368
Cost.....		\$920,086	\$928,946	\$461,417
Wood—				
Gallons.....		1,327,157	1,357,082	310,059
Cost.....		\$663,362	\$790,243	\$285,510
Grain—				
Gallons.....		356,225	59,064	78,309
Cost.....		\$236,724	\$138,703	\$175,907

The statistics for paint and varnish products are given in the following table, which does not include the pigments ground in establishments classified as engaged in the manufacture of kaolin and ground earths, the blacks made by establishments classified as engaged in the manufacture of bone, carbon, and lamp black, nor lead or zinc oxide made by lead and zinc smelters. During the period 1899 to 1909 the value of all products increased from \$69,562,235 to \$124,889,422, or 79.5 per cent. Paints in oil constitute

the most important group. The output of pigments, including white lead in oil, increased 141.9 per cent, and that of varnishes and japans 69 per cent in value.

Table 76	PRODUCT.	1909	1904	1899
Total value.....		\$124,889,422	\$90,839,609	\$69,562,235
Pigments.....		\$16,985,585	\$11,965,806	\$13,319,487
White lead, dry—				
Pounds.....		85,234,414	62,395,808	116,102,316
Value.....		\$1,921,803	\$2,877,109	\$4,211,181
Oxides of lead—				
Pounds.....		63,404,846	49,734,330	50,759,623
Value.....		\$3,662,062	\$2,591,772	\$2,550,340
Lampblack and other blacks—				
Pounds.....		1,810,445	757,244	1,065,090
Value.....		\$105,063	\$49,809	\$60,250
Iron oxides and other earth colors—				
Pounds.....		111,674,675	48,345,978	33,453,896
Value.....		\$876,331	\$331,416	\$318,242
Other dry colors—				
Pounds.....		162,409,565	98,194,081	
Value.....		\$6,964,333	\$5,066,083	
Barytes—				
Pounds.....		49,406,025	22,299,980	167,479,090
Value.....		\$268,757	\$134,174	\$5,317,943
Pulp colors, solid masses—				
Pounds.....		28,435,722	25,351,515	20,060,935
Value.....		\$1,277,239	\$915,383	\$861,531
Paints in oil.....		\$56,703,296	\$40,390,059	
White lead in oil—				
Pounds.....		246,567,570	216,496,450	(?)
Value.....		\$15,234,411	\$11,228,889	(?)
Paste—				
Pounds.....		162,356,320	131,940,464	306,410,398
Value.....		\$11,279,459	\$8,713,183	\$17,601,459
Already mixed for use—				
Gallons.....		33,272,033	22,379,020	16,879,595
Value.....		\$30,249,426	\$20,447,987	\$14,864,126
Varnishes and japans.....		\$31,262,535	\$22,871,486	\$18,502,219
Oleoresins—				
Gallons.....		18,476,523		
Value.....		\$17,350,113		
Damar and similar turpentine and benzine varnishes—				
Gallons.....		3,481,231		
Value.....		\$2,836,341		
Spirit varnishes not turpentine—				
Gallons.....		1,181,746	1,533,502	549,811
Value.....		\$1,408,048	\$2,180,713	\$905,229
Pyroxylin varnishes—				
Gallons.....		1,880,141	148,320	160,127
Value.....		\$2,351,425	\$162,163	\$178,826
Dryers, japans and lacquers—				
Gallons.....		9,474,939	(?)	(?)
Value.....		\$5,094,973	\$3,346,355	\$3,084,610
All other.....		\$2,221,635	\$1,478,288	(?)
Fillers.....		\$3,126,271	\$2,344,636	(?)
Lignin—				
Gallons.....		1,159,569	1,051,148	(?)
Value.....		\$823,063	\$785,617	(?)
Paste—				
Pounds.....		14,650,329		
Value.....		\$867,948		
Dry—				
Pounds.....		50,983,472	68,761,174	(?)
Value.....		\$286,728	\$1,559,019	(?)
Putty—				
Pounds.....		63,502,045		
Value.....		\$1,119,532		
Water paints and kalsomine:				
Dry or in paste—				
Pounds.....		47,465,265	27,932,447	(?)
Value.....		\$1,917,038	\$924,807	(?)
Already mixed for use—				
Gallons.....		522,283	123,400	(?)
Value.....		\$61,969	\$9,230	(?)
Lined oil—				
Gallons.....		3,477,004	(?)	(?)
Value.....		\$1,912,594	(?)	(?)
Bleached shellac—				
Pounds.....		3,014,195	(?)	(?)
Value.....		\$578,650	(?)	(?)
All other products.....		\$12,281,481	\$12,333,585	\$5,274,941

<sup>1</sup> In addition, paints and varnishes, to the value of \$2,683,397 in 1909 and \$1,221,238 in 1904, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>2</sup> Includes white lead in oil. <sup>3</sup> Not reported separately. <sup>4</sup> Not reported.

NOTE.—The following products were made and consumed in establishments where produced:

	1909	1904
White lead, dry.....	162,702,089 pounds.	122,288,484 pounds.
Lead oxides.....	4,576,425 gallons.	15,589,147 gallons.
Varnishes.....	4,407,312 gallons.	1,202,674 gallons.
Drying japans and dryers.....	3,000,756 gallons.	988,979 gallons.
Celluloid and other cellulose nitrate solutions.....	20,600 gallons.	1,576,442 gallons.
Pyroxylin and other cellulose nitrates.....	24,750 pounds.	12,000 pounds.
Coppers.....	11,531,005 pounds.	



**Petroleum refining.**—The products of the petroleum-refining industry, statistics for which are presented in the following table, aggregated \$236,997,659 in value in 1909 as compared with \$123,929,384 in 1899, the increase during the decade being 91.2 per cent. This conforms closely to the increase in the cost of crude petroleum used, which was 89.4 per cent. The crude petroleum used increased in quantity from 52,011,005 barrels of 42 gallons in 1899 to 120,775,439 barrels in 1909, or 132.2 per cent, and the refined-oil products aggregated 40,290,985 barrels of 50 gallons in 1899, 46,454,062 barrels in 1904, and 89,082,810 barrels in 1909, an increase for the decade of 136.2 per cent.

Table 77	1909	1904	1899
<b>Crude petroleum used:</b>			
Barrels (42 gallons).....	120,775,439	66,983,862	52,011,005
Cost.....	\$152,307,040	\$107,487,091	\$80,424,207
<b>PRODUCTS.<sup>1</sup></b>			
<b>Total value.....</b>	<b>\$236,997,659</b>	<b>\$175,005,320</b>	<b>\$123,929,384</b>
<b>Oils:</b>			
<b>Illuminating—</b>			
Barrels (50 gallons).....	33,495,798	27,135,094	25,171,289
Value.....	\$94,547,010	\$91,366,434	\$74,694,297
<b>Fuel (including gas oils)—</b>			
Barrels.....	34,034,577	7,209,428	6,045,224
Value.....	\$36,402,883	\$9,205,391	\$7,550,664
<b>Lubricating—</b>			
Barrels.....	10,745,885	6,298,251	3,408,918
Value.....	\$38,834,236	\$23,553,091	\$10,807,214
<b>Naphtha and gasoline (including gas naphtha)—</b>			
Barrels.....	10,896,550	5,811,289	5,615,554
Value.....	\$39,771,959	\$21,314,587	\$13,991,742
<b>Paraffin wax—</b>			
Barrels.....	946,830	794,068	774,924
Value.....	\$9,388,812	\$10,007,274	\$7,791,149
<b>Oil naphthum</b>			
Tons (2,000 pounds).....	233,328	( <sup>2</sup> )	( <sup>2</sup> )
Value.....	\$2,724,752	( <sup>2</sup> )	( <sup>2</sup> )
<b>Residuum or tar—</b>			
Barrels.....	1,787,008	3,187,921	596,615
Value.....	\$2,215,623	\$3,158,361	\$988,455
<b>Greases (lubricating, etc.)—</b>			
Barrels.....	138,302	202,439	572,149
Value.....	\$1,567,647	\$1,394,130	\$2,454,617
<b>Coke and black naphtha—</b>			
Value.....	\$507,695	\$149,653	\$176,281
<b>Sludge acid—</b>			
Tons (2,000 pounds).....	133,215	165,104	( <sup>2</sup> )
Value.....	\$402,295	\$400,480	( <sup>2</sup> )
All other products.....	\$10,524,747	\$14,475,069	\$3,684,965
<b>EQUIPMENT.</b>			
<b>Stills, number.....</b>	<b>2,395</b>	<b>1,907</b>	<b>1,774</b>
Heated by steam—			
Number.....	451	282	290
Capacity (barrels 42 gallons).....	424,564	( <sup>2</sup> )	( <sup>2</sup> )
Heated by superheated steam—			
Number.....	16	15	26
Capacity (barrels 42 gallons).....	6,200	( <sup>2</sup> )	( <sup>2</sup> )
Heated by fire—			
Number.....	1,928	1,610	1,458
Capacity (barrels 42 gallons).....	1,656,534	( <sup>2</sup> )	( <sup>2</sup> )
<b>Agitators, number.....</b>	<b>529</b>	<b>374</b>	<b>327</b>
<b>Chilling boxes for paraffin, number.....</b>	<b>79</b>	<b>67</b>	<b>48</b>
<b>Hydraulic or other presses, number.....</b>	<b>357</b>	<b>311</b>	<b>510</b>
<b>Storage tanks for crude petroleum:</b>			
Number.....	678	304	257
Capacity, gallons.....	242,500,505	245,760,493	( <sup>2</sup> )
<b>Storage tanks for refined petroleum:</b>			
Number.....	6,476	3,575	2,869
Capacity, gallons.....	1,041,627,444	576,458,825	( <sup>2</sup> )
<b>Cooper shops, number.....</b>	<b>53</b>	<b>64</b>	<b>48</b>
<b>Tin shops, number.....</b>	<b>14</b>	<b>17</b>	<b>13</b>

<sup>1</sup> In 1909, 48,580 tons of sulphuric acid, and in 1904, 49,379 tons, were made and consumed in establishments where produced.

<sup>2</sup> Not reported separately.

<sup>3</sup> Not reported.

The largest gain was that in the output of fuel oils, which increased from 7,209,428 barrels in 1904 to 34,034,577 barrels in 1909, as the result of the increase in the refining of low-grade crude oils. The output

of lubricating oils and naphtha also increased very rapidly. The decrease in the value of "all other products" in 1909 as compared with 1904 is due in part to the fact that the products of the box, cooperage, tinware, and paint shops operated by the refineries were included in 1904, but when possible separate reports were obtained for these departments in 1909 and the statistics for them were included with those for other industries at this census.

**Salt.**—The statistics for the salt industry are given in the following table.<sup>1</sup> The value of all products increased from \$7,966,897 in 1899 to \$11,327,834 in 1909, or 42.2 per cent. The production of salt increased from 15,187,819 barrels in 1899 to 29,933,060 barrels in 1909, or 97.1 per cent, while the value of the product increased from \$5,869,362 to \$8,311,729, or 41.6 per cent, the average value per barrel decreasing from 39 cents in 1899 to 28 cents in 1909 on account of the greatly increased proportion of the lower grades of salt manufactured. The barrel of 280 pounds is used in showing quantities.

Table 78	PRODUCT.	1909	1904	1899
<b>Total value.....</b>		<b>\$11,327,834</b>	<b>\$9,437,662</b>	<b>\$7,966,897</b>
<b>Salt:</b>				
Barrels.....		29,933,060	17,128,572	15,187,819
Value.....		\$8,311,729	\$6,855,734	\$5,869,362
<b>Bromine:</b>				
Pounds.....		728,875	261,665	279,437
Value.....		\$92,755	\$72,584	\$54,921
All other products.....		\$2,923,370	\$2,499,344	\$2,632,614
<b>Salt, classified by grade (barrels).</b>				
Table and dairy.....		3,042,824	3,119,091	1,866,058
Common fine.....		7,745,204	6,254,203	6,866,126
Common coarse.....		2,843,393	1,878,096	2,435,282
Packers.....		385,802	408,943	182,950
Coarse solar.....		1,109,396	1,677,182	910,974
Rock salt, mined.....		5,938,721	3,416,835	2,543,679
Milling, other grades, and brine.....		8,867,720	283,562	182,770
<b>Process employed.</b>				
<b>Total number of establishments.....</b>		<b>124</b>	<b>146</b>	<b>159</b>
<b>Number reporting:</b>				
Solar.....		46	63	( <sup>2</sup> )
Kettle.....		1	7	( <sup>2</sup> )
Grainer.....		50	70	( <sup>2</sup> )
Open pan.....		11	12	( <sup>2</sup> )
Vacuum pan.....		21	20	( <sup>2</sup> )

<sup>1</sup> In addition, 25,043 barrels of salt, to the value of \$8,415, were produced by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>2</sup> Includes potassium bromide.

<sup>3</sup> Not reported.

**Soap.**—The statistics for the soap industry given in Table 79 for 1909 and 1904 include those for the soap factories operated by the owners of slaughtering and meat-packing establishments as well as for establishments engaged primarily in the manufacture of soap. In 1899 the manufacture of soap and of candles was reported as one industry, the value of products being \$53,231,017. In 1904 the value of the combined products of these industries was \$72,164,062 and in 1909, \$114,488,298.

The cost of the materials used in the soap industry was \$72,179,418 in 1909 and \$43,625,608 in 1904, the

<sup>1</sup> The statistics differ from those published by the United States Geological Survey, which include Hawaii and Porto Rico.

increase for the five-year period being 65.5 per cent. The value of all products was \$111,357,777 in 1909 and \$68,274,700 in 1904, the increase for the five-year period being 63.1 per cent. With the addition of the by-products from establishments in other industries the total value of soap products was \$115,455,172 in 1909. The chief soap product was hard soap, which, including that made in establishments engaged primarily in the manufacture of products other than soap, aggregated 883,583 net tons in 1909. Glycerin is an important product of the soap industry. Reference should be made to Table 66 for the glycerin product of chemical establishments.

Table 79

	1909	1904
<b>MATERIALS.</b>		
<b>Total cost.</b> .....	<b>\$72,179,418</b>	<b>\$43,625,608</b>
Tallow, grease, and other fats:		
Pounds.....	413,969,787	475,618,277
Cost.....	\$23,341,905	\$19,723,311
Cocoonit and palm-kernel oil:		
Gallons.....	11,856,837	6,833,132
Cost.....	\$5,875,294	\$2,692,034
Cottonseed oil:		
Gallons.....	24,221,712	13,276,006
Cost.....	\$9,718,088	\$3,882,987
Rosin:		
Pounds.....	207,296,447	168,107,246
Cost.....	\$4,362,412	\$2,734,848
Feet:		
Pounds.....	94,050,892	50,761,740
Cost.....	\$2,453,609	\$1,222,982
Caustic soda:		
Tons (2,000 pounds).....	52,172	71,551
Cost.....	\$2,212,232	\$2,843,988
Soda ash:		
Tons (2,000 pounds).....	121,016	53,777
Cost.....	\$2,281,787	\$1,011,694
All other materials.....	\$21,933,191	\$9,513,764
<b>PRODUCTS.</b>		
<b>Total value.</b> .....	<b>\$111,357,777</b>	<b>\$68,274,700</b>
Hard soap:		
Pounds.....	1,736,749,466	1,355,358,649
Value.....	\$88,559,830	\$56,578,456
Soft soap:		
Pounds.....	44,032,615	33,613,416
Value.....	\$943,676	\$667,064
Glycerin:		
Pounds.....	239,689,300	27,660,661
Value.....	\$5,713,558	\$2,958,115
Special soap articles.....	\$731,823	\$554,881
All other products.....	\$15,417,890	\$7,216,154

<sup>1</sup> In addition, the following products were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation:

	1909	1904
<b>Soap:</b>		
Hard—		
Pounds.....	39,424,855	31,251,795
Value.....	\$1,279,094	\$1,148,920
Soft—		
Pounds.....	15,984,055	10,285,839
Value.....	\$325,511	\$94,017
Glycerin:		
Pounds.....	27,206,721	565,000
Value.....	\$1,076,706	\$45,200
All other products.....	\$1,416,174	\$148,981

<sup>2</sup> In addition, 5,397,519 pounds were reported with no value.

<sup>3</sup> In addition, 25,319 pounds were reported with no value.

NOTE.—The following products were made and consumed in establishments where produced:

	1909	1904
Red oil.....	gallons 3,175,795	1,149,346
Tallow.....	pounds 17,709,219	10,613,371
Cottonseed oil.....	gallons 2,422,865	920,410
Caustic lye, 30° Baumé.....	gallons 15,931,639	9,568,522
Sodium silicate.....	pounds 37,466,246	1,597,886
Glycerin.....	pounds 5,816,279	3,433,329
Pruned soap.....	pounds 327,570,158	114,452,424

**Sulphuric, nitric, and mixed acids.**—Comparative statistics for the products of establishments engaged primarily in the manufacture of sulphuric, nitric, and mixed acids are given in the following table. The total value of products was \$9,884,057 in 1909, as compared with \$8,596,390 in 1899, an increase of 15 per cent. This increase was chiefly in sulphuric acid, the output of which increased in quantity (on the basis of 50° acid) 88.8 per cent and in value 38.3 per cent. The ton of 2,000 pounds is used in showing quantities.

Table 80	PRODUCT.	1909	1904	1899
	<b>Total value.</b> .....	<b>\$9,884,057</b>	<b>\$9,052,646</b>	<b>\$8,596,390</b>
	<b>Acids.</b> .....	<b>\$7,567,274</b>	<b>\$6,955,078</b>	<b>\$6,209,872</b>
	Sulphuric—			
	Tons, reduced to 50° Baumé.....	855,191	467,614	452,942
	Value.....	\$4,629,496	\$4,286,312	\$4,071,848
	66° Baumé—			
	Tons.....	267,476	199,663	250,328
	Value.....	\$3,158,097	\$2,886,179	\$3,244,586
	69° Baumé—			
	Tons.....	73,073	13,634	13,650
	Value.....	\$401,734	\$121,432	\$199,380
	50° Baumé—			
	Tons.....	2362,636	2151,077	60,387
	Value.....	\$2,069,665	\$1,778,701	\$627,882
	Nitric—			
	Pounds.....	8,396,326	30,306,555	20,402,570
	Value.....	\$499,303	\$1,446,471	\$1,028,266
	Mixed—			
	Pounds.....	45,361,626	42,812,894	42,301,319
	Value.....	\$1,438,475	\$1,222,265	\$1,109,758
	All other products.....	\$2,316,783	\$2,067,568	\$2,386,518

<sup>1</sup> In addition, the following products were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation:

	1909	1904
<b>Acids:</b>		
Sulphuric (50°)—		
Tons.....	621,801	433,377
Value.....	\$4,455,263	\$3,655,899
Nitric—		
Pounds.....	18,929,620	15,957,526
Value.....	\$587,795	\$504,473
Mixed—		
Pounds.....	11,820,542	22,518,433
Value.....	\$222,312	\$735,061
All other products.....	\$511,532	.....

<sup>2</sup> Includes the equivalent of 27,602 tons of oleum.

<sup>3</sup> Includes the equivalent of 13,268 tons of oleum.

NOTE.—In 1909, 1,271,535 tons of sulphuric acid (50°) and 110,760,619 pounds of nitric acid, and in 1904, 968,455 tons of sulphuric acid (50°) and 62,116,306 pounds of nitric acid were made and consumed in establishments where produced.

Including by-products from establishments engaged primarily in the manufacture of products other than those covered by the industry designation, the total production of these acids for sale in 1909 and 1904 was as follows:

Table 81	KIND.	1909	1904
	<b>Sulphuric acid (50°):</b>		
	Tons.....	1,476,962	900,991
	Value.....	\$10,084,759	\$7,942,211
	<b>Nitric acid:</b>		
	Pounds.....	27,325,946	46,264,081
	Value.....	\$1,357,098	\$2,250,944
	<b>Mixed acids:</b>		
	Pounds.....	57,182,168	65,331,327
	Value.....	\$1,860,787	\$1,957,356

A large amount of sulphuric acid made and consumed in the establishments where manufactured, particularly in fertilizer factories, must be taken into

account in considering the total production. The following table gives the total production for the three census years:

Table 82	SULPHURIC ACID.	1909	1904	1899
Total, reduced to 50° Baumé acid..... tons..		2,748,527	1,869,437	1,548,123
For sale.....		1,476,992	900,992	783,768
For consumption.....		1,271,535	968,445	764,355

**Turpentine and rosin.**—The products of the turpentine and rosin industry for which statistics are presented in the following table increased in value from \$20,344,888 in 1899 to \$25,295,017 in 1909, or 24.3 per cent, but the gain was due wholly to the great increase in the price of rosin. The turpentine product decreased in both quantity and value during the decade. The output of rosin also decreased 24.9 per cent, but its value increased 145.2 per cent. The average value of rosin per barrel increased from \$1.18 in 1899 to \$3.85 in 1909.

Table 83	PRODUCT.	1909	1904	1899
Total value.....		\$25,295,017	\$23,937,024	\$20,344,888
Turpentine:				
Gallons.....		28,988,954	30,687,051	38,498,170
Value.....		\$12,654,228	\$15,170,499	\$14,960,235
Rosin:				
Barrels (280 pounds).....		3,263,857	3,508,347	4,348,094
Value.....		\$12,576,721	\$5,725,619	\$5,129,268
Dross and other products.....		\$64,068	\$40,906	\$255,385

<sup>1</sup> In addition, 682,702 gallons of turpentine, valued at \$243,491, was produced by wood distillation.

#### CLAY, GLASS, AND STONE PRODUCTS.

Under this general head are assembled the industries using clay, sand, and stone as basic materials, namely, the manufacture of brick, tile, pottery, terracotta, and fire-clay products, and that of cement, glass, and lime.

The statistics for all these industries, except glass manufacture, were collected in 1909 in cooperation with the United States Geological Survey, and the tables include, except as otherwise stated, the respective products made by establishments engaged primarily in the manufacture of other products as well as those establishments making such products as their principal business.

**Brick and tile, and pottery, terra-cotta, and fire-clay products.**—Table 84 summarizes the statistics in regard to the products of the brick and tile, pottery, and terra-cotta and fire-clay products industries. The total value of these classes of products was \$168,895,365 in 1909 and \$95,533,862 in 1899, the increase during the decade being 76.8 per cent. Of the total value of products in 1909, that of brick formed 57.5 per cent, that of tile and allied products 23.2 per cent, and that of pottery 18.4 per cent. The percentages were practically the same in 1904 and 1899. Some of the classes show large ratios of in-

crease, notably porcelain electrical supplies and building terra cotta, including architectural terra cotta, fireproofing, and tiling.

Table 84	PRODUCT.	1909	1904	1899
Total value.....		\$168,895,365	\$135,352,854	\$95,533,862
Brick and tile, terra-cotta, and fire-clay products.....		\$136,387,846	\$109,603,306	\$76,551,645
Brick.....		\$97,137,844	\$78,728,083	\$58,640,228
Common—				
Thousand.....		9,787,671	8,683,897	7,654,528
Value.....		\$57,216,789	\$51,239,871	\$39,674,749
Fire—				
Thousand.....		838,167	678,362	800,862
Value.....		\$16,620,695	\$11,752,625	\$8,636,562
Virtrified, paving, etc.—				
Thousand.....		1,023,654	715,559	590,720
Value.....		\$11,269,586	\$7,256,088	\$4,828,456
Front, including fancy colored and fancy or ornamental—				
Thousand.....		821,641	626,142	451,420
Value.....		\$9,886,292	\$7,355,511	\$5,170,492
Sand lime.....		\$1,150,580	\$698,003	(1)
Enamelled.....		\$993,902	\$445,985	\$329,969
Drain tile.....		\$9,798,978	\$5,522,198	\$3,662,184
Sewer pipe.....		\$10,322,324	\$8,416,069	\$4,660,334
Architectural terra cotta.....		\$6,251,625	\$3,792,763	\$2,027,532
Fireproofing, terra-cotta lumber and hollow building tile, or blocks.....		\$4,466,708	\$4,317,312	\$1,665,031
Tile, not drain.....		\$5,291,963	\$2,725,717	\$1,276,300
Stove lining.....		\$423,583	(1)	\$416,235
Other.....		\$2,694,821	\$5,501,224	\$4,303,801
Pottery.....		\$31,048,341	\$25,834,513	\$17,222,040
White ware, including C. C. ware, white granite, semiporcelain ware, and semivitreous porcelain ware.....		\$13,728,316	\$9,195,703	\$6,376,351
Sanitary ware.....		\$5,980,295	\$3,932,506	\$2,211,877
Stoneware and yellow and Rockingham ware.....		\$3,993,859	\$3,481,521	\$2,130,263
Porcelain electrical supplies.....		\$3,047,499	\$1,500,283	\$170,355
China, bone china, Delft and Beljeek ware.....		\$1,766,766	\$3,478,627	\$1,297,978
Red earthenware.....		\$804,806	\$821,695	\$762,200
Other.....		\$1,717,800	\$3,424,178	\$3,972,956
All other products.....		\$1,459,178	\$515,035	\$1,760,177

<sup>1</sup> Not reported separately.

<sup>2</sup> Product of Ohio included in "other" pottery.

**Cement.**—The statistics of products for the cement industry for 1909 and 1904, given in the following table, show a total value of \$63,205,455 in 1909 as compared with \$29,873,122 in 1904, the rate of increase for the five-year period being 111.6 per cent. In 1899 the statistics for the lime and cement industries were combined, the products aggregating \$28,673,735 in value. The value of the combined lime and cement product in 1909 was \$81,157,442, the increase for the decade being 183 per cent.

During the period 1904–1909 the output of cement increased 110.5 per cent in quantity, all of the increase being in Portland cement, while the output of natural cement and of puzzolan cement decreased greatly. Portland cement formed 97.5 per cent of the total in 1909, as compared with 83.7 per cent in 1904.

Table 85	PRODUCT.	1909	1904
Total value.....		\$63,205,455	\$29,873,122
Cement:			
Barrels.....		66,680,715	31,675,257
Value.....		\$33,610,563	\$26,031,920
Portland—			
Barrels.....		64,991,431	26,505,881
Value.....		\$32,858,354	\$23,355,119
Natural—			
Barrels.....		1,537,638	4,866,331
Value.....		\$652,756	\$2,450,150
Puzzolan—			
Barrels.....		160,646	303,045
Value.....		\$99,453	\$226,651
All other products.....		\$9,594,892	\$3,841,202

<sup>1</sup> The statistics differ from those published by the United States Geological Survey, which include Porto Rico.

**Glass.**—The following table presents comparative statistics for the glass industry, giving the total cost of materials and the total value of products, together with the quantities of the principal materials and products, for the years 1909, 1904, and 1899. There was an increase of 62.9 per cent in the value of all

products for 1909 as compared with 1899. The increase in the value of building glass amounted to 53.9 per cent; that in the value of pressed and blown glass to 60.4 per cent; and that in the value of bottles and jars to 66.2 per cent. The *ton of 2,000 pounds* is used in showing quantities.

Table 86	1909	1904	1899	1909	1904	1899
PRINCIPAL MATERIALS.				PRODUCTS—continued.		
Total cost.....	\$32,119,499	\$26,145,522	\$16,731,000	Building glass—Continued.		
Glass sand, tons.....	1,004,086	769,792	581,720	Skylight.....	15,409,966	15,255,541
Soda ash (carbonate of soda), tons.....	373,764	215,462	157,779	Value.....	\$788,726	\$678,391
Salt cake (sulphate of soda), tons.....	76,540	53,905	53,257	All other.....	\$964,599	\$1,133,214
Nitrate of soda, tons.....	19,676	11,915	10,779	Pressed and blown glass.....	\$27,308,445	\$21,956,158
Limestone, tons.....	156,377	113,655	91,015	Tableware, 100 pieces.....	1,296,056	1,283,974
Lime, bushels.....	1,256,117	1,160,342	993,349	Jellies, tumblers, and goblets, dozen.....	11,687,036	7,346,214
Arsenic, pounds.....	3,140,720	2,676,650	2,349,291	Lamps, dozen.....	322,482	807,705
Carbon, tons.....	5,480	3,750	4,155	Chimneys, dozen.....	6,632,967	6,901,192
Manganese, pounds.....	3,882,465	3,096,929	1,493,538	Lantern globes, dozen.....	932,620	1,765,247
Litharge and red lead, pounds.....	11,653,149	9,613,649	8,386,106	Globes and other electrical goods, dozen.....	11,738,798	1,901,415
Potash or pearl ash, pounds.....	6,938,355	5,446,338	4,406,211	Shades, globes, and other gas goods, dozen.....	1,541,449	878,244
Grinding sand, tons.....	706,689	410,856	265,438	Blown tumblers, stem ware, and bar goods, dozen.....	9,182,060	6,282,606
Rouge, pounds.....	1,383,182	1,098,566	897,536	Opal ware, dozen.....	3,065,669	1,091,208
PRODUCTS.				Cut ware, dozen.....	206,536	83,736
Total value.....	\$92,095,203	\$79,607,998	\$56,539,712	Bottles and jars.....	\$36,018,333	\$33,631,063
Building glass.....	\$26,308,438	\$21,697,861	\$17,066,234	Prescriptions, vials, and druggists' ware, gross.....	3,624,022	3,202,586
Window.....				Beer, soda, and mineral, gross.....	2,345,204	2,151,852
50-foot boxes.....	6,921,611	4,852,315	4,341,282	Liquors and flasks, gross.....	1,887,344	1,985,374
Value.....	\$11,742,959	\$11,610,851	\$10,879,355	Milk jars, gross.....	440,302	233,651
Plate.....				Fruit jars, gross.....	1,124,485	1,061,829
Total cast, square feet.....	60,105,694	34,804,986	21,172,129	Battery jars and other electrical goods, gross.....	9,981	19,974
Polished.....				Patent and proprietary, gross.....	1,637,798	1,296,131
Square feet.....	47,370,254	27,292,138	16,883,578	Packers and preservers, gross.....	1,237,175	1,237,665
Value.....	\$12,204,875	\$7,978,253	\$5,168,598	Demijohns and carboys, dozen.....	122,570	64,450
Rough, made for sale.....	295,690	17,784	628,684	All other products.....	\$2,369,967	\$2,322,916
Square feet.....	\$37,431	\$5,529	\$75,887			\$690,562
Cathedral.....						
Square feet.....	7,405,980	6,615,093	8,846,361			
Value.....	\$569,848	\$293,623	\$367,252			

<sup>1</sup> In addition, 42,639 gross of bottles and jars, valued at \$90,490, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>2</sup> In addition, glassware to the value of \$9,663 was made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>3</sup> Not reported.

**Lime.**<sup>1</sup>—The total value of the lime reported as manufactured in 1909 was \$13,763,604 as compared with \$9,951,456 in 1904, an increase for the five-year period of 38.3 per cent. The quantity reported in 1909 was 3,467,523 tons (2,000 pounds), of which 1,904,202 tons was used for building or structural purposes; 591,792 tons for fertilizing; and the remainder in various manufacturing establishments, such as paper mills, tanneries, sugar factories, and alkali works. The value of all products reported by establishments engaged primarily in the manufacture of lime was \$17,951,987 in 1909 and \$14,751,170 in 1904.

#### VEHICLES FOR LAND TRANSPORTATION.

Under the above heading are given statistics for the manufacture of automobiles, bicycles, motorcycles, and carriages and wagons, and the construction of steam and electric railroad cars, and also for the operations of the construction and repair shops of railroads.

**Automobiles.**—The statistics for automobiles are presented in Table 87. Under "all other products" are included the products of establishments engaged

in the manufacture of automobile bodies and parts, which are sold largely to automobile manufacturers, as well as the value of bodies and parts made and sold separately by automobile manufacturers. The total value of products for the industry thus involves considerable duplication. The growth of the automobile industry has been phenomenal. In 1899 the general statistics for the industry were included with those for carriage and wagon manufacture, and only 3,897 automobiles were reported. In 1904 the total number, including automobiles made by concerns classified under other industries, was 22,830, while in 1909 the number was 127,287, or nearly thirty-three times the number reported in 1899.

The value of all products of the industry proper was \$249,202,073 in 1909 and \$30,033,536 in 1904. Gasoline machines formed 95.1 per cent of the total number made in 1909 and 86.2 per cent in 1904. Of the total number manufactured in 1909, 3,226, or 2.5 per cent, were rated at 50 horsepower or more; 51,218, or 40.5 per cent, at from 30 to 49 horsepower; 35,257, or 27.8 per cent, at from 20 to 29 horsepower; 29,353, or 23.2 per cent, at from 10 to 19 horsepower; and 7,539, or 6 per cent, at less than 10 horsepower. Passenger vehicles constituted 97.4 per cent of the total number and business vehicles 2.6 per cent.

<sup>1</sup> The statistics differ from those published by the United States Geological Survey, which include Hawaii and Porto Rico.

Table 87

PRODUCT.	1909		1904	
	Number.	Value.	Number.	Value.
<b>Total value.....</b>		<b>\$249,202,075</b>		<b>\$30,033,536</b>
<b>Automobiles.....</b>	126,593	164,269,524	21,692	23,751,234
Gasoline.....	126,593	153,527,153	18,699	19,567,841
Electric.....	3,826	7,259,430	1,425	2,496,255
Steam.....	2,374	3,480,241	1,568	1,688,038
<b>Passenger vehicles (pleasure, family, and public conveyances).....</b>	123,338	159,039,301	21,281	22,804,287
Gasoline.....	117,033	149,530,252	18,504	19,390,654
Electric.....	3,331	6,028,828	1,211	1,810,355
Steam.....	2,374	3,480,241	1,566	1,684,023
Buggies.....	4,582	2,391,250	(*)	(*)
Gasoline.....	4,314	2,039,129	(*)	(*)
Electric.....	268	352,121	(*)	(*)
Runabouts.....	36,204	28,030,479	12,131	8,831,504
Gasoline.....	35,347	27,116,904	10,999	7,976,821
Electric.....	496	648,630	455	453,304
Steam.....	331	264,948	677	401,379
Touring cars.....	76,114	113,403,188	7,230	11,781,521
Gasoline.....	73,883	109,844,295	6,444	10,576,023
Electric.....	243	387,526	39	55,088
Steam.....	1,988	3,171,367	757	1,150,469
Closed (limousine, cabs, etc.).....	5,215	12,729,304	(*)	(*)
Gasoline.....	3,290	8,762,708	(*)	(*)
Electric.....	1,915	3,966,536	(*)	(*)
<b>All other (omnibuses, sight-seeing wagons, ambulances, patrol wagons, etc.).....</b>	1,233	2,485,060	1,930	2,191,262
Gasoline.....	1,233	1,627,100	1,930	1,627,100
Electric.....	409	674,015	717	1,311,253
Steam.....	25	43,926	152	132,199
<b>Business vehicles (merchandise).....</b>	3,255	5,230,023	411	946,947
Gasoline.....	2,760	3,999,421	195	266,287
Electric.....	495	1,230,602	214	676,660
Steam.....	2	2	2	4,000
<b>Delivery wagons.....</b>	1,862	1,918,856	251	455,457
Gasoline.....	1,645	1,474,093	140	215,897
Electric.....	217	444,793	109	235,560
Steam.....	2	2	2	4,000
<b>Trucks.....</b>	1,366	3,165,512	160	491,490
Gasoline.....	1,090	2,384,703	55	50,390
Electric.....	276	780,899	105	441,100
<b>All other.....</b>	27	145,655	(*)	(*)
Gasoline.....	25	140,655	(*)	(*)
Electric.....	2	5,000	(*)	(*)
<b>All other products, including bodies and parts.....</b>		<b>\$78,584,753</b>		<b>5,431,249</b>
<b>Amount received for custom work and repairing.....</b>		<b>6,317,998</b>		<b>851,053</b>

<sup>1</sup> In addition, 694 automobiles, valued at \$830,080, and bodies and parts valued at \$4,155,266, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>2</sup> In addition, 1,138 automobiles, valued at \$879,205, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>3</sup> Not reported separately.

<sup>4</sup> None reported.

<sup>5</sup> Includes custom work and repairing by establishments manufacturing bodies and parts.

**Bicycles and motorcycles, and parts.**—The following table presents the comparative statistics of products for the bicycle and motorcycle industry. It does not include children's bicycles and tricycles. A marked feature is the decline in the manufacture of bicycles and tricycles and the increase in the manufacture of motorcycles.

Table 88

PRODUCT.	1909	1904	1899
<b>Total value.....</b>	<b>\$10,698,567</b>	<b>\$5,153,240</b>	<b>\$31,915,908</b>
<b>Bicycles.....</b>			
Number.....	168,824	225,309	1,112,880
Value.....	\$2,436,996	\$3,203,505	\$22,127,310
<b>Tricycles.....</b>	(*)	32	328
Number.....	(*)	32	328
Value.....	(*)	\$3,350	\$17,261
<b>Motorcycles.....</b>			
Number.....	18,628	2,300	160
Value.....	\$3,015,988	\$164,980	\$33,674
<b>All other products, including parts.....</b>	<b>\$5,245,583</b>	<b>\$1,591,405</b>	<b>\$9,737,663</b>

<sup>1</sup> In addition, the following products were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation: In 1909, 61,883 bicycles, valued at \$791,193, and other products, including parts, etc., valued at \$579,027; in 1904, 25,178 bicycles, valued at \$57,415; 26 motorcycles, valued at \$4,200; and other products, including parts, valued at \$34,341; and in 1899, 69,811 bicycles, valued at \$1,529,177, and other products valued at \$24,000.

<sup>2</sup> None reported.

The total value of products of the industry decreased from \$31,915,908 in 1899 to \$5,153,240 in 1904, but by 1909 it had risen again to \$10,698,567, or more than double the figures for 1904.

**Carriages and wagons and materials.**—The following table presents statistics for the manufacture of carriages and wagons, including under "All other products" the products of establishments engaged in the manufacture of carriage and wagon materials, but not including children's carriages and sleds. The total value of products increased from \$138,261,763 in 1899 to \$159,892,547 in 1909, or 15.6 per cent. The value of wagons increased \$8,852,172, or 28.5 per cent, though the number manufactured was very little larger in 1909 than in 1899. The carriages reported were both fewer in number and lower in value in 1909 than in 1899. Public conveyances also show a decrease in value, but a slight increase in number. In each of these three classes the decreases that appear for the decade as a whole have taken place entirely since 1904, in which year the numbers and values reported exceeded those for 1899. The decreases are presumably due to the growth of the automobile industry.

Table 89

PRODUCT.	1909	1904	1899
<b>Total value.....</b>	<b>\$159,892,547</b>	<b>\$155,868,849</b>	<b>\$138,261,763</b>
<b>Carriages (family and pleasure):</b>			
Number.....	828,411	937,409	904,639
Value.....	\$47,756,118	\$55,750,276	\$51,205,393
<b>Wagons:</b>			
Number.....	587,685	643,755	576,428
Value.....	\$39,962,910	\$37,195,230	\$31,080,738
<b>Business:</b>			
Number.....	154,631	133,422	(*)
Value.....	\$16,440,816	(*)	(*)
<b>Farm:</b>			
Number.....	429,952	505,025	(*)
Value.....	\$22,615,875	(*)	(*)
<b>Government, municipal, etc.:</b>			
Number.....	3,102	5,308	(*)
Value.....	\$876,219	(*)	(*)
<b>Public conveyances (cabs, hacks, hansoms, hotel coaches, omnibuses, etc.):</b>			
Number.....	2,243	2,711	2,218
Value.....	\$939,267	\$1,314,952	\$1,114,090
<b>Sleighs and sleds:</b>			
Number.....	100,899	127,455	117,006
Value.....	\$2,065,530	\$2,094,560	\$2,290,938
<b>Automobiles:</b>			
Number.....	544	199	174
Value.....	\$609,119	\$235,675	\$129,053
<b>All other products, including parts, and amount received for repair work.....</b>	<b>\$98,629,283</b>	<b>\$58,678,156</b>	<b>\$52,351,586</b>

<sup>1</sup> In addition, 14,908 carriages, valued at \$1,078,935; 42,112 wagons, valued at \$2,093,288; 104 public conveyances, valued at \$5,615; 8,299 sleighs and sleds, valued at \$165,917; and parts and materials, valued at \$1,184,256, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>2</sup> In addition, carriages and wagons, valued at \$612,173, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>3</sup> Not reported separately.

<sup>4</sup> Automobiles manufactured in establishments devoted primarily to the manufacture of carriages and wagons.

**Cars and general shop construction and repairs by steam-railroad companies.**—Table 90 presents statistics of the work done by construction and repair shops operated by steam-railroad companies, not including roundhouses where running repairs are made. The total value of such work was \$405,600,727 in 1909 and \$218,238,277 in 1899, the rate of increase

for the decade being 85.9 per cent. Most of the value represents that of repairs, comparatively little representing new construction.

Table 90	CLASS OF WORK.	1909	1904	1899
	<b>Total value</b> .....	<b>\$405,500,727</b>	<b>\$309,775,089</b>	<b>\$218,238,277</b>
	Motive power and machinery department.....	\$184,971,870	\$149,643,953	\$94,447,260
	Locomotives built:			
	Number.....	215	148	272
	Value.....	\$3,289,140	\$1,853,399	\$3,276,393
	Repairs to locomotives, mules, etc.....	\$127,928,773	\$101,326,805	\$57,383,143
	Work for other corporations.....	\$4,735,004	\$5,081,307	\$3,338,589
	All other products or work.....	\$49,018,953	\$40,781,902	\$30,449,135
	Car department.....	\$109,768,939	\$149,748,820	\$118,376,552
	Cars built.....	\$13,326,171	\$12,990,011	\$16,521,352
	Passenger.....			
	Number.....	218	414	390
	Value.....	\$1,291,354	\$2,337,977	\$1,441,733
	Freight—			
	Number.....	13,972	14,742	26,543
	Value.....	\$11,767,664	\$10,066,642	\$15,079,619
	Other—			
	Number.....	359	2,000	(?)
	Value.....	\$267,153	\$645,392	(?)
	Repairs to cars of all kinds.....	\$147,194,065	\$105,319,052	\$74,665,500
	Work for other corporations.....	\$8,784,239	\$6,946,990	\$7,084,857
	All other products or work.....	\$30,464,464	\$24,492,787	\$20,104,843
	Bridge and building departments (shopwork).....	\$2,799,898	\$5,096,141	\$5,414,465
	Repairs and renewals.....	\$1,906,737	\$4,351,487	\$3,937,170
	Work for other corporations.....	\$46,496	\$40,581	\$241,026
	All other products or work.....	\$46,695	\$704,073	\$1,235,609
	All other products and work, not classified.....	\$18,060,020	\$5,286,175	(?)

<sup>1</sup> Includes Alaska.

<sup>2</sup> None reported.

**Cars and general shop construction and repairs by street-railroad companies.**—The following table presents statistics of the operations of the construction and repair shops of street-railroad companies, including all electric systems and interurban electric lines—all railroads, in fact, except steam roads. The work done, which consists almost wholly of repairs, was not reported in detail in 1899, but its aggregate value in that year was \$9,370,811, as compared with \$13,437,121 in 1904 and \$31,962,561 in 1909, an increase for the decade of 241.1 per cent.

Table 91	CLASS OF WORK.	1909	1904
	<b>Total value</b> .....	<b>\$31,962,561</b>	<b>\$13,437,121</b>
	Motive power and machinery department.....	\$4,510,332	\$510,946
	Repairs to motors, etc.....	\$4,004,336	
	Work for other corporations.....	\$88,070	\$2,626
	All other products or work.....	\$1,417,926	\$568,520
	Car department.....	\$25,835,463	\$12,581,365
	Cars built.....	\$626,752	\$605,144
	Passenger.....		
	Number.....	129	288
	Value.....	\$498,709	\$580,669
	Freight—		
	Number.....	63	13
	Value.....	\$50,102	\$11,366
	Other—		
	Number.....	51	9
	Value.....	\$68,941	\$13,109
	Repairs to cars of all kinds.....	\$22,869,777	\$11,254,505
	Work for other corporations.....	\$624,405	\$36,714
	All other products or work.....	\$1,714,129	\$685,002
	Bridge and building department (shopwork).....	\$330,948	\$327,855
	Repairs and renewals.....	\$273,581	\$253,133
	Work for other corporations.....	\$5,093	
	All other products or work.....	\$52,274	\$74,722
	All other products and work not classified.....	\$1,285,818	\$16,955

<sup>1</sup> Includes value of three electric locomotives.

**Cars, steam-railroad.**—The statistics of establishments constructing steam-railroad cars given in the

following table do not include the work of steam-railroad companies in their repair shops or that of concerns primarily engaged in the construction of street cars. The total value of products of this industry was \$123,729,627 in 1909, as compared with \$90,510,180 in 1899, an increase for the decade of 36.7 per cent. The freight cars made in 1909 were fewer in number and lower in aggregate value than those made in either 1904 or 1899, and the cars for passenger service made in 1909 were fewer in number and lower in aggregate value than those made in 1904. In fact, while there are a number of classes of products, such as passenger cars (day coaches) and ore cars, which show an increase in number and value for the five-year period 1904-1909, the increase in value for the total is more than covered by the increase in the value of "all other products."

Table 92	PRODUCT.	1909	1904	1899
	<b>Total value</b> .....	<b>\$123,729,627</b>	<b>\$111,175,310</b>	<b>\$90,510,180</b>
	Steam-railroad cars.....			
	Passenger service—			
	Total number.....	1,601	2,030	979
	Value.....	\$13,829,607	\$18,140,293	\$7,368,299
	Baggage and express—			
	Number.....	216	199	72
	Value.....	\$1,105,779	\$896,185	\$238,554
	Mail—			
	Number.....	95	95	42
	Value.....	\$600,912	\$576,230	\$197,465
	Passenger—			
	Number.....	957	428	331
	Chair, dining and buffet, parlor, sleeping, and all other.....	\$7,209,425	\$2,955,517	\$1,975,469
	Number.....	333	1,308	534
	Value.....	\$4,913,491	\$13,712,361	\$4,956,811
	Freight service—			
	Total number.....	73,177	100,616	116,590
	Value.....	\$61,691,825	\$69,148,955	\$62,161,013
	Box—			
	Number.....	29,728	38,184	47,838
	Value.....	\$23,982,446	\$28,508,632	\$36,562,933
	Coal and coke.....			
	Number.....	11,473	27,998	28,837
	Value.....	\$9,419,655	\$21,367,218	\$18,414,718
	Flat.....			
	Number.....	3,232	5,412	4,525
	Value.....	\$2,033,801	\$2,893,154	\$1,923,525
	Fruit.....			
	Number.....	900	2,840	1,620
	Value.....	\$784,476	\$1,727,771	\$665,354
	Furniture.....			
	Number.....	90	801	1,717
	Value.....	\$70,515	\$505,600	\$1,148,265
	Gondola or ore.....			
	Number.....	19,607	9,518	11,821
	Value.....	\$18,128,186	\$5,518,084	\$6,873,145
	Refrigerator—			
	Number.....	2,618	3,353	2,354
	Value.....	\$2,747,957	\$3,042,835	\$1,956,097
	Stock.....			
	Number.....	2,349	4,235	2,700
	Value.....	\$1,586,008	\$2,453,123	\$1,426,800
	Caboose.....			
	Number.....	537	160	193
	Value.....	\$325,605	\$150,977	\$184,865
	Other.....			
	Number.....	2,643	8,115	14,905
	Value.....	\$2,413,176	\$2,982,161	\$3,005,351
	Street-railroad cars.....			
	Number.....	603	418	935
	Value.....	\$2,023,922	\$994,654	\$1,090,854
	Passenger—			
	Number.....	558	331	902
	Value.....	\$1,903,317	\$900,791	\$1,062,172
	Other—			
	Number.....	45	87	23
	Value.....	\$120,605	\$63,863	\$28,682
	All other products.....	\$46,184,273	\$22,891,408	\$19,890,014

<sup>1</sup> In addition, 8,977 cars, valued at \$5,921,871, and parts and repairs to the value of \$210,487, were reported by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>2</sup> In addition, 2,541 cars, valued at \$104,820, and parts and repairs to the value of \$101,073, were reported by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

**Cars, street-railroad.**—The following table presenting comparative statistics of products for establishments constructing street or electric railroad cars does not include cars made in the shops of railroad companies or by concerns primarily engaged in making steam-railroad cars. In 1899 the value of all products was \$7,305,368 and in 1909 only \$7,809,866, a slight increase thus being shown for the decade. The value of products in 1904, however, exceeded that in 1909. The decrease in the construction of open cars since 1904 is especially marked.

Table 93	PRODUCT.	1909	1904
Total value		\$7,809,866	\$10,844,196
Electric-railroad cars:			
Number	1,922	3,966	
Value	\$4,602,455	\$8,302,512	
Closed:			
Number	1,323	2,621	
Value	\$3,500,781	\$5,777,257	
Combination:			
Number	569		
Value	\$704,309	\$1,240,864	
Open:			
Number	95	554	
Value	\$141,068	\$869,349	
Freight, express, and mail:			
Number	92	16	
Value	\$179,293	\$24,022	
Other varieties:			
Number	43	273	
Value	\$77,044	\$400,020	
Steam-railroad cars:			
Freight service, all classes—			
Number	167	136	
Value	\$111,813	\$59,663	
All other products		\$3,095,615	\$2,482,021

<sup>1</sup> Products were not shown in detail for 1899; the total value was \$7,305,368.

<sup>2</sup> In addition, 677 cars, valued at \$2,033,922, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>3</sup> In addition, 418 cars, valued at \$994,654, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>4</sup> Includes 38 horse cars, valued at \$29,182.

**Summary for railroad cars.**—The following table assembles the statistics of all railroad cars constructed, including those made in establishments not engaged primarily in the construction of railroad cars:

Table 94	PRODUCT.	1909	1904	1899
Total value		\$102,137,398	\$110,249,222	
Steam-railroad cars		\$94,574,287	\$100,346,912	\$86,030,664
Passenger service:				
Number	1,819	2,446	1,369	
Value	\$15,120,961	\$20,486,230	\$8,510,032	
Freight service:				
Number	96,648	117,494	143,133	
Value	\$79,753,326	\$79,860,682	\$77,240,632	
Street-railroad cars:				
Number	2,772	4,694	( <sup>1</sup> )	
Value	\$7,363,109	\$9,902,310	( <sup>1</sup> )	

<sup>1</sup> Including all service not passenger.

<sup>2</sup> Chiefly electric.

<sup>3</sup> Not reported separately; the total value of products of establishments engaged primarily in the construction of street-railroad cars amounted to \$7,305,368.

#### MISCELLANEOUS INDUSTRIES.

Statistics for all industries that can not properly be classified with any of the groups before presented, on account of the character either of the products or of the raw materials used, are given under the above head.

**Agricultural implements.**—Table 95 presents comparative statistics of the production of agricultural implements. The value of all products increased from \$101,207,428 in 1899 to \$146,329,268 in 1909, or 44.6

per cent. This includes the value of miscellaneous agricultural implements and parts not classifiable under either of the four groups shown separately and of a large number of products not distinctively agricultural, but made by manufacturers of agricultural implements, such as windmills, carriages and wagons, engines, presses, castings, lawn swings, etc. In 1909 the aggregate value of the four groups of agricultural implements—seeders and planters, implements of cultivation, harvesting implements, and separators—was \$94,524,494, compared with \$79,335,400 in 1904, an increase of 19.1 per cent.

Table 95	PRODUCT.	1909	1904	1899
Total value		\$146,329,268	\$112,007,344	\$101,207,428
Implements of cultivation		\$35,246,630	\$30,607,960	
Seeders and planters		\$18,679,921	\$11,225,122	
Harvesting implements		\$14,565,131	\$9,862,435	
Seed separators		\$11,000,412	\$6,639,883	\$98,010,506
All other products		\$48,090,082	\$30,703,048	
Amount received for repair work		\$3,114,662	\$1,968,295	\$3,196,922
<i>Principal kind of implements, by number.</i>				
Implements of cultivation:				
Cultivators—				
Beet	3,172	3,459	2,008	
Small	469,696	239,173	207,171	
Wheeled	435,429	315,088	236,749	
Cotton scrapers	20,180	22,519	15,230	
Harrows—				
Disk	193,000	104,323	97,261	
Spring-tooth	112,832	86,408		
Spike-tooth	394,988	262,442	380,259	
Plows—				
Disk	22,132	39,146	17,345	
Gang	91,686	( <sup>1</sup> )	( <sup>1</sup> )	
Shovel	254,737	121,899	102,320	
Steam	2,355	1,599	207	
Sulky or wheel	134,936	138,899	136,105	
Walking	1,110,606	956,898	819,022	
Seeders and planters:				
Seeders—				
Broadcast	38,007	33,546	36,862	
Combination	23,963			
Corn planters—				
Hand	96,465	86,533	129,515	
Horse	122,780	90,929	78,335	
Listers	44,840	23,012	26,956	
Cotton planters	79,271	127,052	45,575	
Potato planters	23,092	35,756	25,338	
Drills—				
Corn	20,137	28,228	21,940	
Disk	21,292	( <sup>1</sup> )	( <sup>1</sup> )	
Grain	68,611	76,929	91,635	
All other	32,507	600	5,302	
Seed sowers	7,847	59,910	83,283	
Harvesting implements:				
Grain cradles	22,635	30,056	36,163	
Harvesters—				
Beet	1,409	665	1,425	
Corn	19,693	6,924	20,707	
Grain	129,274	108,810	233,542	
Harvesters and thrashers combined:				
Other	543	( <sup>1</sup> )	( <sup>1</sup> )	
Hay carriers	1,707	3,161	6,283	
Hayforks, horse	45,064	85,121	54,303	
Hayforks, hand	43,675	62,801	51,770	
Hay loaders	34,703	27,174	7,273	
Hayrakes, horse	266,240	236,297	216,345	
Haystackers	17,212	8,670	12,069	
Hay tedders	34,396	35,745	14,510	
Mowers	359,294	275,885	308,616	
Potato diggers, horse	25,632	11,703	( <sup>1</sup> )	
Reapers	58,294	60,996	33,945	
Seed separators:				
Clover hullers	472	351	661	
Corn huskers	372	1,327	10,726	
Corn huskers and shredders	1,240			
Corn shellers				
Hand	74,223	47,189	106,381	
Power	9,049	6,082	8,185	
Fanning mills	33,805	22,994	30,369	
Thrashers—				
Horsepower	822	2,237	1,314	
Steam power	23,586	7,950	3,751	

<sup>1</sup> In addition, agricultural implements, to the value of \$2,989,276, in 1909, and to the value of \$1,349,679, in 1904, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>2</sup> Not reported separately.

#### Electrical machinery, apparatus, and supplies.

Table 96 summarizes the statistics of the output of electrical machinery, apparatus, and supplies, and

includes figures for such products made by establishments engaged primarily in the manufacture of other products, as well as for all products of establishments engaged primarily in the manufacture of electrical machinery, apparatus, and supplies. The value of all products was \$243,965,093 in 1909, as compared with \$105,831,865 in 1899, an increase for the decade of 130.5 per cent. Among the leading groups the highest rate of increase is for incandescent lamps, the value of which was \$3,515,118 in 1899 and \$15,714,809 in 1909.

Table 96	PRODUCT.	1909	1904	1899
<b>Total value</b> .....		\$243,965,093	\$150,551,602	\$105,831,865
<b>Dynamos:</b>				
Number.....	16,791	15,080	10,527	
Kilowatt capacity.....	1,465,850	996,182	578,124	
Value.....	\$13,081,048	\$11,084,234	\$10,472,576	
<b>Dynamotors, motor generators, boosters, rotary converters, and double current generators</b> .....	\$3,154,733	\$1,740,534	\$379,747	
<b>Transformers</b> .....	\$8,801,019	\$4,463,567	\$2,362,871	
<b>Switchboards, panel boards, and cut-out cabinets</b> .....	\$5,971,804	\$3,766,044	\$1,846,624	
<b>Motors:</b>				
Total number.....	504,030	206,343	159,780	
Horsepower.....	2,733,418	1,493,012	1,221,482	
Value.....	\$32,087,482	\$22,370,626	\$19,505,504	
For power—				
Number.....	243,423	79,877	53,604	
Horsepower.....	1,683,477	678,910	515,705	
Value.....	\$18,306,451	\$13,120,948	\$7,351,450	
For automobiles—				
Number.....	2,706	1,819	3,017	
Horsepower.....	12,471	19,907	8,230	
Value.....	\$294,152	\$152,685	\$192,030	
For fans—				
Number.....	199,113	102,535	97,577	
Horsepower.....	178,033	30,793	12,766	
Value.....	\$2,450,739	\$1,168,254	\$1,055,639	
For elevators—				
Number.....	4,088	1,333	385	
Horsepower.....	63,585	13,398	6,730	
Value.....	\$1,188,653	\$638,473	\$2,523,901	
For railways, and miscellaneous services, including value of parts and supplies—				
Number.....	53,710	20,779	23,197	
Horsepower.....	795,652	750,061	678,061	
Value.....	\$9,847,457	\$7,200,266	\$8,182,724	
<b>Storage batteries, including value of parts and supplies:</b>				
Weight of plates in pounds.....	23,119,331	16,113,073	( <sup>1</sup> )	
Value.....	\$4,678,209	\$2,645,749	\$2,559,601	
<b>Primary batteries, including value of parts and supplies:</b>				
Number.....	34,333,531	6,023,162	2,654,765	
Value.....	\$5,934,261	\$1,398,144	\$1,119,444	
<b>Are lamps:</b>				
Number.....	123,885	195,157	158,187	
Value.....	\$1,706,959	\$1,574,422	\$1,827,771	
<b>Searchlights, projectors, and focusing lamps</b> .....	\$935,774	\$114,795	\$225,635	
<b>Incandescent lamps:</b>				
Carbon filament.....	\$15,714,809	\$6,963,205	\$3,515,118	
Tungsten.....	\$6,157,066			
Gem, tantalum, glower, and vacuum and vapor lamps.....	\$6,241,133	\$6,703,454	\$3,442,183	
Decorative and miniature lamps.....	\$2,715,991			
X-ray bulbs, vacuum tubes, etc.....	\$600,619	\$249,751	\$72,935	
<b>Sockets, receptacles, bases, etc</b> .....	\$4,521,729	\$2,010,860	\$593,929	
<b>Electric-lighting fixtures of all kinds</b> .....	\$6,128,282	\$3,294,606	\$3,750,670	
<b>Telegraph apparatus</b> .....	\$1,957,432	\$1,111,194	\$1,642,266	
<b>Telephone apparatus</b> .....	\$14,259,357	\$15,863,698	\$10,512,412	
<b>Insulated wires and cables</b> .....	\$31,624,727	\$34,519,699	\$21,292,001	
<b>Electric conduits</b> .....	\$5,068,264	\$2,416,245	\$1,066,163	
<b>Annunciators—domestic, hotel, and office</b> .....	\$215,567	\$185,870	\$224,885	
<b>Electric clocks and time mechanisms</b> .....	\$352,513	\$373,926	\$132,149	
<b>Fuses</b> .....	\$1,001,719	\$968,079	\$595,497	
<b>Lightning arresters</b> .....	\$840,171	\$387,124		
<b>Rheostats and resistances</b> .....	\$2,674,963	\$392,925		
<b>Heating, cooking, and welding apparatus</b> .....	\$1,003,038	\$395,827	\$1,186,878	
<b>Electric batteries</b> .....	\$831,971	\$5,004,763	\$1,842,135	
<b>Electric measuring instruments</b> .....	\$7,809,019	\$1,036,962	( <sup>1</sup> )	
<b>Electrical therapeutic apparatus</b> .....	\$1,107,858			
<b>Magneto-ignition apparatus, sparks, coils, etc.</b> .....	\$6,092,343	\$678,077	( <sup>1</sup> )	
<b>Electric switches, signals, and attachments</b> .....	\$5,377,843	\$1,451,337	\$1,129,891	
<b>Circuit fittings of all kinds</b> .....	\$1,080,287	\$3,525,446	( <sup>1</sup> )	
<b>All other products</b> .....	\$39,601,708	\$28,978,441	\$17,448,008	

<sup>1</sup> Includes values of electrical machinery, apparatus, and supplies made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation, as follows: 1909, \$22,656,530; 1904, \$18,742,033; and 1899, \$13,397,430.

<sup>2</sup> Not reported separately.

**Ice, manufactured.**—Table 97 includes the product of all establishments engaged primarily in manufacturing ice for sale, but does not include establishments making ice for their own use. Ice made for sale by establishments engaged chiefly in some other business, such as breweries, is reported in a footnote.

The value of all products of the industry proper increased from \$13,874,513 in 1899 to \$42,953,055 in 1909, or 209.6 per cent. The quantity of ice produced increased at about the same rate, and amounted to 12,647,949 tons in 1909.

Table 97	1909	1904	1899
<b>MATERIALS.</b>			
Ammonia used—	\$1,021,913	\$613,138	\$359,549
Compressor system—			
Anyhydrous—	3,097,191	1,944,266	946,666
Pounds.....	\$26,222	\$493,524	\$249,838
Absorption system—			
Anyhydrous—	369,093	136,604	109,809
Pounds.....	\$100,283	\$37,506	\$29,842
Aqua—			
Pounds.....	1,670,698	1,347,561	1,323,454
Cost.....	\$16,408	\$82,108	\$79,869
<b>PRODUCTS.</b>			
<b>Ice:</b>			
Total value.....	\$42,953,055	\$23,790,045	\$13,874,513
Tons (2,000 pounds).....	12,647,949	7,199,448	4,294,439
Value (2,000 pounds).....	\$39,889,263	\$22,450,503	\$13,303,874
Can—			
Tons (2,000 pounds).....	11,671,547	6,695,789	4,139,764
Value (2,000 pounds).....	\$37,085,533	\$21,020,547	\$12,863,160
Plate—			
Tons (2,000 pounds).....	976,402	503,659	154,075
Value (2,000 pounds).....	\$2,803,730	\$1,429,656	\$440,714
All other products.....	\$3,063,792	\$1,339,542	\$570,639

<sup>1</sup> Includes 148,373 pounds of aqua ammonia, costing \$5,755.

<sup>2</sup> In addition, in 1909, 1,562,259 tons of ice, valued at \$4,249,790, and in 1904, 814,889 tons, valued at \$1,899,912, were produced by establishments engaged primarily in the manufacture of products other than ice.

<sup>3</sup> Includes, for purposes of comparison, products valued at \$93,535, not included in the general tables for this industry at census of 1900.

**Lumber and timber products.**—Beginning with 1906 an annual canvass of forest products has been made by the Bureau of the Census in cooperation with the Forest Service of the Department of Agriculture. The statistics for the year 1909 given in the following table are compiled from this annual report; those for 1904 and 1899 are from the regular census reports.

The totals for 1909 include statistics for some small neighborhood mills sawing chiefly or exclusively for local consumption, also a relatively small number of establishments using logs or bolts as material and engaged primarily in the manufacture of products other than those covered by the classified lumber and timber products industry, which classes are not represented in the totals for the other two years. Detailed statistics for the lumber and other forest-products industries will be found in the several annual reports published by the Bureau of the Census. The figures given in Table 98 can not be compared with those given in Table 110 because in the latter table the statistics cover not only the products of the sawmills, shingle and lath mills, but also the products of planing mills operated independently of sawmills, logging camps, veneer mills, and box factories.



Table 98	PRODUCT.	1909	1901	1899
<b>Total value.....</b>		<b>\$724,705,760</b>	<b>\$465,153,862</b>	<b>\$414,058,487</b>
<b>Lumber:</b>				
Total quantity (M feet, board measure).....	44,509,761	34,135,139	135,084,166	
Total value.....	\$684,479,859	\$435,708,084	\$390,483,873	
<b>Softwoods—</b>				
Quantity.....	33,896,959	27,353,312	26,153,063	
Value.....	\$477,945,046	\$319,835,796	\$268,451,112	
<b>Yellow pine—</b>				
Quantity.....	16,277,185	11,521,781	9,658,548	
Value.....	\$206,505,297	\$114,780,090	\$81,740,300	
<b>Western pine—</b>				
Quantity.....	1,499,985	1,290,520	944,560	
Value.....	\$23,077,854	\$14,596,149	\$9,163,256	
<b>White pine—</b>				
Quantity.....	3,900,034	3,532,704	7,742,391	
Value.....	\$70,830,131	\$79,594,717	\$98,002,555	
<b>Douglas fir—</b>				
Quantity.....	4,856,378	2,928,499	1,756,507	
Value.....	\$60,455,793	\$27,892,228	\$15,009,608	
<b>Penlock—</b>				
Quantity.....	3,051,399	3,268,787	3,420,073	
Value.....	\$12,580,800	\$18,938,154	\$34,136,892	
<b>Spruce—</b>				
Quantity.....	1,718,547	1,303,886	1,448,091	
Value.....	\$29,561,315	\$18,289,327	\$16,322,699	
<b>Cypress—</b>				
Quantity.....	955,635	749,592	495,836	
Value.....	\$19,549,741	\$13,115,339	\$6,604,495	
<b>Redwood—</b>				
Quantity.....	521,630	519,267	360,167	
Value.....	\$7,720,124	\$6,691,499	\$3,645,968	
<b>Cedar—</b>				
Quantity.....	346,008	223,065	232,978	
Value.....	\$6,901,945	\$4,201,331	\$2,542,818	
<b>All other—</b>				
Quantity.....	240,158	215,325	113,312	
Value.....	\$10,182,043	\$2,806,402	\$1,271,884	
<b>Hardwoods—</b>				
Quantity.....	10,612,802	6,781,827	8,634,621	
Value.....	\$207,134,813	\$115,872,338	\$116,817,192	
<b>Oak—</b>				
Quantity.....	4,414,457	2,902,855	4,438,027	
Value.....	\$90,512,069	\$50,832,303	\$61,174,129	
<b>Maple—</b>				
Quantity.....	1,106,694	587,558	633,466	
Value.....	\$17,447,814	\$8,780,727	\$7,495,052	
<b>Red gum—</b>				
Quantity.....	706,945	523,990	285,417	
Value.....	\$9,334,268	\$5,693,555	\$2,747,080	
<b>Chestnut—</b>				
Quantity.....	663,891	243,537	206,688	
Value.....	\$10,703,130	\$3,566,054	\$2,764,089	
<b>Birch—</b>				
Quantity.....	452,370	224,099	132,601	
Value.....	\$7,666,186	\$3,459,501	\$1,657,621	
<b>Basswood—</b>				
Quantity.....	399,151	228,041	308,069	
Value.....	\$7,781,563	\$3,845,885	\$3,954,625	
<b>Elm—</b>				
Quantity.....	347,456	258,330	456,731	
Value.....	\$6,088,098	\$3,732,609	\$5,240,530	
<b>Cottonwood—</b>				
Quantity.....	265,600	321,574	415,124	
Value.....	\$4,794,424	\$4,797,779	\$4,303,544	
<b>Ash—</b>				
Quantity.....	291,209	169,178	269,120	
Value.....	\$7,116,089	\$3,174,861	\$4,263,599	
<b>Hickory—</b>				
Quantity.....	333,929	106,824	96,636	
Value.....	\$10,283,776	\$2,557,601	\$1,814,500	
<b>Walnut—</b>				
Quantity.....	46,168	31,455	38,681	
Value.....	\$1,972,835	\$1,435,509	\$1,411,011	
<b>Sycamore—</b>				
Quantity.....	56,511	18,002	29,715	
Value.....	\$534,612	\$236,856	\$327,933	
<b>All other—</b>				
Quantity.....	1,628,571	1,166,474	1,323,746	
Value.....	\$32,969,949	\$23,969,098	\$19,662,279	
<b>Lath:</b>				
Quantity (thousands).....	3,703,195	2,647,847	2,523,998	
Value.....	\$9,963,439	\$5,435,968	\$4,698,909	
<b>Shingles:</b>				
Quantity (thousands).....	14,907,371	14,547,477	12,102,017	
Value.....	\$30,262,462	\$24,009,610	\$18,809,705	

<sup>1</sup> Includes 297,082 M feet of lumber, board measure, valued at \$5,191,569, reported as "other sawed products," and not by kinds of wood.

**Pianos and organs and materials.**—Table 99 includes the statistics for pianos and organs, and materials therefor, but does not include the products of establishments engaged primarily in the manufacture of other musical instruments. The value of all products increased from \$41,024,244 in 1899 to \$89,789,544 in 1909, or 118.9 per cent, the increase being almost

wholly in the value of pianos and player attachments for pianos. A marked feature is the gain in the number of pianos with player attachments manufactured, the output of which increased during the period 1904 to 1909 from 1,868 to 34,495, or seventeen fold. A large decrease occurred between 1904 and 1909 in the number of reed organs made.

Table 99	PRODUCT.	1909	1904	1899
<b>Total value.....</b>		<b>\$89,789,544</b>	<b>\$66,092,630</b>	<b>\$41,024,244</b>
<b>Pianos:</b>				
Number.....	374,154	261,197	171,011	
Value.....	\$29,501,225	\$41,476,479	\$27,002,852	
<b>Upright—</b>				
Number.....	265,413	253,825	166,760	
Value.....	\$55,402,556	\$37,815,056	\$25,301,432	
<b>Without player attachment—</b>				
Number.....	330,918	251,957	166,526	
Value.....	\$46,187,555	\$37,397,674	\$25,256,087	
<b>For or with player attachment—</b>				
Number.....	34,495	1,868	224	
Value.....	\$9,275,001	\$417,582	\$44,745	
<b>Grand—</b>				
Number.....	7,841	7,372	4,251	
Value.....	\$4,608,669	\$3,661,423	\$1,701,420	
<b>Player attachments made separate from pianos:</b>				
Number.....	10,808	39,391	6,158	
Value.....	\$1,474,630	\$2,004,266	\$607,873	
<b>Organs:</b>				
Number.....	65,335	113,966	107,258	
Value.....	\$5,309,016	\$6,152,032	\$5,217,261	
<b>Pipe—</b>				
Number.....	1,224	901	564	
Value.....	\$2,713,587	\$1,689,979	\$1,177,021	
<b>Reed—</b>				
Number.....	64,111	113,065	106,604	
Value.....	\$2,555,429	\$4,162,053	\$4,040,240	
<b>Parts and materials.....</b>		<b>\$20,417,762</b>	<b>\$12,626,892</b>	<b>\$8,196,258</b>
<b>All other products.....</b>		<b>\$3,086,911</b>	<b>\$3,832,961</b>	

<sup>1</sup> In addition, in 1909, parts and materials to the value of \$680,188; in 1904, 1,695 organs, valued at \$149,114; and in 1899, 250 pianos, valued at \$37,610; and 1,144 organs, valued at \$39,508, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>2</sup> Includes a few pianos with player attachments.

**Paper and wood pulp.**—Table 100 includes statistics for all establishments engaged in the manufacture of wood pulp and in the manufacture of paper, either separately or in conjunction. The total production of wood pulp in 1909 was 2,495,523 tons; in 1904, 1,921,768 tons; and in 1899, 1,179,535 tons. The percentage of increase for the decade was 111.6. Sulphite fiber shows the highest rate of increase, 144.6 per cent. An increasing proportion of the wood pulp is made by establishments which themselves consume it in making paper; in 1909, 63.5 per cent was so consumed by the establishments making it.

The value of all products, which includes some duplication, increased from \$127,326,162 in 1899 to \$267,656,964 in 1909, or 110.2 per cent. The output of paper products increased from 2,167,593 tons in 1899 to 4,216,708 tons in 1909, or 94.5 per cent, and their value from \$107,909,046 to \$232,741,049, or 115.7 per cent. Paper stock used for which quantities are reported aggregated 4,588,160 tons in 1909, of which wood pulp formed 61.6 per cent; old and waste paper, 21.4 per cent; rags, 7.8 per cent; straw, 6.6 per cent; and manila stock, 2.6 per cent. The ton of 2,000 pounds is used for showing quantities.

Table 100	1909	1904	1899		1909	1904	1899
MATERIALS.				PRODUCTS—continued.			
Total cost.....	\$165,442,241	\$111,251,478	\$70,530,236	Wrapping paper—Continued.			
Pulp wood.....	\$33,772,475	\$20,809,871	\$9,837,516	Logos or wood manila, all grades—			
Wood pulp, purchased:				Tons.....	367,682	228,371	203,826
Tons.....	1,241,914	\$77,702	644,006	Value.....	\$19,777,707	\$10,099,772	\$9,148,677
Cost.....	\$43,861,357	\$27,633,164	\$18,369,464	All other—			
Ground—				Tons.....	179,855	177,870	67,338
Tons.....	452,849	317,286	261,662	Value.....	\$10,202,035	\$8,774,804	\$3,293,174
Cost.....	\$9,487,508	\$5,754,259	\$4,361,211	Boards:			
Soda fiber—				Wood pulp—			
Tons.....	154,626	120,978	84,042	Tons.....	71,036	60,863	44,187
Cost.....	\$9,802,804	\$5,047,105	\$3,450,809	Value.....	\$2,639,496	\$2,347,250	\$1,406,130
Sulphite fiber—				Straw—			
Tons.....	626,029	433,164	273,104	Tons.....	171,789	167,278	157,534
Cost.....	\$27,184,726	\$16,567,122	\$10,112,189	Value.....	\$3,750,851	\$4,367,560	\$3,187,342
Other chemical fiber—				News—			
Tons.....	8,410	6,278	14,808	Tons.....	74,606	38,500	32,119
Cost.....	\$326,259	\$294,678	\$465,255	Value.....	\$2,215,499	\$1,174,216	\$930,531
Rags, including cotton and flax				All other—			
waste and sweepings:				Tons.....	514,208	253,950	131,777
Tons.....	357,470	294,552	231,514	Value.....	\$17,539,768	\$9,070,531	\$4,829,516
Cost.....	\$10,721,559	\$8,864,607	\$6,595,427	Other paper products:			
Old and waste paper:				Tissues—			
Tons.....	983,882	588,543	356,193	Value.....	77,745	43,925	28,406
Cost.....	\$13,691,120	\$7,430,335	\$4,869,409	Blotting—			
Manila stock, including jute bagging,				Tons.....	9,577	8,702	4,351
rope, waste, threads, etc.:				Value.....	\$1,186,180	\$1,046,790	\$580,750
Tons.....	117,080	107,029	99,301	Building, roofing, asbestos, and			
Cost.....	\$3,540,033	\$2,502,332	\$2,437,256	sheathing—			
Straw:				Tons.....	225,821	145,024	96,915
Tons.....	303,137	394,585	367,305	Value.....	\$9,351,368	\$4,845,028	\$3,025,967
Cost.....	\$1,469,282	\$1,802,886	\$1,395,659	Hanging—			
All other materials.....	\$58,375,515	\$42,517,283	\$27,025,505	Tons.....	92,158	62,606	54,330
PRODUCTS.				Value.....	\$4,431,514	\$3,013,464	\$2,265,345
Total value.....	\$267,656,964	\$189,715,189	\$127,326,162	Miscellaneous—			
News paper:				Tons.....	96,577	106,296	49,101
In rolls for printing—				Value.....	\$6,869,169	\$6,729,820	\$2,795,541
Tons.....	1,091,017	840,802	454,572	Wood pulp made for sale or for con-			
Value.....	\$42,807,064	\$32,763,308	\$15,754,992	sumption in mills other than where			
In sheets for printing—				produced:			
Tons.....	84,537	72,020	114,640	Ground—			
Value.....	\$4,048,496	\$3,143,152	\$4,336,882	Value.....	310,747	273,400	280,052
Book paper:				Soda fiber—			
Book—				Tons.....	\$5,649,466	\$4,323,495	\$4,433,699
Tons.....	575,616	434,500	282,093	Value.....	155,844	130,366	99,014
Coated—				Sulphite fiber—			
Value.....	\$2,846,674	\$31,156,728	\$19,466,804	Value.....	\$6,572,152	\$5,159,615	\$3,612,602
Tons.....	95,213	(?)	(?)	Value.....	444,255	376,940	271,585
Plate, lithograph, map, wood-				All other products.....	\$4,738,549	\$1,924,195	\$919,415
cut, etc.—				Wood pulp.			
Value.....	6,498	19,337	22,366	Quantity produced (including that			
Cover—				used in mills where manufac-			
Tons.....	17,578	22,150	18,749	tured), total tons.....	2,436,323	1,921,768	1,179,535
Value.....	\$1,982,853	\$2,023,986	\$1,665,376	Ground, tons.....	1,179,266	988,976	586,374
Cardboard, Bristol board, card mid-				Soda fiber, tons.....	298,626	196,770	177,121
dles, tickets, etc.—				Sulphite fiber, tons.....	1,017,631	756,022	416,037
Tons.....	51,449	39,060	28,894	EQUIPMENT.			
Value.....	\$3,352,151	\$2,764,444	\$1,719,813	Paper machines:			
Fine paper:				Total number.....	1,480	1,369	1,232
Writing—				Capacity, yearly, tons.....	5,293,397	3,857,903	2,782,219
Tons.....	169,125	131,934	90,204	Fourdriner—			
Value.....	\$24,966,162	\$19,321,045	\$12,222,870	Number.....	804	752	663
All other—				Capacity per 24 hours, tons..	10,508	8,569	(?)
Tons.....	29,088	14,898	22,503	Cylinder—			
Value.....	\$4,110,536	\$2,928,125	\$3,673,104	Number.....	676	617	569
Wrapping paper:				Capacity per 24 hours, tons..	6,316	4,740	(?)
Manila (rope, jute, tag, etc.)—				Pulp:			
Tons.....	73,731	86,826	89,419	Grinders, number.....	1,435	1,362	1,168
Value.....	\$6,989,436	\$6,136,080	\$5,929,764	Digesters, total number.....	542	517	426
Heavy (mail wrappers, etc.)—				Sulphite fiber, number.....	348	309	(?)
Tons.....	108,561	96,902	82,875	Soda fiber, number.....	194	208	(?)
Value.....	\$4,380,794	\$4,035,588	\$4,143,240	Capacity, yearly, tons of pulp....	3,405,621	2,644,753	1,536,431
Straw—				Ground, tons.....	1,809,685	1,515,088	(?)
Tons.....	32,988	54,232	91,794	Sulphite, tons.....	1,250,983	885,062	(?)
Value.....	\$870,419	\$1,389,348	\$2,027,518	Soda, tons.....	544,853	244,573	(?)

<sup>1</sup> In addition, paper and wood pulp to the value of \$2,567,367 was made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation. <sup>2</sup> Not reported separately. <sup>3</sup> Not reported.

**Phonographs and graphophones.**—The following table gives comparative statistics for the manufacture of phonographs and graphophones. The value of all products increased from \$2,246,274 in 1899 to \$11,725,996 in 1909, or over fivefold, the bulk of the increase being in the first half of the decade. An important feature of the industry is the manufacture of records and blanks, the value of which formed 42.7 per cent of the total value of products in 1909, 45.7 per cent in 1904, and 24 per cent in 1899.

Table 101	PRODUCT.	1909	1904	1899
Total value.....		\$11,725,996	\$10,237,075	\$2,248,274
Phonographs and graphophones:				
Number.....	344,681	(?)	(?)	(?)
Value.....	\$5,406,084	\$2,966,343	\$1,240,503	
Records and blanks:				
Number.....	27,183,959	(?)	(?)	(?)
Value.....	\$5,007,104	\$4,678,547	\$539,370	
All other products.....	\$1,312,268	\$2,592,185	\$466,401	

<sup>1</sup> In addition, records and parts to the value of \$31,880 were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation. <sup>2</sup> Not reported.

**Printing and publishing.**—The statistics for printing and publishing given in the following table include book and job printing and publishing; the printing and publishing of music; newspapers and periodicals; bookbinding and blank-book making; engraving, including plate printing; and lithographing.

Under the head of job printing is included the job printing done by newspaper, periodical, and other establishments, as well as that of regular job-printing establishments. The value of products reported for the bookbinding and blank-book industry includes the value of all products of concerns engaged primarily in these branches, as well as the value of bookbinding and blank books reported by printing and publishing establishments. In like manner there is included under electrotyping, engraving, and lithographing the value of all products of establishments engaged primarily in these branches.

The value of all products was \$737,876,087 in 1909,

\$552,473,353 in 1904, and \$395,186,629 in 1899, the rate of increase for the period 1899–1909 being 86.7 per cent. The income of newspapers and periodicals from subscriptions, sales, and advertising was \$337,596,288 in 1909, as compared with \$175,789,610 in 1899, the rate of increase for the decade being 92 per cent. Of the total income from these sources, that from advertising formed 60 per cent in 1909 and 54.5 per cent in 1899, having increased much faster than that from subscriptions and sales.

Newspapers and periodicals increased in number from 18,793 in 1899 to 22,141 in 1909, or 17.8 per cent, and their aggregate circulation increased 53.9 per cent. The average circulation per issue was 7,428 in 1909, as compared with 6,866 in 1904 and 5,688 in 1899. The greatest relative increases in circulation during the decade were reported for dailies and monthlies. In the circulation of the latter, however, there was a decrease between 1904 and 1909.

Table 102	PRODUCT.	1909	1904	1899	PRODUCT.	1909	1904	1899
	<b>Total value</b> .....	<b>\$737,876,087</b>	<b>\$552,473,353</b>	<b>\$395,186,629</b>				
<b>Publications:</b>					<b>NEWSPAPERS AND PERIODICALS—</b>			
Newspapers and periodicals.....	\$337,596,288	\$256,816,282	\$175,789,610		continued.			
Subscriptions and sales.....	\$135,063,043	\$111,298,691	\$79,928,483	<i>By character.—Continued.</i>				
Advertising.....	\$302,533,245	\$145,517,591	\$95,861,127	Commerce, finance, insurance, railroads, etc.—				
Newspapers.....	\$252,963,054	( <sup>1</sup> )	( <sup>1</sup> )	Number.....	264	364	( <sup>1</sup> )	190
Subscriptions and sales.....	\$84,438,702			Aggregate circulation.....	1,411,738	2,470,832		
Advertising.....	\$148,554,392			Trade journals generally—				
Periodicals.....	\$104,603,194	( <sup>1</sup> )	( <sup>1</sup> )	Number.....	685	627	( <sup>1</sup> )	520
Subscriptions and sales.....	\$30,624,341			Aggregate circulation.....	3,572,441	3,428,596	( <sup>1</sup> )	
Advertising.....	\$33,978,853			General literature, including monthly and quarterly magazines—				
Ready prints, patent insides and outsides.....	\$2,293,077	( <sup>1</sup> )		Number.....	340	328		239
Books and pamphlets.....				Aggregate circulation.....	31,322,035	30,615,577	( <sup>1</sup> )	
Published, or printed and published.....	\$62,930,394	\$53,312,492		Medicine and surgery—				
Printed for publication by others.....	\$10,209,509	( <sup>1</sup> )		Number.....	197	192		111
Sheet music and books of music—				Aggregate circulation.....	931,584	1,054,948	( <sup>1</sup> )	
Published or printed and published.....	\$5,510,698	\$4,673,685	\$219,397,019	Law—				
Printed for publication by others.....	\$1,000,966	( <sup>1</sup> )		Number.....	56	81		62
Products for sale and in execution of orders:				Aggregate circulation.....	151,346	194,035	( <sup>1</sup> )	
Job printing.....	\$207,940,227	\$149,262,070		Science and mechanics—				
Book binding and blank books.....	\$50,552,808	\$40,788,768		Number.....	139	83		66
Electrotyping, engraving, and lithographing.....	\$47,956,979	\$35,018,234		Aggregate circulation.....	1,421,955	525,529	( <sup>1</sup> )	
All other products.....	\$11,885,141	\$12,601,825		Fraternal organizations—				
				Number.....	419	450		200
				Aggregate circulation.....	6,982,235	5,356,427	( <sup>1</sup> )	
				Education and history—				
				Number.....	202	173		120
				Aggregate circulation.....	1,879,383	2,119,797	( <sup>1</sup> )	
				Society, art, music, fashions, etc.—				
				Number.....	164	155		88
				College and school periodicals—				
				Number.....	13,445,661	15,289,431	( <sup>1</sup> )	
				Aggregate circulation.....	271	178		139
				Miscellaneous—				
				Number.....	330,705	248,240	( <sup>1</sup> )	
				Aggregate circulation.....	1,087,937	4,860,518	( <sup>1</sup> )	293
				<i>By language:</i>				
				English—				
				Number.....	20,744	20,599		17,761
				Aggregate circulation.....	155,432,245	142,441,068	( <sup>1</sup> )	
				Foreign (including foreign and English)—				
				Number.....	1,397	1,249		1,032
				Aggregate circulation.....	9,030,797	7,568,653	( <sup>1</sup> )	
				French—				
				Number.....	39	46		31
				Aggregate circulation.....	446,739	252,135	( <sup>1</sup> )	
				German—				
				Number.....	692	700		633
				Aggregate circulation.....	4,434,146	3,922,227	( <sup>1</sup> )	
				Italian—				
				Number.....	104	63		35
				Aggregate circulation.....	500,475	319,450	( <sup>1</sup> )	
				Scandinavian—				
				Number.....	161	162		115
				Aggregate circulation.....	1,118,601	1,149,619	( <sup>1</sup> )	
				Letto-Slavic—				
				Number.....	169	128		75
				Aggregate circulation.....	947,649	605,967	( <sup>1</sup> )	
				All other—				
				Number.....	232	150		143
				Aggregate circulation.....	1,613,187	1,319,237	( <sup>1</sup> )	

<sup>1</sup> Not reported separately.<sup>2</sup> Included with circulation of dailies.<sup>3</sup> Not reported.

The statistics in regard to the number of books and pamphlets published in 1909, classified by character, are given below. Comparative statistics for earlier censuses are not available.

Table 103	BOOKS AND PAMPHLETS.	Titles or editions.	Volumes.	Copies.
Total number published.....		46,739	54,620	161,361,844
Biography, correspondence.....	554	616	657,464	
Description, geography, travel.....	847	952	4,540,647	
Domestic and rural.....	330	336	2,023,193	
Education.....	10,390	12,159	41,636,847	
Fiction.....	14,696	15,772	46,942,339	
Fine arts, illustrated gift books.....	541	857	2,849,371	
History.....	613	954	2,923,187	
Humor and satire.....	208	211	885,262	
Juvenile.....	4,107	4,202	10,184,630	
Law.....	535	865	1,496,194	
Literature and collected works.....	2,047	3,841	5,037,972	
Medical, hygiene.....	681	738	1,519,480	
Philosophy.....	222	252	265,077	
Physical and mathematical science.....	291	307	336,413	
Poetry and the drama.....	1,387	1,574	1,980,824	
Political and social science.....	658	689	1,862,429	
Scientific and similar associations.....	1,082	1,141	1,258,562	
Sports and amusements.....	412	423	2,430,074	
Theology and religion.....	5,096	6,539	23,608,230	
Useful arts.....	512	538	1,104,599	
Works of reference.....	1,560	1,927	7,789,590	

Shipbuilding, including boat building.—The following table shows the value of work done on the different classes of water craft during the several census years, not including that done in Government establishments, and also the value of repair work and all other products of the shipbuilding industry. The total value of products was lower in 1909 than in 1904 or 1899.

Table 101	PRODUCT. <sup>1</sup>	1909	1904	1899
Total value.....		\$73,360,315	\$82,769,239	\$74,532,277
Work done during the year on vessels and boats.....		42,310,925	56,121,227	37,719,208
Vessels of 5 gross tons and over.....		37,718,018	53,119,935	35,750,473
Boats of less than 5 gross tons.....		4,592,907	3,001,292	1,968,835
Steam.....		20,800		
Motor, gasoline, electric, and other.....		3,155,575	1,879,288	1,059,365
Sailboats, rowboats, canoes, scows, etc.....		1,416,732	1,122,004	909,470
Repair work.....		26,678,643	22,829,040	23,134,436
All other products.....		4,370,747	3,818,972	13,678,533

<sup>1</sup> Not including work done in Government shipyards, valued in 1909 at \$25,872,033; in 1904, at \$17,265,469; and in 1899, at \$11,022,312.

<sup>2</sup> In addition, the following items were reported by establishments engaged primarily in the manufacture of products other than those covered by the industry designation: Work done on vessels of 5 tons and over, launched, \$418,905; vessels building but not launched, \$30,184; boats of under 5 tons, \$145,155; and other boat products and repairs, \$182,462; or a total of \$776,706.

<sup>3</sup> In addition, the following items were reported by establishments engaged primarily in the manufacture of products other than those covered by the industry designation: Work done on vessels of 5 tons and over, launched, \$463,018; boats of under 5 tons, \$147,542; and other boat products and repairs, \$46,782; or a total of \$657,342.

The value of the products of governmental shipyards in 1909 was \$25,872,033; in 1904, \$17,265,469; and in 1899, \$11,022,312. Thus the total value of products reported for all establishments, governmental and private, was \$99,232,348 in 1909, \$100,034,708 in 1904, and \$85,554,589 in 1899. The increase of \$13,677,759, or 16 per cent, shown for the period 1899–1909, was due entirely to work of governmental establishments.

The following table shows the number of vessels of each class launched during the census years 1909, 1904, and 1899. These figures are not strictly comparable with those giving values presented in the preceding table, since the former cover all work done during the year, both on vessels launched during the year and on those not yet launched at its close. The number of vessels of nearly every class was less in 1909 than at the two preceding censuses, but the number of boats increased greatly, the number made by all establishments aggregating 8,577, of which number 97.3 per cent were gasoline motor boats.

Table 105	CLASS OF VESSELS.	1909	1904	1899
Vessels of 5 gross tons and over launched during the year.....				
Number.....		1,584	2,114	2,081
Gross tons.....		407,219	504,020	687,159
Net tons.....		381,198	424,708	542,324
Steel vessels.....				
Number.....		158	155	134
Gross tons.....		254,986	154,314	262,510
Net tons.....		193,144	106,826	186,509
Steam.....				
Number.....		96	122	123
Gross tons.....		219,617	140,047	237,379
Net tons.....		159,297	93,365	164,313
Motor.....				
Number.....		15		
Gross tons.....		2,466		
Net tons.....		2,078		
Sail, with and without auxiliary.....				
Number.....		3	8	6
Gross tons.....		2,046	4,779	21,085
Net tons.....		1,735	4,591	18,348
Unrigged.....				
Number.....		41	25	5
Gross tons.....		30,837	9,488	4,052
Net tons.....		30,034	8,870	3,848
Wooden vessels.....				
Number.....		1,426	1,959	1,947
Gross tons.....		212,233	349,706	424,643
Net tons.....		188,054	317,832	355,815
Steam.....				
Number.....		85	186	396
Gross tons.....		15,016	35,048	48,332
Net tons.....		9,662	23,365	32,845
Motor.....				
Number.....		420	307	
Gross tons.....		6,923	3,157	
Net tons.....		5,146	2,333	
Sail, with and without auxiliary.....				
Number.....		116	341	642
Gross tons.....		15,413	59,836	39,209
Net tons.....		12,955	50,483	51,772
Unrigged.....				
Number.....		795	1,125	909
Gross tons.....		174,881	251,065	316,502
Net tons.....		160,291	241,701	271,198
Boats of less than 5 gross tons, number.....				
Steam.....		8,577	3,499	1,687
Motor.....		8,569	3,499	1,687
Gasoline.....		8,342	( <sup>c</sup> )	( <sup>c</sup> )
Electric.....		12	( <sup>c</sup> )	( <sup>c</sup> )
Other.....		215	( <sup>c</sup> )	( <sup>c</sup> )

<sup>1</sup> Not including vessels launched in Government shipyards as follows: In 1909, 3 steel and 28 wooden vessels, the steel vessels having a total of 330 gross tons and the wooden a total of 1,709 gross tons, and in 1904, 17 steel and 14 wooden vessels, the steel vessels having a total of 23,850 gross tons and the wooden a total of 3,402 gross tons.

<sup>2</sup> In addition, there were built by establishments engaged primarily in the manufacture of products other than those covered by the industry designation, 8 steel and 14 wooden vessels, the steel vessels having a total of 5,429 gross tons and the wooden a total of 21,919 gross tons.

<sup>3</sup> In addition, there were built by establishments engaged primarily in the manufacture of products other than those covered by the industry designation, 3 steel and 131 wooden vessels, the steel vessels having a total of 408 gross tons and the wooden a total of 21,919 gross tons.

<sup>4</sup> Not including 33 boats built in Government shipyards in 1909 and 52 in 1904.

<sup>5</sup> In addition, 412 boats were built by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>6</sup> In addition, 365 boats were built by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

<sup>7</sup> Not reported separately.

**Laundries.**—Steam laundries are not generally considered as manufacturing establishments, and therefore statistics for them have been excluded from prior censuses. Since the industry has, however, developed so rapidly, large amounts of capital now being invested, and many wage earners being employed, it should no longer be omitted from the industrial census. The establishments are conducted according to factory methods, and therefore the statistics are associated with those for the manufacturing industries of the Thirteenth Census. They are not included, however, in the general tables or in the totals for manufacturing industries.

During the year 1909 there were in the United States 5,186 laundries operated by the use of mechanical power. The capital reported by these establishments as invested in the industry amounted to \$68,935,000. In addition, such establishments rent a great deal of property, the annual rental paid by laundries for plant and equipment amounting in 1909 to \$2,277,000. The value of the work done was \$104,680,086.

In addition to ascertaining the average number of wage earners employed during the entire year, the census calls for the actual number of wage earners, by sex and age periods, employed on December 15, 1909, or the nearest representative day. On that date there were employed 112,064 wage earners, of whom 31,947, or 28.5 per cent, were men; 79,152, or 70.6 per cent, women; and 965, or 0.9 per cent, children under 16 years of age.

The following statement summarizes the statistics:

Number of establishments.....	5,186
Capital invested.....	\$68,935,000
Cost of materials used.....	\$17,696,000
Salaries and wages, total.....	\$53,007,747
Salaries.....	\$8,180,769
Wages.....	\$44,826,978
Miscellaneous expenses.....	\$14,483,497
Value of products or amount received for work done..	\$104,680,086

**Employees:**

Number of salaried officials and clerks.....	9,170
Average number of wage earners employed during the year.....	109,484
Actual number of wage earners employed on Dec. 15, 1909, or nearest representative day..	112,064
Men 16 years and over.....	31,947
Women 16 years and over.....	79,152
Children under 16 years—	
Male.....	274
Female.....	691
Primary power used, horsepower.....	123,477

The number of wage earners employed each month and the per cent which this number represented of the greatest number employed in laundries in any month were as follows:

72497°—13—33

MONTH.	WAGE EARNERS.		MONTH.	WAGE EARNERS.	
	Number.	Per cent of maximum.		Number.	Per cent of maximum.
January.....	103,746	90.6	July.....	114,211	99.7
February.....	103,937	90.7	August.....	114,539	100.0
March.....	104,370	91.6	September.....	115,738	91.3
April.....	106,422	92.9	October.....	117,500	97.3
May.....	108,149	94.4	November.....	110,479	96.5
June.....	111,213	97.2	December.....	110,305	96.7

The different kinds of primary power, the number of engines, and the horsepower used in laundries during 1909 are shown in the following tabular statement:

KIND.	Number of engines or motors.	Horsepower.
<b>Primary power, total.....</b>		<b>123,477</b>
Owned.....	4,527	109,870
Steam.....	4,119	105,272
Gas.....	379	4,073
Water wheels.....	18	450
Water motors.....	11	69
Rented.....		13,607
Electric.....	2,401	11,157
Other.....		2,450

The kind and amount of fuel used in laundries are shown in the following statement:

KIND.	Unit.	Quantity.
Anthracite coal.....	Tons (2,240 lbs.)..	178,640
Bituminous coal.....	Tons (2,000 lbs.)..	886,734
Coke.....	Tons (2,000 lbs.)..	14,785
Wood.....	Cords.....	94,721
Oil.....	Barrels.....	372,586
Gas.....	1,000 feet.....	2,729,324

**Small custom sawmills and gristmills.**—Statistics for small custom sawmills and gristmills are not included in the general tables or in the totals for manufacturing industries, but are presented in the following summary. The cost of materials and value of products for gristmills include an estimate of the grain ground, but it was impossible to estimate the value of the lumber sawed in the custom sawmills.

	Small custom sawmills.	Small custom gristmills.
Number of establishments.....	4,133	11,961
Persons engaged in industry.....	12,836	22,536
Proprietors and firm members.....	5,702	15,435
Salaried employees.....	44	147
Wage earners (average number).....	7,090	7,014
Primary horsepower.....	83,280	272,783
Capital.....	\$3,635,145	\$21,258,510
Expenses.....	2,160,271	48,119,965
Services.....	1,696,152	1,186,540
Materials.....	97,574	146,314,868
Miscellaneous.....	366,545	609,157
Value of products.....	4,515,881	15,115,553

<sup>1</sup> Includes estimated value of all grain ground.

<sup>2</sup> Includes estimate of value of products from all grain ground. In addition, custom ground products, valued at \$1,170,751, were made by establishments engaged primarily in the manufacture of products other than those covered by the industry designation.

## COMPARATIVE SUMMARY FOR THE UNITED STATES, BY SPECIFIED INDUSTRIES: 1909, 1904, AND 1899.

Notes.—The figures for some industries do not represent the total production, because important establishments that manufacture the same class of products may be included in other industries. (See Introduction.)

Primary horsepower includes power generated in manufacturing establishments plus electric and other power rented from outside sources; it does not include electric power generated by primary units of the establishments reporting.

In the statistics of power for 1899 there is a difference of 154,723 horsepower between the total and the sum of the figures for the various industries. This is due to the impossibility of making correct revision of the figures for each industry for comparison with 1904 and 1909.

[A minus sign (—) denotes decrease.]

INDUSTRY.	Cen- sus.	Num- ber of estab- lish- ments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse- power.	Capital.	Sala- ries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture (value of products less cost of mate- rials).	PER CENT OF INCREASE.	
			Total.	Pro- pri- etors and firm mem- bers.	Salaried em- ployees.	Wage earners (average number).								Wage earners (aver- age num- ber).	Value of products.
Expressed in thousands.															
All Industries.....	1909	268,491	7,678,578	273,265	790,267	6,615,046	18,675,376	\$18,428,270	\$938,575	\$3,427,038	\$12,142,791	\$20,672,052	\$8,529,261	21.0	39.7
	1904	216,180	6,213,612	225,673	519,556	5,468,383	13,487,707	12,675,581	574,439	2,610,445	8,560,208	14,793,903	6,293,695	16.0	29.7
	1899	207,514	.....	.....	364,120	4,712,763	10,097,593	8,975,256	380,771	2,068,361	6,575,851	11,406,927	4,831,076	.....	.....
Agricultural implements.	1909	640	60,229	465	9,213	50,551	100,601	236,281	10,140	28,609	60,307	146,329	86,022	6.7	30.6
	1904	448	55,089	346	7,139	47,394	88,738	196,741	7,573	25,063	48,281	112,007	63,736	1.7	10.7
	1899	715	.....	.....	10,046	46,582	70,646	157,705	8,393	22,451	43,945	101,207	57,262	.....	.....
Artificial flowers and feathers and plumes.	1909	412	11,583	520	1,047	10,016	334	9,693	1,160	3,974	13,627	23,981	10,354	130.6	357.0
	1904	213	4,913	289	281	4,343	184	2,568	232	2,014	5,247	3,233	3,233	—18.5	—16.6
	1899	224	.....	.....	285	5,331	113	3,633	291	1,561	2,763	6,293	3,530	.....	.....
Artificial stone <sup>1</sup> .....	1909	3,439	15,202	4,298	1,037	9,957	12,185	16,010	785	5,342	7,043	18,596	11,553	297.3	350.5
	1904	477	3,417	571	340	2,506	2,776	3,316	201	1,403	1,430	4,128	2,698	.....	.....
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Artists' materials.....	1909	46	865	25	182	658	1,628	1,730	202	307	1,360	2,340	980	140.1	105.4
	1904	28	372	30	68	274	508	876	67	137	687	1,139	452	37.0	129.2
	1899	21	.....	.....	32	200	289	377	38	79	249	497	248	.....	.....
Automobiles, including bodies and parts.	1909	743	85,359	405	9,233	75,721	75,550	173,777	9,479	48,694	131,646	249,202	117,556	528.4	729.7
	1904	178	13,333	103	1,181	12,049	10,109	23,477	1,257	7,159	13,151	30,034	16,883	437.7	532.6
	1899	57	.....	.....	268	2,241	.....	5,769	295	1,321	1,804	4,748	2,944	.....	.....
Awnings, tents, and sails.	1909	621	5,747	648	857	4,242	2,622	7,865	809	2,188	8,377	14,499	6,122	23.6	28.7
	1904	360	4,406	412	532	3,432	1,105	4,793	507	1,757	6,670	11,269	4,599	2.9	23.2
	1899	340	.....	.....	416	3,335	921	3,537	325	1,569	5,228	9,144	3,916	.....	.....
Axle grease.....	1909	38	334	13	145	176	492	935	155	88	828	1,481	653	47.9	68.5
	1904	25	196	22	755	119	210	608	53	62	368	879	511	—6.3	22.4
	1899	29	.....	.....	85	127	181	577	83	55	300	718	358	.....	.....
Babbitt metal and solder.	1909	109	1,491	66	528	897	2,293	7,418	739	561	16,270	19,768	3,498	57.6	50.9
	1904	75	882	70	243	569	1,138	4,129	265	338	10,804	13,100	2,236	6.4	42.5
	1899	51	.....	.....	145	535	999	3,116	172	296	7,998	9,191	1,193	.....	.....
Bags, other than paper.	1909	109	8,838	72	798	7,968	6,855	24,625	1,068	2,942	46,364	54,882	8,518	39.3	46.7
	1904	79	6,308	54	532	5,722	4,522	12,387	602	1,829	30,758	37,399	6,641	45.9	90.3
	1899	73	.....	.....	386	3,922	1,755	7,418	379	1,102	16,439	19,652	3,213	.....	.....
Bags, paper.....	1909	74	3,683	42	429	3,212	3,885	10,750	714	1,306	10,355	15,698	5,343	29.9	55.6
	1904	62	2,886	53	300	2,473	2,927	11,441	405	900	6,595	10,087	3,492	24.3	48.4
	1899	63	.....	.....	340	1,989	2,148	6,917	369	628	4,499	6,799	2,300	.....	.....
Baking powders and yeast.	1909	144	3,531	110	1,266	2,155	3,335	33,647	1,710	1,046	9,338	20,775	11,437	—12.0	9.1
	1904	161	3,355	150	756	2,449	2,965	13,233	939	1,042	8,940	19,043	10,103	26.4	30.7
	1899	194	.....	.....	749	1,938	2,446	8,338	835	717	7,127	14,568	7,441	.....	.....
Baskets, and rattan and willow ware.	1909	456	5,419	476	279	4,664	7,196	4,199	244	1,747	2,335	5,695	3,360	—8.7	9.8
	1904	486	5,867	525	236	5,106	6,252	3,600	203	1,731	1,803	5,187	3,384	21.1	42.7
	1899	454	.....	.....	182	4,217	5,967	2,844	140	1,213	1,335	3,636	2,301	.....	.....
Beet sugar.....	1909	58	8,389	1	1,184	7,204	57,202	129,629	1,769	4,808	27,265	48,122	20,857	81.8	97.3
	1904	51	4,726	.....	763	3,963	35,490	55,923	1,005	2,487	14,487	24,394	9,907	101.2	233.1
	1899	30	.....	.....	350	1,970	14,440	20,142	357	1,062	4,804	7,324	2,520	.....	.....
Belting and hose, leather.	1909	139	4,370	100	1,264	3,006	5,638	17,457	1,502	1,861	15,623	23,692	8,069	43.7	66.6
	1904	117	2,800	94	614	2,092	3,220	10,785	787	1,165	9,317	14,220	4,903	25.5	33.9
	1899	104	.....	.....	443	1,667	2,162	7,408	485	914	7,900	10,623	3,123	.....	.....
Belting and hose, woven and rubber.	1909	46	7,304	11	974	6,319	20,547	24,260	1,384	2,956	14,505	24,729	10,224	43.9	39.0
	1904	39	5,019	15	614	4,390	13,491	15,909	984	2,057	10,787	17,791	7,004	116.8	158.4
	1899	25	.....	.....	231	2,025	5,612	6,020	380	982	4,828	6,886	2,338	.....	.....
Bicycles, motorcycles, and parts.	1909	95	5,017	78	502	4,437	5,932	9,780	582	2,908	5,083	10,699	5,616	33.7	107.6
	1904	101	3,761	81	361	3,319	5,730	5,883	351	1,971	2,628	5,153	2,525	—81.1	—83.9
	1899	312	.....	.....	2,034	17,525	19,847	29,784	1,753	8,190	16,792	31,916	15,124	.....	.....
Billiard tables and ma- terials.	1909	54	1,776	48	233	1,495	2,642	4,705	352	1,011	3,369	5,878	2,509	87.8	164.4
	1904	48	964	52	116	796	631	1,618	151	501	937	2,223	1,286	75.7	34.9
	1899	74	.....	.....	88	453	277	884	105	278	729	1,648	919	.....	.....
Black and cleansing and polishing prepara- tions.	1909	501	4,407	434	1,556	2,417	3,977	7,557	1,750	1,146	6,902	14,679	7,717	35.6	69.7
	1904	294	2,786	281	723	1,782	2,708	4,560	774	738	4,383	8,651	4,268	1.4	29.2
	1899	275	.....	.....	686	1,758	1,873	3,662	713	634	3,152	6,698	3,546	.....	.....
Bluing.....	1909	82	545	94	138	313	242	556	112	114	494	1,074	580	51.9	58.2
	1904	56	306	53	47	206	284	570	45	77	266	679	413	—6.4	17.9
	1899	65	.....	.....	54	220	116	415	41	79	245	576	331	.....	.....
Bone, carbon, and lamp black.	1909	27	302	7	67	228	1,023	1,842	78	149	445	1,093	648	14.0	68.7
	1904	25	258	11	47	200	1,085	1,663	48	105	203	648	445	135.3	80.0
	1899	15	.....	.....	21	85	365	782	24	46	106	360	251	.....	.....
Boots and shoes, includ- ing cut stock and find- ings.	1909	1,918	215,923	1,338	15,788	198,297	96,302	222,324	18,629	98,463	332,738	512,798	180,606	23.7	43.4
	1904	1,895	171,940	2,128	9,818	160,294	63,968	136,802	9,412	71,072	225,288	357,688	132,400	6.0	23.3
	1899	2,253	.....	.....	8,348	151,231	55,489	110,363	8,159	63,924	191,456	290,047	98,591	.....	.....

<sup>1</sup> Included in "marble and stone" in 1899.

## COMPARATIVE SUMMARY FOR THE UNITED STATES, BY SPECIFIED INDUSTRIES: 1909, 1904, AND 1899—Continued.

[See explanatory notes on the first page of this table.]

INDUSTRY.	Cen- sus.	Number of estab- lishments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse- power.	Capital.	Sala- ries.	Wages.	Cost of materials.	Value of products.	Value added by man- ufacture (value of products less cost of materials).	PER CENT OF INCREASE.								
			Total.	Propri- etors and firm members.	Salaried em- ployees.	Wage earners (average number).								Wage earners (av- erage num- ber).	Value of prod- ucts.							
Expressed in thousands.																						
Boots and shoes, rubber.	1909	22	18,899	.....	1,287	17,612	25,903	\$43,905	\$1,415	\$8,544	\$29,577	\$49,721	\$20,144	-7.3	-20.0							
	1904	22	19,815	2	822	18,991	26,084	32,000	874	8,867	30,065	70,065	38,065	32.0	70.5							
	1899	22	.....	.....	483	14,391	25,017	33,668	597	6,427	22,683	41,690	18,407	.....	.....							
Boxes, cigar.	1909	274	6,852	301	436	6,115	6,049	5,403	471	2,234	4,313	8,491	4,178	-2.7	9.1							
	1904	297	7,036	384	370	6,282	5,548	4,457	333	2,120	3,810	7,786	3,976	36.3	32.9							
	1899	315	.....	.....	216	4,009	4,274	3,288	172	1,440	3,661	5,857	2,796	.....	.....							
Boxes, fancy and paper.	1909	949	43,568	815	3,239	39,514	23,323	35,475	3,709	14,015	25,716	54,540	28,734	23.2	47.7							
	1904	796	35,194	786	2,326	32,082	15,117	22,691	2,313	10,298	16,686	36,867	20,181	16.0	35.0							
	1899	729	.....	.....	1,368	27,653	9,286	14,979	1,269	8,152	11,765	27,316	15,551	.....	.....							
Brass and bronze prod- ucts.	1909	1,021	45,441	828	3,995	40,618	109,120	109,319	5,540	23,677	99,228	149,989	50,761	22.5	46.5							
	1904	813	36,952	784	3,000	33,168	69,494	77,438	3,778	17,666	65,653	102,407	36,754	22.1	15.5							
	1899	695	.....	.....	1,813	27,166	47,257	51,120	2,297	13,599	61,189	88,684	27,465	.....	.....							
Bread and other bakery products.	1909	23,926	144,322	26,982	17,124	100,216	65,298	212,010	13,754	59,351	238,034	396,865	158,831	23.3	47.2							
	1904	18,226	109,673	20,037	8,358	81,278	37,241	122,353	6,273	43,172	155,989	269,583	113,594	35.0	53.7							
	1899	14,836	.....	.....	9,167	60,192	22,472	80,902	6,063	27,864	95,052	175,369	80,317	.....	.....							
Brick and tile.	1909	4,215	85,764	4,285	4,951	76,528	341,169	174,673	5,439	37,139	23,736	92,776	69,049	15.9	30.4							
	1904	4,634	75,006	5,295	3,690	66,021	255,362	119,057	3,530	28,466	16,317	71,152	54,835	6.5	38.8							
	1899	5,423	.....	.....	2,426	61,979	176,700	82,086	2,025	21,883	11,006	51,270	40,264	.....	.....							
Brooms and brushes <sup>1</sup> ....	1909	1,282	15,143	1,451	1,539	12,153	8,800	18,982	1,661	5,404	15,578	29,126	13,548	6.4	38.0							
	1904	1,316	13,958	1,551	982	11,425	6,441	12,052	925	4,380	10,999	21,104	10,105	10.4	14.2							
	1899	1,523	.....	.....	900	10,346	4,482	9,616	758	3,788	9,544	18,484	8,940	.....	.....							
Butter, cheese, and con- densed milk.	1909	8,479	31,506	8,019	5,056	18,431	101,349	71,284	3,591	11,081	235,546	274,556	39,012	18.5	63.2							
	1904	8,926	25,805	6,801	3,507	15,557	93,845	47,256	1,376	8,413	142,920	168,183	25,203	21.5	28.6							
	1899	9,242	.....	.....	2,818	12,799	88,062	36,303	912	6,146	108,841	130,783	21,942	.....	.....							
Butter, reworking.	1909	24	418	10	113	295	1,471	3,543	128	186	7,424	8,200	776	-27.0	12.8							
	1904	35	526	32	90	404	1,684	1,719	85	252	6,247	7,271	1,024	173.0	243.8							
	1899	10	.....	.....	29	148	631	256	30	68	1,845	2,115	770	.....	.....							
Buttons.	1909	444	15,004	519	1,058	16,427	12,831	15,640	1,299	6,789	9,541	22,708	13,167	55.5	104.0							
	1904	275	11,637	302	768	10,567	6,982	7,784	711	3,680	4,144	11,134	6,900	21.7	44.7							
	1899	238	.....	.....	339	8,683	4,165	4,213	206	2,826	2,803	7,696	4,893	.....	.....							
Calcium lights.	1909	10	26	7	4	15	53	55	4	11	24	52	28	-63.4	-61.5							
	1904	22	85	28	16	41	132	144	12	24	35	135	100	-25.6	13.4							
	1899	19	.....	.....	6	55	80	95	6	24	35	119	84	.....	.....							
Candles <sup>1</sup> .....	1909	16	649	7	103	539	799	2,959	161	246	2,176	3,130	954	-33.9	-19.5							
	1904	17	930	25	89	816	931	3,004	135	294	2,911	3,889	978	.....	.....							
Canning and preserving.	1909	3,767	71,972	4,244	7,760	59,968	81,179	119,207	7,864	19,082	101,823	157,101	55,278	5.3	20.4							
	1904	3,168	66,022	3,450	5,628	56,944	60,831	79,246	5,231	16,336	83,147	130,466	47,319	-0.1	31.3							
	1899	2,570	.....	.....	4,199	57,012	38,624	55,481	3,479	13,705	63,668	95,335	35,667	.....	.....							
Card cutting and design- ing.	1909	68	702	79	98	525	269	684	93	238	374	1,031	657	-24.6	-4.8							
	1904	60	834	72	66	696	222	488	52	201	478	1,083	605	11.2	75.2							
	1899	43	.....	.....	25	325	219	338	22	135	313	618	305	.....	.....							
Carpets and rugs, other than rag.	1909	139	34,706	134	1,264	33,307	38,553	75,627	2,309	15,536	39,563	71,188	31,625	0.3	15.6							
	1904	139	34,393	149	1,023	33,221	33,946	56,781	1,397	13,724	37,948	61,586	23,638	16.9	27.8							
	1899	133	.....	.....	687	28,411	26,740	44,440	881	11,121	27,229	48,192	20,963	.....	.....							
Carpets, rag.	1909	428	2,688	489	217	1,982	2,651	1,546	182	860	689	2,568	1,879	14.2	33.9							
	1904	363	2,331	438	137	1,736	1,667	1,100	87	675	489	1,918	1,429	31.7	9.2							
	1899	805	.....	.....	57	1,318	599	867	30	443	622	1,755	1,133	.....	.....							
Carriages and sleds, chil- dren's.	1909	84	5,769	50	419	5,300	5,281	6,883	490	2,217	4,129	8,805	4,676	32.4	38.2							
	1904	78	4,379	52	324	4,003	3,633	4,336	341	1,783	2,840	6,371	3,331	46.8	48.5							
	1899	77	.....	.....	172	2,726	2,462	2,907	159	1,090	1,996	4,290	2,294	.....	.....							
Carriages and wagons and materials.	1909	5,492	82,044	6,213	6,803	69,928	126,632	175,474	7,960	37,595	81,951	159,893	77,942	-10.2	2.6							
	1904	5,588	90,751	6,575	6,294	77,882	106,159	152,345	6,281	38,363	77,528	155,869	78,341	5.5	12.7							
	1899	6,792	.....	.....	5,026	73,812	83,771	128,962	4,759	33,364	69,712	138,262	71,960	.....	.....							
Cars and general shop con- struction and repairs by steam-railroad com- panies.	1909	1,145	301,273	2	19,097	282,174	293,361	238,317	17,339	181,344	199,418	405,601	266,188	19.1	30.9							
	1904	1,140	250,159	.....	13,329	236,870	167,673	146,586	11,920	142,153	151,105	309,775	158,670	36.4	42.0							
	1899	1,292	.....	.....	7,094	173,595	95,087	119,473	6,208	96,067	102,218	218,114	108,642	.....	.....							
Cars and general shop con- struction and repairs by street-railroad com- panies.	1909	541	23,699	.....	1,281	22,418	35,794	38,899	1,204	14,486	15,168	31,963	16,795	102.8	137.9							
	1904	86	11,551	.....	499	11,052	3,154	12,906	543	7,013	5,463	13,437	7,974	57.3	43.4							
	1899	108	.....	.....	201	7,025	6,443	10,752	194	4,405	4,337	9,371	5,034	.....	.....							
Cars, steam-railroad, not including operations of railroad companies.	1909	110	47,094	7	4,001	43,086	97,797	139,805	5,138	27,135	78,753	123,730	44,977	26.5	11.3							
	1904	73	36,367	6	2,303	34,058	55,994	88,179	2,855	20,248	75,637	111,175	35,518	1.8	22.8							
	1899	65	.....	.....	1,366	33,453	33,395	88,324	1,838	16,987	61,743	90,510	28,767	.....	.....							
Cars, street-railroad, not including operations of railroad companies.	1909	14	4,005	1	421	3,583	15,161	14,168	594	2,177	4,290	7,810	3,550	-24.2	-28.0							
	1904	14	4,997	3	264	4,730	7,054	12,976	398	2,840	5,341	10,844	5,503	31.9	48.4							
	1899	20	.....	.....	144	3,585	4,865	7,615	235	1,951	3,967	7,305	3,338	.....	.....							
Cash registers and calcul- ating machines.	1909	50	9,249	7	1,777	7,465	6,944	27,224	2,736	5,312	3,552	23,708	20,156	83.0	140.1							
	1904	32	5,012	10	923	4,079	4,139	7,588	1,109	2,442	1,516	9,875	8,359	97.3	74.0							
	1899	15	.....	.....	327	2,067	1,340	5,242	329	1,250	921	5,675	4,754	.....	.....							
Cement <sup>1</sup> .....	1909	135	29,511	17	2,719	26,775	371,799	187,398	3,653	15,329	29,544	63,205	33,861	53.2	111.6							
	1904	129	18,887	26	1,383	17,478	149,604	83,759	1,858	8,814	12,215	29,873	17,658	.....	.....							
Charcoal.	1909	76	731	75	25	631	165	641	23	253	448	872	424	-31.6	-32.5							
	1904	74	1,065	77	23	925	355	717	22	343	642	1,292	650	-48.3	13.9							
	1899	183	.....	.....	23	1,786	164	811	16	431	405	1,134	729	.....	.....							

<sup>1</sup> Includes 898 establishments reported as "brooms" and 384 as "brushes" in 1909.<sup>2</sup> Included in "soap" in 1899.<sup>3</sup> Included in "lime" in 1899.

## COMPARATIVE SUMMARY FOR THE UNITED STATES, BY SPECIFIED INDUSTRIES: 1909, 1904, AND 1899—Continued.

[See explanatory notes on the first page of this table.]

Table 110—Contd.	INDUSTRY.	Cen- sus.	Number of estab- lish- ments.	PERSONS ENGAGED IN INDUSTRY.					Primary horse- power.	Capital.	Sala- ries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture (value of products less cost of materi- als).	PER CENT OF INCREASE.								
				Total.	Propri- etors and firm man- agers.	Salaried em- ployees.	Wage earners (average number).									Wage earners (aver- age num- ber).	Value of prod- ucts.							
Expressed in thousands.																								
Chemicals <sup>1</sup> .....	1909	349	27,791	154	3,923	23,714	298,604	\$155,144	\$6,137	\$14,085	\$64,122	\$117,689	\$53,567	19.7	56.5									
	1904	275	22,707	123	2,778	19,806	132,262	96,621	4,048	10,790	42,063	75,222	33,159	4.1	20.1									
	1899	433	.....	.....	2,123	19,020	90,349	89,069	2,923	9,393	34,546	62,637	28,091	.....	.....									
China decorating.....	1909	40	436	45	63	328	18	559	80	191	311	796	475	45.8	140.4									
	1904	28	273	30	18	225	6	261	16	99	108	327	219	24.5	32.6									
	1899	49	.....	.....	31	298	.....	269	21	122	207	485	278	.....	.....									
Chocolate and cocoa products.....	1909	27	3,404	10	568	2,826	10,593	13,685	670	1,269	15,233	22,390	6,467	35.2	55.6									
	1904	25	2,366	15	291	2,090	5,217	8,379	463	822	9,723	14,390	4,667	59.1	48.9									
	1899	24	.....	.....	289	1,314	2,756	6,891	371	526	8,677	9,666	2,789	.....	.....									
Clocks and watches, in- cluding cases and materi- als.....	1909	120	25,439	53	1,529	23,857	14,057	57,500	2,181	12,944	11,131	35,197	24,066	5.7	18.2									
	1904	97	23,891	63	1,249	22,579	10,731	42,189	1,638	11,892	9,872	29,750	19,918	31.6	34.7									
	1899	109	.....	.....	676	17,155	7,251	31,514	957	8,315	8,819	22,110	13,291	.....	.....									
Cloth, spunging and re- finishing.....	1909	57	1,167	67	125	975	704	629	127	651	85	1,544	1,459	22.6	46.6									
	1904	55	922	68	59	795	322	401	62	504	39	1,053	1,014	48.9	88.0									
	1899	46	.....	.....	39	534	109	289	35	268	17	566	549	.....	.....									
Clothing, horse.....	1909	33	1,830	40	142	1,648	1,454	3,279	171	492	2,773	4,135	1,362	55.0	93.0									
	1904	29	1,168	32	73	1,063	656	1,499	72	342	1,329	2,140	811	84.9	64.2									
	1899	26	.....	.....	55	575	271	654	47	177	848	1,793	457	.....	.....									
Clothing, men's, button- holes.....	1909	146	1,031	181	20	830	176	225	12	389	105	781	676	-8.1	11.6									
	1904	141	1,075	164	8	903	137	262	5	380	95	700	605	-4.3	2.8									
	1899	149	.....	.....	11	944	113	247	6	332	98	681	583	.....	.....									
Clothing, men's, includ- ing shirts.....	1909	6,354	271,437	8,502	23,239	239,696	47,725	275,320	26,733	106,277	297,515	568,607	270,562	38.0	39.7									
	1904	5,145	196,365	7,006	15,671	174,689	29,829	176,557	15,740	68,459	211,433	406,768	195,335	10.2	26.5									
	1899	6,419	.....	.....	11,906	157,549	20,457	140,191	12,032	56,391	168,169	323,839	155,670	.....	.....									
Clothing, women's.....	1909	4,558	179,021	6,482	18,796	153,743	22,294	129,301	20,418	78,568	208,788	384,752	175,964	32.9	55.4									
	1904	3,351	131,538	4,913	10,920	115,705	14,916	73,948	9,976	51,180	130,720	247,662	116,942	38.2	55.4									
	1899	2,701	.....	.....	6,715	83,739	9,962	48,432	6,574	32,586	84,705	159,340	74,635	.....	.....									
Coffee and spice, roasting and grinding <sup>2</sup> .....	1909	607	13,516	497	5,529	7,490	22,334	46,402	6,596	3,676	63,205	119,573	27,328	25.7	31.3									
	1904	421	9,245	442	2,844	5,959	15,703	33,735	3,216	2,839	65,847	84,188	18,341	-3.7	21.1									
	1899	458	.....	.....	2,749	6,387	16,270	28,437	2,951	2,487	55,112	69,327	14,415	.....	.....									
Coffins, burial cases, and undertakers' goods.....	1909	284	11,448	161	1,948	9,339	16,490	25,843	2,411	4,633	11,964	24,626	12,562	10.3	21.0									
	1904	239	9,797	168	1,161	8,448	13,178	18,532	1,345	4,120	9,501	20,266	10,775	23.8	45.3									
	1899	217	.....	.....	948	6,840	8,927	13,565	1,023	3,077	6,947	13,952	7,007	.....	.....									
Coke.....	1909	315	31,226	101	1,832	29,273	62,692	152,321	2,072	15,454	64,025	95,697	31,672	54.2	85.0									
	1904	278	20,440	73	1,386	18,981	66,669	90,713	1,247	9,304	29,885	51,729	21,844	11.7	45.4									
	1899	241	.....	.....	915	16,999	34,767	36,503	797	7,086	19,666	35,585	15,919	.....	.....									
Confectionery.....	1909	1,944	54,854	1,832	8,384	44,638	35,750	68,226	9,137	15,615	81,151	134,796	53,645	23.2	54.8									
	1904	1,348	42,729	1,306	5,124	36,239	24,292	43,125	4,840	11,669	48,810	87,087	38,277	34.9	43.6									
	1899	962	.....	.....	4,304	26,806	19,410	26,319	3,525	8,020	35,354	60,044	25,290	.....	.....									
Cooperage and wooden goods, not elsewhere specified.....	1909	1,693	29,717	1,760	1,688	26,299	65,108	50,442	2,047	11,715	36,928	60,248	23,329	-5.3	4.0									
	1904	1,719	31,133	1,833	1,537	27,743	56,988	36,756	1,732	11,843	34,971	57,356	22,985	9.6	37.9									
	1899	1,798	.....	.....	909	25,323	38,462	25,602	963	9,800	23,619	42,025	18,406	.....	.....									
Copper, tin, and sheet- iron products.....	1909	4,228	86,934	4,423	8,896	73,615	62,366	217,532	10,288	39,591	112,582	199,824	87,242	38.8	66.6									
	1904	2,540	60,713	2,851	4,827	53,635	30,229	147,668	6,070	26,269	63,921	119,933	56,012	38.4	53.1									
	1899	1,985	.....	.....	2,924	38,317	28,829	49,679	2,810	16,924	42,692	78,359	35,757	.....	.....									
Cordage and twine and jute and linen goods.....	1909	164	27,214	80	1,314	25,820	78,549	76,020	1,863	9,133	40,915	61,020	20,165	1.9	-5.6									
	1904	145	26,442	60	1,056	25,332	66,244	56,467	1,597	8,824	46,031	64,064	18,631	17.0	31.8									
	1899	160	.....	.....	682	21,651	47,999	43,153	1,021	6,554	33,064	49,078	16,014	.....	.....									
Cordials and sirups.....	1909	117	1,638	94	449	1,095	1,154	4,804	627	503	5,344	9,662	4,321	65.9	175.3									
	1904	63	899	68	171	640	782	1,666	242	235	2,149	3,510	1,361	82.3	66.6									
	1899	39	.....	.....	112	362	573	1,153	121	117	1,505	2,107	602	.....	.....									
Cork, cutting.....	1909	62	3,376	49	185	3,142	3,746	5,327	267	1,098	3,435	5,940	2,505	8.5	32.3									
	1904	50	3,080	49	166	2,895	2,589	4,069	198	888	2,459	4,491	2,032	23.7	2.3									
	1899	62	.....	.....	136	2,340	1,563	2,084	195	688	2,404	4,392	1,988	.....	.....									
Corsets.....	1909	138	10,611	91	1,956	17,564	8,565	18,033	2,871	6,464	15,440	33,257	17,617	60.0	123.8									
	1904	109	11,948	96	877	10,975	3,284	9,580	1,010	3,660	6,135	14,802	8,727	-10.8	2.8									
	1899	138	.....	.....	815	12,297	3,638	7,290	906	3,645	6,357	14,451	8,094	.....	.....									
Cotton goods, including cotton small wares.....	1909	1,324	387,771	377	8,514	378,880	1,296,517	822,238	14,412	132,859	371,009	628,292	257,283	19.9	39.5									
	1904	1,154	323,287	472	6,981	315,874	986,604	613,111	10,238	96,206	286,255	450,468	164,213	4.3	32.8									
	1899	1,055	.....	.....	4,902	302,861	795,834	467,240	7,350	86,690	176,552	339,200	162,648	.....	.....									
Crucibles.....	1909	12	298	4	59	335	816	2,051	120	180	1,089	1,840	760	19.6	37.7									
	1904	11	310	3	57	280	627	1,577	116	159	762	1,213	581	-58.3	-48.5									
	1899	11	.....	.....	89	671	760	1,844	154	251	1,673	2,407	934	.....	.....									
Cutlery and tools, not elsewhere specified.....	1909	959	37,161	814	3,351	32,996	68,294	67,380	4,152	17,581	18,279	53,266	34,987	26.0	36.5									
	1904	838	29,004	827	1,989	26,188	54,397	43,729	2,333	13,125	13,278	39,022	25,744	33.3	38.6									
	1899	721	.....	.....	1,404	19,642	38,283	30,152	1,696	9,434	9,748	28,116	18,298	.....	.....									
Dairymen's, poultrymen's, and apiarists' supplies.....	1909	233	6,431	206	1,351	6,898	15,188	1,416	2,671	6,089	15,463	9,374	86.8	136.3										
	1904	176	3,273	165	500	2,698	3,994	5,030	359	1,167	3,203	6,545	3,342	.....	.....									
Dentists' materials.....	1909	87	1,982	69	340	1,573	865	6,258	545	744	8,101	10,836	2,735	-18.2	38.7									
	1904	80	2,291	79	200	1,922	1,113	4,681	334	949	5,510	7,810	2,300	89.0	109.9									
	1899	68	.....	.....	182	1,017	375	2,112	184	509	2,109	3,721	1,612	.....	.....									

<sup>1</sup> Includes "sulphuric, nitric, and mixed acids" and "wood distillation, not including turpentine and resin" in 1899.<sup>2</sup> Includes "peanuts, grading, roasting, cleaning, and shelling" in 1899.<sup>3</sup> Included in other classifications in 1899.













## COMPARATIVE SUMMARY FOR THE UNITED STATES, BY SPECIFIED INDUSTRIES: 1909, 1904, AND 1899—Continued.

[See explanatory notes on the first page of this table.]

Table 110—Contd.		Cen- sus.	Num- ber of estab- lish- ments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse power.	Capital.	Sala- ries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture (value of products less cost of materi- als).	PER CENT OF INCREASE.	
INDUSTRY.	Total.			Pro- prietors and firm mem- bers.	Salaried em- ployees.	Wage earners (average number).	Wage earners (aver- age num- ber).								Value of products.	
																Expressed in thousands.
Pumps, not including steam pumps.	1909 1904 1899	102 115 130	2,623 1,721 113	87 113 95	400 204 632	2,136 1,404 1,245	4,214 2,569 1,245	\$6,018 3,230 1,261	\$420 215 84	\$1,258 719 247	\$2,487 1,193 638	\$5,583 2,853 1,342	\$3,096 1,660 704	52.1 122.2 112.6	95.7 112.6	
Rice, cleaning and pol- ishing.	1909 1904 1899	71 74 80	1,777 1,961 1,102	38 33 169	500 436 651	1,239 1,492 7,546	19,519 15,866 7,546	13,347 8,821 2,001	613 549 182	564 641 266	19,501 14,315 7,576	22,371 16,297 8,724	2,870 2,982 1,148	-17.0 129.2 16.1	37.7 86.8	
Roofing materials.	1909 1904 1899	117 307 227	3,330 10,162 695	46 314 695	1,019 8,819 7,993	2,465 8,819 7,993	9,431 33,022 18,217	15,349 16,925 10,814	1,381 1,162 663	1,339 4,008 3,072	12,458 10,842 6,886	19,204 19,871 13,691	6,746 9,029 6,805	-72.0 16.1 6.1	34.1	
Rubber goods, not else- where specified.	1909 1904 1899	227 224 261	31,284 23,651 1,825	102 103 1,825	4,661 2,364 1,825	26,521 21,184 20,404	79,062 48,381 40,835	98,507 46,298 39,302	5,406 2,857 2,216	14,120 9,412 8,082	82,192 38,912 33,482	128,436 62,996 52,622	46,244 24,084 19,140	25.2 3.8 19.7	103.0	
Rules, ivory and wood.	1909 1904 1899	9 13 11	127 177 12	9 15 14	9 109 213	109 149 303	167 318 303	104 253 203	11 15 12	51 55 67	31 55 73	144 249 208	113 194 135	-26.8 -30.0 19.7	42.2	
Safes and vaults.	1909 1904 1899	42 31 35	4,660 3,918 272	8 15 272	709 3,488 2,023	3,343 4,090 2,023	5,546 4,090 2,023	8,944 7,326 5,480	1,058 723 283	2,072 2,162 1,017	3,443 3,211 1,689	8,491 7,861 3,928	5,048 4,650 2,239	-4.2 71.6 100.1	8.0	
Salt.	1909 1904 1899	124 146 159	5,580 5,171 87	74 418 406	4,936 4,666 4,774	27,263 19,434 23,865	27,263 19,434 23,865	29,012 25,586 27,123	719 487 500	2,531 2,096 1,911	5,203 4,166 3,336	11,328 9,438 7,967	6,125 5,272 4,631	5.8 -2.3 20.0	18.5	
Sand and emery paper and cloth.	1909 1904 1899	10 8 9	779 356 11	9 11 63	159 305 274	611 1,133 898	3,351 1,133 898	4,400 1,206 1,372	219 78 98	370 183 144	2,382 1,055 681	4,358 1,477 1,176	1,976 422 495	100.3 11.3 25.6	195.1	
Saws.	1909 1904 1899	96 83 96	5,757 5,301 312	84 75 312	841 576 3,215	4,832 4,650 3,493	11,852 7,491 5,493	14,855 11,288 8,509	966 2,707 329	2,856 4,036 1,693	4,912 4,036 2,600	11,536 9,830 6,444	6,624 5,784 3,844	3.9 4.6 52.4	17.5	
Scales and balances.	1909 1904 1899	87 85 86	4,275 3,641 305	44 77 305	672 3,133 2,775	3,559 3,251 2,466	6,183 3,251 2,466	10,183 8,513 6,308	815 477 297	2,186 1,755 1,437	2,704 1,633 1,533	8,786 6,003 5,240	6,082 4,370 3,707	13.6 12.9 14.6	46.4	
Screws, machine.	1909 1904 1899	43 26 25	1,893 2,193 105	32 15 108	1,667 1,965 1,557	3,319 3,201 1,407	3,728 4,133 2,467	199 413 2,467	990 244 703	1,160 942 797	3,014 2,712 2,059	1,854 1,761 1,262	-15.2 21.2 31.7	11.1		
Screws, wood.	1909 1904 1899	11 7 8	3,758 1,647 139	1 1 139	2,903 1,488 1,970	5,618 3,715 3,490	9,570 3,715 3,490	12,705 5,969 5,465	375 193 169	2,454 556 721	2,909 732 923	6,199 2,134 2,600	3,890 1,402 1,677	132.8 -24.5 -17.9	190.5	
Sewing machines, cases, and attachments.	1909 1904 1899	47 54 64	20,556 18,064 19	14 19 704	19,296 17,121 13,365	19,296 17,121 10,069	19,296 17,121 10,069	33,104 32,583 20,804	1,423 1,152 933	11,102 9,493 7,331	11,455 10,701 9,458	25,292 26,142 21,125	16,807 15,441 11,667	12.7 28.1 23.7	8.1	
Shipbuilding, including boat building.	1909 1904 1899	1,333 1,007 1,107	44,949 54,424 1,107	1,463 1,190 1,405	40,506 50,754 46,747	88,063 78,127 61,797	88,063 78,127 61,797	126,118 121,624 77,341	4,435 3,340 2,007	25,268 29,241 24,825	31,214 37,463 33,475	73,760 82,769 74,832	42,146 45,306 41,057	-20.2 8.6 11.1	-11.4	
Shoddy.	1909 1904 1899	98 97 105	2,320 2,371 105	83 196 139	2,041 12,344 1,926	13,820 12,344 1,455	6,887 5,304 5,273	290 245 167	907 835 749	5,001 6,056 4,875	7,446 8,406 6,731	2,445 2,355 1,856	-2.3 8.5 24.9	-11.4		
Show cases.	1909 1904 1899	149 141 102	3,943 3,522 141	154 135 106	3,999 3,082 1,363	4,746 4,087 1,232	4,746 4,087 1,232	5,369 3,143 1,153	505 330 88	2,017 1,681 1,058	3,140 2,374 2,468	7,167 5,722 2,468	4,027 3,348 1,410	10.0 126.1 131.8	25.3	
Signs and advertising novelties. <sup>1</sup>	1909	288	7,277	211	1,526	5,540	3,790	9,647	1,476	3,105	4,709	13,546	8,837			
Silk and silk goods, in- cluding throwsters.	1909 1904 1899	832 624 483	105,238 84,133 2,657	664 79,613 2,657	5,537 79,613 65,416	99,037 71,767 57,397	97,947 71,767 57,397	152,158 109,557 81,082	7,527 4,742 3,134	38,570 26,768 20,982	167,767 75,961 62,407	196,912 133,388 77,427	89,145 57,427 44,849	24.4 21.7 24.3	47.3	
Silverware and plated ware.	1909 1904 1899	183 158 169	18,774 16,306 119	114 120 1129	2,050 16,306 12,205	15,183 14,801 8,486	15,183 14,801 8,486	46,759 37,722 30,628	2,745 1,825 1,457	10,282 14,459 6,531	18,332 24,739 11,659	42,229 32,840 26,114	23,897 18,381 14,455	11.8 21.8 45.8	28.6	
Slaughtering and meat packing.	1909 1904 1899	1,641 1,221 1,080	108,716 88,819 10,317	1,659 1,324 10,317	99,728 75,336 69,264	208,707 119,311 87,060	208,707 119,311 87,060	383,249 249,419 190,209	20,054 13,453 10,211	51,645 41,967 33,846	1,302,828 822,038 685,310	1,370,568 770,612 788,368	167,740 10,612 105,058	19.0 8.9 45.6	18.0	
Smelting and refining, copper.	1909 1904 1899	38 40 47	16,832 13,562 488	7 1 488	15,628 12,552 11,324	158,126 78,524 61,630	158,126 78,524 61,630	111,443 78,524 53,063	10,419 1,527 955	13,306 10,827 8,529	333,532 240,780 122,174	378,806 240,780 165,132	45,274 44,043 42,958	22.6 12.6 42.958	57.3	
Smelting and refining, lead.	1909 1904 1899	28 32 39	8,059 8,059 425	3 3 425	7,424 7,673 8,319	26,954 25,667 16,342	26,954 25,667 16,342	132,310 63,223 72,149	1,476 888 755	5,431 3,375 5,089	151,963 168,058 144,195	167,406 185,827 175,466	15,443 16,899 31,271	-2.0 -9.0 -9.9	9.9	
Smelting and refining, zinc.	1909 1904 1899	29 31 31	7,156 6,894 208	3 2 208	6,655 6,528 4,869	21,457 18,404 11,445	21,457 18,404 11,445	27,769 23,792 14,142	993 581 440	4,210 3,836 2,356	25,230 24,791 13,286	34,206 24,791 18,188	8,976 7,763 4,902	1.9 34.1 36.3	38.0	
Smelting and refining, not from the ore.	1909 1904 1899	89 65 61	2,996 1,994 203	73 57 203	376 225 983	2,147 1,712 8,633	10,705 17,111 8,633	13,834 9,807 5,201	570 354 229	1,281 995 532	23,162 13,760 5,900	28,072 17,403 7,785	4,910 3,643 1,855	25.4 74.2 61.3	61.3	

<sup>1</sup> Included in other classifications in 1904 and 1899.



## COMPARATIVE SUMMARY FOR THE UNITED STATES, BY SPECIFIED INDUSTRIES: 1909, 1904, AND 1899—Continued.

[See explanatory notes on the first page of this table.]

Table 110—Contd.		Cen- sus.	Num- ber of estab- lish- ments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse- power.	Capital.	Sala- ries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture (value of products less cost of materi- als).	PER CENT OF INCREASE.	
INDUSTRY.	Total.			Pro- prio- tors and firm mem- bers.	Salaried em- ployees.	Wage earners (average number).	Wage earners (aver- age num- ber).								Value of prod- ucts.	
																Expressed in thousands.
Wall plaster <sup>1</sup> .....	1909	198	5,624	60	773	4,791	25,892	\$16,885	\$1,049	\$2,391	\$6,007	\$12,504	\$6,797	27.5	26.0	
	1904	176	4,459	72	629	3,758	20,054	13,204	620	1,890	4,726	10,164	5,438			
Washing machines and clothes wringers.	1909	100	2,294	76	383	1,835	3,351	5,318	466	904	2,837	5,825	2,988	13.1	51.7	
	1904	92	1,801	68	171	1,622	3,564	2,952	148	684	2,213	3,839	1,626	7.5	2.8	
	1899	118	.....	104	1,509	2,732	2,732	2,405	104	549	2,175	3,735	1,560			
Waste.....	1909	53	2,126	41	191	1,897	4,286	6,125	290	716	8,837	11,398	2,561	21.7	76.0	
	1904	41	1,716	41	116	1,559	3,863	3,586	164	495	6,825	8,343	1,518	42.9	31.0	
	1899	25	.....	58	1,091	2,193	2,437	85	327	4,000	4,880		880			
Wheelbarrows.....	1909	24	775	17	94	664	1,486	1,510	81	321	715	1,625	910	13.7	37.9	
	1904	26	665	12	69	584	1,282	1,045	76	296	494	1,178	684	81.9	159.5	
	1899	15	.....	31	321	762		514	27	127	180	454	274			
Whips.....	1909	57	1,946	90	310	1,546	1,321	3,900	323	704	1,585	3,949	2,364	-0.5	25.5	
	1904	58	1,771	43	174	1,554	1,068	3,368	184	603	1,253	3,147	1,804	20.7	15.1	
	1899	60	.....	228	1,287		818	1,894	246	478	1,278	2,734	1,456			
Windmills.....	1909	34	2,742	18	387	2,337	3,301	5,636	479	1,403	3,331	6,677	3,346	21.2	39.2	
	1904	53	2,341	25	387	1,929	3,694	5,837	392	969	2,308	4,795	2,487	-5.7	10.1	
	1899	68	.....	281	2,045	2,214	4,309	250	940	2,172		4,354	2,182			
Window shades and fix- tures.	1909	219	4,770	194	646	3,930	5,737	10,334	807	1,918	12,653	18,571	5,918	49.8	107.9	
	1904	144	3,165	132	409	2,624	2,705	5,977	480	1,086	5,947	8,931	2,984	45.7	10.6	
	1899	96	.....	292	1,801	1,927		5,184	323	752	5,575	8,072	2,497			
Wire.....	1909	56	19,945	15	1,846	18,084	71,959	60,157	2,199	10,316	60,543	84,486	23,943	281.8	122.8	
	1904	25	5,325	7	581	4,737	25,856	14,899	793	2,859	30,063	37,914	7,851	195.5	26.9	
	1899	29	.....	94	1,603	9,979	9,979	4,242	136	860	7,014	9,421	2,407			
Wirework, including wire rope and cable.	1909	611	14,994	484	2,162	12,348	20,131	34,970	2,674	6,331	24,394	41,938	17,544	-7.7	26.9	
	1904	649	15,967	652	1,936	13,379	18,280	26,894	2,117	6,100	17,856	33,068	15,182	46.3	66.5	
	1899	596	.....	995	9,142	12,772	12,772	16,345	940	3,894	10,813	19,840	9,027			
Wood carpet.....	1909	10	221	9	28	184	269	423	33	138	228	490	262	-50.7	-38.8	
	1904	20	445	22	50	373	473	330	45	269	351	801	450	-38.7	-24.2	
	1899	31	.....	49	608	534		412	35	362	418	1,057	639			
Wood distillation, not in- cluding turpentine and rosin. <sup>2</sup>	1909	120	3,095	56	318	2,721	9,854	13,017	355	1,463	5,876	9,737	3,861	19.8	24.6	
	1904	141	2,655	82	301	2,272	4,620	10,507	298	1,667	4,848	7,813	2,965			
Wood preserving.....	1909	53	2,875	1	471	2,403	10,647	12,408	517	1,666	9,328	14,099	4,771	226.1	318.6	
	1904	26	859	7	115	737	3,439	2,935	158	315	2,463	3,368	905	54.2	40.6	
	1899	21	.....	54	548	1,007	1,007	1,230	57	205	1,825	2,396	571			
Wood, turned and carved.	1909	1,050	16,243	1,097	1,007	14,139	48,447	18,334	1,045	6,213	9,744	22,199	12,455	-3.7	10.1	
	1904	1,097	16,837	1,226	924	14,687	47,595	16,842	829	6,031	8,578	20,169	11,591	27.1	40.9	
	1899	1,166	.....	565	11,558		31,133	10,280	488	4,371	5,830	14,318	8,488			
Wool pulling.....	1909	37	759	37	91	631	1,366	3,248	132	387	4,103	5,181	1,078	-7.3	48.4	
	1904	34	786	40	65	681	1,324	2,534	74	365	104	882	778	43.4	66.1	
	1899	34	.....	35	475		820	945	35	248	54	531	1,077			
Wool scouring.....	1909	28	1,262	18	102	1,142	6,782	3,258	143	558	2,122	3,289	1,167	46.6	212.3	
	1904	27	852	18	55	779	3,478	1,188	78	398	215	1,053	838	8.2	18.3	
	1899	25	.....	45	720	2,900		1,061	72	339	194	890	696			
Woolen, worsted, and felt goods, and wool hats.	1909	985	175,176	732	5,722	168,722	362,209	430,579	10,097	72,427	282,878	435,979	153,101	15.0	36.5	
	1904	1,074	152,306	958	4,593	146,755	288,969	314,081	6,781	57,073	204,613	319,348	114,735	12.3	28.4	
	1899	1,281	.....		3,808	130,697	244,825	265,730	5,574	46,812	153,930	248,798	94,868			
All other industries <sup>3</sup> .....	1909	8	132	11	25	96	136	254	39	67	115	390	275	-78.0	-63.1	
	1904	15	494	8	50	436	1,767	3,860	59	263	386	1,058	672	-64.1	-60.1	
	1899	17	.....	97	1,215	2,354	2,354	4,078	113	687	988	2,650	1,662			

<sup>1</sup> Included in "lime and cement" in 1899.<sup>2</sup> Included in "chemicals" in 1899.<sup>3</sup> All other industries embrace "Millstones," 1 establishment; "ordnance and accessories," 2; "pulp, from fiber other than wood," 2; "straw goods, not elsewhere specified," 2; and "whalebone cutting," 1, in 1902. "Millstones," 3; "ordnance and accessories," 4; "pulp, from fiber other than wood," 1; "straw goods, not elsewhere specified," 6; "whalebone cutting," 2, in 1904. "Millstones," 3; "ordnance and accessories," 4; "pulp, from fiber other than wood," 3; "straw goods, not elsewhere specified," 4; "whalebone cutting," 3, in 1899.





## COMPARATIVE SUMMARY FOR THE UNITED STATES, BY STATES: 1909, 1904, AND 1899—Continued.

[See explanatory note on the first page of this table.]

Table 111—Contd.		PERSONS ENGAGED IN INDUSTRY.					Primary horse-power.	Capital.	Salar- ies.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture (value of products less cost of materials).	PER CENT OF INCREASE.								
DIVISION AND STATE	Cen- sus.	Number of estab- lishments.	Total.	Pro- pri- etors and firm mem- bers.	Salaried em- ployees.	Wage earners (average number).								Wage earn- ers (aver- age num- ber).	Value of prod- ucts.							
Expressed in thousands.																						
EAST NORTH CENTRAL—Continued.																						
Michigan.....	1909	9,159	271,071	8,965	30,607	231,469	598,288	\$83,947	\$34,870	\$118,968	\$568,612	\$685,109	\$316,497	32.1	59.7							
	1904	7,446	200,196	7,732	17,255	175,239	440,890	337,894	17,470	81,279	230,081	439,130	199,639	12.5	34.2							
	1899	7,310	155,800	15,350	155,800	155,800	368,497	368,496	12,336	62,532	175,966	319,692	145,726									
Wisconsin.....	1909	9,721	213,426	8,556	22,287	182,583	554,179	605,657	25,737	93,905	346,356	590,305	243,949	26.6	43.6							
	1904	8,538	173,572	7,961	14,230	151,391	449,254	412,647	15,498	71,472	227,255	411,140	183,885	10.1	25.8							
	1899	7,941	10,480	10,480	137,525	137,525	364,380	286,051	10,493	55,696	185,695	526,753	141,058									
WEST NORTH CENTRAL:																						
Minnesota.....	1909	5,561	104,496	5,376	14,263	84,767	207,670	275,416	15,451	47,471	281,622	490,420	127,768	21.7	33.0							
	1904	4,756	83,301	4,524	9,141	69,636	220,934	184,983	9,033	35,843	210,554	307,858	99,304	7.9	37.6							
	1899	4,096	64,557	6,625	64,557	64,557	180,124	133,077	6,064	20,029	150,299	223,693	73,394									
Iowa.....	1909	5,528	78,360	5,323	11,402	61,635	155,384	171,219	10,972	32,542	170,707	276,238	88,531	24.6	61.4							
	1904	4,782	61,361	4,758	7,122	49,481	118,065	118,065	5,948	22,997	102,844	160,572	44,600	11.4	20.8							
	1899	4,828	5,159	5,159	44,420	44,420	106,664	55,668	4,233	18,021	85,779	132,871	47,092									
Missouri.....	1909	8,375	185,705	8,226	24,486	152,993	340,467	444,343	28,994	80,843	354,411	574,111	219,700	14.9	30.6							
	1904	7,494	156,383	6,290	17,119	135,167	247,861	379,580	19,062	60,644	252,258	439,549	187,291	23.6	39.0							
	1899	6,853	12,474	12,474	107,704	107,704	189,117	223,781	13,295	46,714	184,189	312,115	132,115									
North Dakota.....	1909	752	4,148	723	636	2,789	13,196	11,585	629	1,787	13,674	19,137	5,463	58.9	87.3							
	1904	507	2,945	494	296	1,755	9,873	7,583	258	1,032	7,096	10,218	3,122	20.2	63.2							
	1899	337	152	1,358	152	1,358	7,351	5,704	130	671	4,151	6,260	2,109									
South Dakota.....	1909	1,030	5,226	942	682	3,602	17,666	13,018	616	2,297	11,476	17,870	6,394	44.5	36.6							
	1904	696	4,582	649	441	2,492	11,154	7,583	294	1,422	8,607	13,046	4,380	12.0	37.3							
	1899	624	288	2,224	288	2,224	11,775	6,051	175	1,130	6,454	9,530	3,046									
Nebraska.....	1909	2,500	31,966	2,522	5,108	24,336	64,466	99,901	5,491	13,948	151,081	196,019	47,938	20.1	28.5							
	1904	1,819	25,356	1,964	3,192	20,299	46,372	80,235	3,075	11,022	124,052	154,918	30,566	8.5	18.9							
	1899	1,695	2,296	2,296	18,669	18,669	41,825	65,906	2,107	8,842	95,925	130,362	34,377									
Kansas.....	1909	3,435	54,649	3,571	6,863	44,215	213,141	156,099	7,351	25,904	238,884	325,104	66,220	24.3	64.0							
	1904	2,473	42,057	2,766	3,731	35,570	99,441	88,680	3,903	18,882	159,268	198,245	41,753	31.2	28.7							
	1899	2,299	3,612	3,612	27,119	68,242	59,458	3,123	12,802	120,738	154,009	33,271	33,271									
SOUTH ATLANTIC:																						
Delaware.....	1909	726	23,984	722	2,024	21,238	52,779	60,906	2,322	10,296	30,938	52,840	21,902	15.0	28.4							
	1904	631	20,567	641	1,451	18,475	49,490	50,926	1,629	8,158	24,884	41,160	16,276	-10.2	-0.4							
	1899	633	1,189	20,562	1,189	20,562	40,134	38,791	1,337	8,457	24,725	41,321	16,596									
Maryland.....	1909	4,837	125,489	5,376	12,192	107,921	218,244	251,227	13,617	45,436	190,049	315,669	116,620	14.6	29.7							
	1904	3,852	107,303	4,505	8,624	94,174	165,449	201,878	8,844	36,144	156,024	234,376	93,352	(4)	19.3							
	1899	3,886	6,741	94,170	6,741	94,170	132,052	149,155	6,845	32,414	129,355	211,076	81,721									
District of Columbia.....	1909	518	9,758	475	1,576	7,707	16,563	30,553	1,846	4,999	10,247	25,289	15,042	22.4	37.7							
	1904	482	7,778	473	1,006	6,299	12,592	20,240	1,207	3,659	7,732	18,359	10,627	2.3	11.8							
	1899	491	957	6,155	957	6,155	10,255	17,961	872	3,023	7,475	16,426	8,951									
Virginia.....	1909	5,685	120,797	6,570	8,551	105,676	283,928	216,392	9,101	38,154	125,583	219,794	94,211	31.6	47.7							
	1904	3,187	88,898	3,643	4,970	80,285	176,998	147,989	4,875	27,943	83,649	148,857	65,208	21.2	37.0							
	1899	3,186	3,828	66,223	3,828	66,223	136,696	92,300	3,630	20,274	59,360	108,644	49,284									
West Virginia.....	1909	2,586	71,463	2,569	4,971	63,893	127,496	150,922	5,710	33,000	92,878	161,949	69,071	46.0	63.5							
	1904	2,109	48,880	2,230	2,842	43,758	138,578	86,821	2,899	21,153	54,419	99,041	44,622	32.3	47.8							
	1899	1,824	1,734	33,060	1,734	33,060	91,804	49,103	1,519	12,640	37,228	67,007	29,779									
North Carolina.....	1909	4,931	133,453	5,451	6,529	121,473	378,556	217,185	6,903	34,355	121,861	216,556	94,795	42.3	52.0							
	1904	3,272	90,142	3,731	4,072	85,339	216,622	141,001	3,795	21,375	79,268	142,521	63,253	18.0	67.1							
	1899	3,465	2,894	72,322	2,894	72,322	154,467	68,283	2,395	14,052	44,854	85,274	40,420									
South Carolina.....	1909	1,854	78,040	1,737	3,257	73,046	276,378	173,221	3,796	20,361	66,351	113,236	46,885	22.9	42.7							
	1904	1,369	63,071	1,241	2,389	59,441	197,479	113,422	2,355	13,869	49,969	79,376	29,407	26.4	48.8							
	1899	1,369	1,419	47,025	1,419	47,025	112,697	62,750	1,307	9,130	30,486	53,336	22,850									
Georgia.....	1909	4,792	118,066	5,141	8,307	104,588	298,241	202,778	9,062	34,805	116,970	202,863	85,893	12.8	34.3							
	1904	3,219	102,365	3,512	6,104	92,749	220,419	135,211	5,927	27,393	83,625	151,040	67,415	31.8	39.8							
	1899	3,015	3,815	83,336	3,815	83,336	136,499	79,303	3,204	19,958	49,356	94,532	45,176									
Florida.....	1909	2,159	64,810	2,712	5,425	57,473	89,816	65,291	4,955	22,982	26,128	72,890	46,762	36.5	44.9							
	1904	1,413	46,985	1,769	3,125	42,091	43,413	32,972	2,670	15,767	16,532	50,298	33,766	18.7	47.1							
	1899	1,275	35,471	35,471	35,471	35,471	36,356	25,682	1,269	10,916	12,847	34,184	21,337									
EAST SOUTH CENTRAL:																						
Kentucky.....	1909	4,776	79,060	5,050	8,610	65,400	230,224	172,779	9,603	27,888	111,779	223,754	111,975	9.4	40.1							
	1904	3,734	69,755	4,108	5,853	59,794	174,625	147,282	5,871	24,439	86,545	159,754	73,209	15.6	26.3							
	1899	3,648	144,161	4,836	51,735	144,161	144,161	87,996	4,185	18,454	67,406	126,569	59,103									
Tennessee.....	1909	4,606	87,672	5,415	8,417	73,840	242,277	167,924	9,186	28,251	104,016	180,217	76,201	21.9	30.6							
	1904	3,179	69,287	3,805	4,910	60,572	175,780	102,440	5,081	22,806	79,352	137,961	58,609	31.8	48.6							
	1899	3,116	3,629	45,963	3,629	45,963	130,318	63,140	3,048	14,727	54,569	92,749	38,190									
Alabama.....	1909	3,398	81,972	3,769	6,055	72,148	357,837	173,180	6,565	27,844	145,962	62,520	16.0	33.7								
	1904	1,882	67,884	1,948	3,763	62,173	293,185	105,383	3,867	21,878	60,458	109,170	48,712	18.0	51.4							
	1899	2,000	2,229	52,711	2,229	52,711	173,208	60,106	2,059	14,912	37,998	72,110	34,112									
Mississippi.....	1909	2,598	56,761	2,974	3,403	50,384	206,222	72,393	3,654	18,768	36,926	80,555	43,629	50.2	40.2							
	1904	1,520	42,966	1,588	2,688	38,690	110,338	50,256	2,598	14,819	25,801	57,451	31,650	44.4	70.4							
	1899	1,294	1,294	26,739	1,294	26,739	65,738	22,712	1,093	7,910	16,543	33,718	17,175									

1 Less than one-tenth of 1 per cent.

## COMPARATIVE SUMMARY FOR THE UNITED STATES, BY STATES: 1909, 1904, AND 1899—Continued.

[See explanatory note on the first page of this table.]

Table 111—Contd.		Cen- sus.	Num- ber of estab- lish- ments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse- power.	Capital.	Sala- ries.	Wages.	Cost of materials.	Value of products.	Value added by manu- facture (value of products less cost of materials).	PER CENT OF INCREASE.	
DIVISION AND STATE.	Total.			Pro- pri- etors and firm members.	Salaried em- ployees.	Wage earners (average number).	Wage earners (aver- age num- ber).								Value of prod- ucts.	
																Expressed in thousands.
WEST SOUTH CENTRAL:																
Arkansas.....	1909	2,925	51,730	3,455	3,293	44,982	173,088	\$70,174	\$3,461	\$19,113	\$34,935	\$74,916	\$39,981	35.9	39.1	
	1904	1,907	37,557	2,140	2,328	33,089	109,509	46,306	2,310	14,544	21,799	53,865	32,006	5.0	35.0	
	1899	1,746	.....	.....	1,549	31,525	79,560	25,385	1,262	10,184	18,288	39,888	21,600	.....	.....	
Louisiana.....	1909	2,516	86,563	2,295	8,103	76,165	346,652	221,816	9,008	33,856	134,865	223,949	89,084	36.4	20.2	
	1904	2,091	63,735	1,899	5,977	55,859	251,963	150,811	6,044	25,316	117,035	186,380	69,345	36.6	67.3	
	1899	1,826	.....	.....	3,576	40,878	196,182	100,875	2,534	14,725	75,404	111,398	35,994	.....	.....	
Oklahoma.....	1909	2,310	18,034	2,698	2,193	13,143	71,139	38,873	2,045	7,240	34,153	53,682	19,529	140.9	119.5	
	1904	1,123	7,456	1,187	813	5,456	29,608	16,124	718	2,799	16,394	24,459	8,065	129.1	200.7	
	1899	495	.....	.....	269	2,381	11,572	4,654	219	894	5,430	8,134	2,704	.....	.....	
Texas.....	1909	4,588	84,575	4,496	9,849	70,230	282,471	216,876	10,868	37,907	178,178	272,896	94,718	43.1	81.3	
	1904	3,158	57,892	3,073	5,753	49,066	164,637	115,665	6,118	24,469	91,604	156,528	58,924	27.1	62.0	
	1899	3,107	.....	.....	2,861	38,664	116,157	63,655	2,919	16,912	54,388	92,894	38,506	.....	.....	
MOUNTAIN:																
Montana.....	1909	677	13,694	659	1,380	11,655	90,402	44,588	2,054	10,961	49,180	73,272	24,092	30.1	10.3	
	1904	382	10,196	334	905	8,957	46,736	52,590	1,506	8,652	40,930	66,415	25,485	-9.1	25.9	
	1899	395	.....	.....	508	9,834	45,679	38,225	786	7,977	30,068	52,745	22,677	.....	.....	
Idaho.....	1909	725	9,909	831	858	8,220	42,804	32,477	984	5,498	9,920	22,400	12,480	168.5	155.4	
	1904	364	3,791	371	359	3,061	16,987	9,689	379	2,059	4,069	8,769	4,700	97.2	192.2	
	1899	287	.....	.....	92	1,552	5,640	2,130	66	818	1,439	3,001	1,562	.....	.....	
Wyoming.....	1909	268	3,393	263	293	2,867	7,628	6,195	311	2,081	2,698	6,249	3,641	56.3	77.4	
	1904	169	2,163	150	179	1,834	3,604	2,696	206	1,261	1,301	3,523	2,222	-11.0	7.8	
	1899	139	.....	.....	87	2,060	3,820	2,048	91	1,269	1,370	3,265	1,898	.....	.....	
Colorado.....	1909	2,634	34,115	1,722	4,326	28,067	154,615	162,668	5,648	19,912	80,491	130,044	49,553	28.7	29.9	
	1904	1,606	25,888	1,398	2,677	21,813	124,967	107,664	3,549	15,100	63,114	100,144	37,030	11.9	12.4	
	1899	1,323	.....	.....	1,870	19,498	45,434	58,173	2,659	11,708	66,751	89,068	28,317	.....	.....	
New Mexico.....	1909	313	4,766	288	335	4,143	15,465	7,743	383	2,591	3,261	7,898	4,637	19.1	38.4	
	1904	199	3,891	189	224	3,478	5,948	4,638	204	2,153	2,236	5,706	3,470	39.7	40.5	
	1899	174	.....	.....	88	2,490	3,658	2,161	91	1,199	1,599	4,061	2,062	.....	.....	
Arizona.....	1909	311	7,202	261	500	6,441	39,140	32,873	798	5,505	33,600	50,257	16,657	34.4	79.0	
	1904	169	5,217	133	291	4,793	21,412	14,396	472	3,969	14,595	28,083	13,488	53.3	37.4	
	1899	154	.....	.....	205	3,126	8,337	9,517	268	2,287	7,877	20,439	12,562	.....	.....	
Utah.....	1909	749	14,133	688	1,660	11,785	42,947	52,627	1,966	8,490	41,266	61,989	20,723	46.4	59.2	
	1904	606	9,650	619	979	8,652	19,397	26,004	1,039	5,158	24,940	38,927	13,987	48.8	116.5	
	1899	575	.....	.....	599	5,413	12,674	13,219	501	2,763	11,440	17,882	6,542	.....	.....	
Nevada.....	1909	177	2,650	137	256	2,257	7,765	9,806	378	1,982	8,366	11,887	3,521	181.4	283.9	
	1904	115	1,016	108	106	802	2,834	2,892	126	694	1,628	3,096	1,468	59.1	145.5	
	1899	99	.....	.....	37	504	1,561	1,251	34	353	662	1,261	599	.....	.....	
PACIFIC:																
Washington.....	1909	3,674	80,118	3,264	7,734	69,129	297,897	222,261	9,827	49,766	117,888	220,746	102,858	52.9	71.4	
	1904	2,751	51,459	2,602	3,638	45,199	168,342	96,953	4,093	30,087	66,166	128,822	62,656	43.4	81.9	
	1899	1,926	.....	.....	2,103	31,523	87,601	41,575	2,064	17,065	38,277	70,831	32,534	.....	.....	
Oregon.....	1909	2,246	34,722	2,499	3,473	28,750	175,019	89,682	4,047	19,902	50,552	93,065	42,453	55.2	67.5	
	1904	1,602	22,018	1,726	1,769	18,523	81,348	44,023	2,133	11,443	30,592	55,525	24,928	28.1	51.7	
	1899	1,406	.....	.....	1,143	14,459	60,005	28,359	1,222	6,822	20,789	36,593	15,804	.....	.....	
California.....	1909	7,659	141,576	8,077	18,203	115,296	329,160	537,124	22,955	84,142	325,238	529,761	204,523	14.9	44.3	
	1904	6,839	120,040	7,402	12,283	100,555	210,359	282,647	14,399	64,637	215,726	367,218	151,492	30.0	42.7	
	1899	4,997	.....	.....	6,877	77,224	126,953	175,468	7,495	39,890	164,894	257,386	92,492	.....	.....	

¹ Includes Indian Territory.



## CITIES OF 10,000 INHABITANTS OR OVER—NUMBER OF ESTABLISHMENTS, AVERAGE NUMBER OF WAGE EARNERS, VALUE OF PRODUCTS, AND VALUE ADDED BY MANUFACTURE: 1909, 1904, AND 1899.

NOTE.—The figures for some cities do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the cities. Figures for 1904 and 1899 are available for cities which had between 8,000 and 10,000 inhabitants in 1900 and are included, but for cities having less than 8,000 inhabitants in 1900 comparative data are not available.

Table 113.

CITY.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE (VALUE OF PRODUCTS LESS COST OF MATERIALS).		
							Expressed in thousands.					
	1909	1904	1899	1909	1904	1899	1909	1904	1899	1909	1904	1899
<b>ALABAMA:</b>												
Anniston.....	39	35	25	2,167	2,005	1,445	\$4,333	\$3,327	\$1,863	\$1,509	\$1,449	\$894
Bessemer.....	31			1,816			6,106			1,867		
Birmingham.....	248	122	109	8,999	3,987	3,490	24,128	7,593	8,599	10,118	3,614	4,610
Gadsden.....	27			789			1,325			621		
Mobile.....	125	113		2,362	2,496	2,371	5,529	4,942	3,480	2,430	2,630	1,934
Montgomery.....	73	59	52	2,284	1,940	1,528	5,443	3,878	2,944	2,420	1,689	1,229
Selma.....	35	26	32	813	668	699	2,382	1,139	1,419	787	512	567
<b>ARIZONA:</b>												
Phoenix.....	57			304			1,467			603		
Tucson.....	35			555			2,037			767		
<b>ARKANSAS:</b>												
Argenta.....	18			2,157			4,842			2,157		
Fort Smith.....	83	63	66	1,455	1,049	677	3,739	2,329	1,401	1,733	1,216	759
Hot Springs.....	71	22	21	335	239	94	844	597	191	541	309	106
Little Rock.....	125	104	62	2,017	1,970	1,397	6,882	4,690	3,373	2,868	2,131	1,600
Pine Bluff.....	42	34	37	1,118	1,425	990	2,387	2,300	1,541	1,033	1,079	752
<b>CALIFORNIA:</b>												
Alameda.....	51	30	23	915	279	372	2,534	697	1,335	1,625	464	547
Bakersfield.....	27			746			2,819			1,119		
Berkeley.....	84	44	22	1,084	338	211	4,435	1,474	651	1,748	692	259
Eureka.....	48			946			3,012			1,518		
Fresno.....	76	80	62	1,938	1,915	819	11,090	9,754	2,752	3,908	2,326	1,045
Long Beach.....	51			277			927			429		
Los Angeles.....	1,325	814	534	17,327	10,424	5,173	68,586	34,814	15,134	29,673	16,125	7,046
Oakland.....	441	248	195	6,965	3,553	2,476	22,345	9,015	5,368	10,496	4,708	2,664
Pasadena.....	88	46	28	499	318	177	1,724	967		570	546	294
Pomona.....	37			147			560			330		
Redlands.....	37			147			518			279		
Riverside.....	53			267			1,178			511		
Sacramento.....	211	156	111	4,514	4,203	3,686	13,367	10,973	9,465	7,980	4,929	4,150
San Bernardino.....				729			1,660			897		
San Diego.....	117	89	57	1,071	541	255	4,741	1,974	670	2,074	838	349
San Francisco.....	1,796	2,251	1,748	28,244	38,429	32,555	133,041	137,788	107,024	56,824	61,842	41,489
San Jose.....	133	153	124	1,430	1,350	1,221	1,431	4,298	3,292	2,368	1,786	1,442
Santa Barbara.....	51			265			1,169			493		
Santa Cruz.....	54			274			1,161			473		
Stockton.....	144	110	91	1,584	1,333	1,185	11,849	8,600	5,525	3,529	2,180	1,533
Vallejo.....	25			203			1,896			492		
<b>COLORADO:</b>												
Colorado Springs.....	59	49	34	516	410	409	1,733	1,101	845	910	690	480
Cripple Creek.....		22	35	51	167			223	441	147		266
Denver.....	766	722	574	12,058	9,672	8,500	51,538	36,660	37,906	20,611	15,660	13,434
Leadville.....		32	34	861	1,227		5,446	5,883		1,562		1,043
Pueblo.....	94	80	69	1,330	941	790	3,345	2,197	1,440	1,848	1,256	768
Trinidad.....	30			220			814			303		
<b>CONNECTICUT:</b>												
Ansonia.....	53	49	49	4,127	3,394	3,288	20,088	19,132	18,515	5,477	3,824	3,559
Bridgeport.....	367	306	246	25,775	19,492	17,038	65,609	44,596	33,536	27,462	22,252	16,249
Danbury.....	131	103	104	4,810	4,515	3,939	10,318	8,066	6,527	5,439	4,371	2,269
Hartford.....	396	340	322	14,627	11,221	10,677	40,680	25,974	23,829	22,817	14,487	12,450
Meriden.....	120	97	92	7,845	7,281	6,689	16,317	13,764	11,751	9,374	8,120	6,645
Middletown.....	58	65	60	2,434	2,318	2,495	4,955	4,351	4,152	2,012	1,788	1,799
Naugatuck borough.....	24	22	22	3,464	3,628	3,160	11,033	11,010	8,887	3,704	3,750	2,815
New Britain.....	111	95	82	13,513	10,073	8,019	22,621	14,990	11,096	13,693	9,292	6,500
New Haven.....	590	490	457	25,547	21,437	17,594	51,071	39,666	34,900	26,752	21,145	18,794
New London.....	70	57	54	2,225	2,554	1,963	4,483	4,710	4,221	1,822	2,183	1,959
Norwich.....	91	87	89	4,470	3,706	3,172	9,389	6,022	5,935	4,587	2,979	2,889
Stamford.....	86	62	49	3,984	3,341	2,445	8,739	5,890	3,920	5,035	3,560	2,220
Torrington borough.....	54	43	37	4,488	4,025	3,311	12,550	9,074	5,883	5,087	2,750	2,017
Waterbury.....	169	143	124	20,170	15,406	13,225	50,350	32,367	30,730	21,624	14,997	12,128
Willimantic.....	47	35	30	3,020	2,852	2,258	6,733	4,902	3,023	3,339	2,832	1,663
<b>DELAWARE:</b>												
Wilmington.....	261	245	202	14,663	13,508	14,498	38,069	30,285	30,587	16,093	12,164	12,711
<b>DISTRICT OF COLUMBIA:</b>												
	518	482	491	7,707	6,299	6,155	25,289	18,359	16,426	15,042	10,627	8,951
<b>FLORIDA:</b>												
Jacksonville.....	114	125	74	1,988	2,650	1,238	6,722	5,340	1,799	2,725	2,550	993
Key West.....	56	73	53	2,431	2,406	1,809	3,965	4,254	3,088	2,322	2,448	1,817
Pensacola.....	60	39	32	961	1,206	578	1,967	1,968	1,053	1,088	1,117	551
Tampa.....	215	141	70	8,996	5,831	3,919	17,653	11,264	7,083	10,290	6,713	3,507
<b>GEORGIA:</b>												
Athens.....	37	28	27	962	509	589	2,112	1,158	678	783	405	264
Atlanta.....	483	294	196	12,302	11,891	7,966	33,038	25,746	14,419	16,620	12,305	6,976
Augusta.....	71	64	80	5,073	4,839	5,563	10,456	8,829	7,984	3,854	2,876	2,837
Brunswick.....	23	29	25	385	454	351	672	407	303	1,040	220	304
Columbus.....	53	52	58	4,961	4,454	4,110	8,552	7,060	5,990	2,796	2,002	1,565
Macon.....	80	61	66	3,729	3,661	2,994	10,703	7,297	5,452	3,833	3,181	2,301
Rome.....	36			1,014			1,864			786		
Savannah.....	137	122	82	2,727	3,230	2,249	6,734	6,340	3,750	3,585	3,086	1,942
Waycross.....	21			1,150			1,203			591		
<b>IDaho:</b>												
Boise.....	50			411			1,661			769		

(CITIES OF 10,000 INHABITANTS OR OVER—NUMBER OF ESTABLISHMENTS, AVERAGE NUMBER OF WAGE EARNERS, VALUE OF PRODUCTS, AND VALUE ADDED BY MANUFACTURE: 1909, 1904, AND 1899—Continued.)

[See explanatory note on the first page of this table.]

CITY.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE (VALUE OF PRODUCTS LESS COST OF MATERIALS).		
							Expressed in thousands.					
	1909	1904	1899	1909	1904	1899	1909	1904	1899	1909	1904	1899
<b>ILLINOIS:</b>												
Alton.....	69	62	59	2,429	3,069	2,174	\$10,096	\$8,697	\$4,250	\$2,834	\$3,274	\$1,778
Aurora.....	165	103	97	5,095	4,078	3,949	10,954	7,329	5,638	5,373	3,791	3,046
Belleview.....	19	96	89	1,872	1,765	1,393	4,615	4,357	2,873	2,991	2,570	1,938
Bloomington.....	107	81	68	2,077	2,275	1,671	4,808	5,777	3,012	2,341	2,285	1,417
Caldo.....	56	57	53	1,237	1,435	1,501	4,440	4,382	3,116	1,453	1,544	1,216
Canton.....	33	33	33	1,262	.....	.....	2,942	.....	.....	1,759	.....	.....
Champaign.....	42	39	35	273	285	245	846	858	354	477	.....	.....
Chicago.....	9,656	8,159	7,668	203,977	241,984	221,191	1,281,171	955,036	797,879	487,701	365,122	295,657
Chicago Heights.....	79	.....	.....	3,933	.....	.....	10,839	.....	.....	5,227	.....	.....
Cicero town.....	7	.....	72	1,744	1,884	.....	1,461	.....	1,914	728	.....	.....
Danville.....	76	70	72	1,744	1,884	.....	3,304	.....	1,914	1,689	867	.....
Decatur.....	157	116	108	2,699	2,340	1,920	9,768	8,667	5,134	3,850	3,074	1,775
East St. Louis.....	139	91	58	5,252	4,505	3,106	18,228	10,586	6,241	6,788	4,890	2,563
Elgin.....	115	76	80	6,094	4,855	4,576	11,128	9,349	6,386	6,582	5,259	3,772
Evansville.....	60	33	27	3,837	3,738	4,400	2,551	820	968	3,907	.....	.....
Freeport.....	69	61	51	2,853	1,516	1,333	7,811	3,109	2,708	3,394	1,686	1,394
Galesburg.....	62	58	39	1,465	1,447	1,070	2,919	2,218	1,450	1,503	1,282	830
Jacksonville.....	57	55	35	947	.....	1,066	2,299	1,982	1,684	992	880	834
Joliet.....	137	104	135	6,383	5,792	5,792	38,517	32,897	26,112	11,059	11,638	8,939
Kankakee.....	55	49	36	1,349	1,038	377	2,723	2,089	649	1,230	1,063	360
La Salle.....	29	24	26	1,293	1,197	917	5,308	3,158	3,309	2,380	1,280	912
Lincoln.....	40	39	36	220	236	188	570	784	375	280	409	219
Mattoon.....	35	34	39	948	1,029	632	1,434	1,094	764	765	787	418
Moline.....	86	62	55	5,449	3,987	4,138	20,892	13,158	9,302	9,703	6,263	4,704
Oak Park village.....	23	.....	.....	282	.....	.....	1,118	.....	.....	727	.....	.....
Ottawa.....	54	57	.....	1,127	1,020	.....	.....	2,078	1,738	.....	1,365	987
Peoria.....	288	263	291	5,881	5,496	4,320	63,061	44,569	43,288	45,288	41,585	31,864
Quincy.....	235	234	193	4,032	4,602	3,815	11,436	10,748	7,919	5,644	5,560	3,568
Rock Island.....	74	72	66	1,754	1,703	1,885	5,387	5,333	4,622	2,569	2,753	1,939
Rockford.....	205	180	159	9,309	7,239	5,851	22,266	15,276	11,022	11,684	7,210	4,820
Springfield.....	171	122	106	3,652	3,071	2,199	8,465	5,797	3,467	4,233	3,307	2,055
Streator.....	45	34	42	1,275	1,644	1,283	2,137	1,889	1,245	1,320	1,305	883
Waukegan.....	59	41	32	3,090	825	495	19,984	3,962	733	5,820	1,004	395
<b>INDIANA:</b>												
Anderson.....	116	102	96	4,393	3,079	3,537	13,765	8,181	8,296	5,638	3,321	3,856
East Chicago.....	16	.....	.....	3,070	.....	.....	5,483	.....	.....	2,423	.....	.....
Elkhart.....	69	58	57	2,363	2,070	.....	6,922	4,345	3,933	3,911	2,329	2,051
Elwood.....	32	32	46	2,073	1,779	2,745	8,408	6,411	9,453	2,139	1,714	2,678
Evansville.....	299	268	273	8,997	7,758	6,284	22,929	18,091	12,168	10,135	7,969	5,623
Fort Wayne.....	230	193	178	10,298	7,729	6,519	23,687	14,011	11,263	12,272	6,992	5,231
Hammond.....	49	38	34	3,841	1,648	2,063	15,580	7,671	25,070	8,929	5,126	4,868
Huntington.....	39	39	30	1,376	1,246	1,081	2,742	2,081	1,726	1,623	985	.....
Indianapolis.....	855	810	697	31,815	26,725	20,985	126,522	95,322	42,371	30,465	21,035	.....
Jeffersonville.....	35	33	34	766	1,492	1,516	1,916	4,526	3,772	833	1,699	1,336
Kokomo.....	62	62	62	2,051	1,917	1,355	5,515	3,651	2,062	2,469	2,057	1,052
Lafayette.....	69	60	85	1,640	1,786	1,631	5,545	4,631	3,942	1,628	1,534	.....
Laporte.....	41	.....	.....	1,674	.....	.....	3,972	.....	.....	2,158	.....	.....
Logansport.....	68	61	68	2,169	1,720	1,316	4,201	2,956	2,100	2,219	1,394	1,074
Marion.....	89	96	81	2,269	2,219	2,843	4,442	4,034	4,533	2,118	2,296	2,394
Michigan City.....	48	52	41	2,887	1,140	1,202	8,290	6,314	1,032	1,923	2,384	2,071
Mishawaka.....	48	.....	.....	3,445	.....	.....	10,883	.....	.....	5,613	.....	.....
Muncie.....	102	97	90	4,033	2,855	3,848	9,684	5,891	7,042	4,210	2,571	3,194
New Albany.....	95	93	95	1,910	2,240	2,157	3,493	3,835	3,638	1,667	1,794	1,522
Perrin.....	31	43	39	619	612	1,136	1,097	1,343	1,338	615	718	667
Richmond.....	107	98	88	3,621	2,970	2,688	10,374	6,732	4,754	5,256	3,731	2,523
South Bend.....	218	156	131	11,789	8,997	7,678	27,854	15,180	12,960	12,601	7,010	6,119
Terre Haute.....	170	178	143	4,359	4,044	4,679	21,793	18,098	26,296	13,136	10,361	18,927
Vincennes.....	84	62	48	1,233	1,354	906	4,294	3,029	1,979	1,818	1,288	1,038
<b>IOWA:</b>												
Boone.....	34	34	35	390	367	485	682	714	629	390	415	315
Burlington.....	128	109	125	4,130	2,915	2,054	8,445	5,779	4,450	3,788	3,073	2,048
Cedar Rapids.....	153	134	89	3,565	3,259	2,374	24,824	16,280	11,136	6,174	4,000	2,973
Clinton.....	69	68	81	2,414	2,153	2,502	7,480	4,906	6,203	2,850	2,290	2,293
Council Bluffs.....	101	71	74	1,434	1,001	3,788	3,769	1,924	1,692	1,912	994	808
Davenport.....	232	123	165	4,231	3,840	3,493	18,892	8,872	3,403	2,841	4,881	3,815
Des Moines.....	387	291	218	5,383	4,155	3,479	23,585	15,085	8,397	10,620	6,441	4,259
Dubuque.....	156	156	161	5,168	4,274	4,638	15,376	9,279	9,651	6,266	4,573	4,293
Fort Dodge.....	44	42	30	1,115	961	590	2,975	3,026	1,006	1,163	1,324	327
Iowa City.....	44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Keokuk.....	91	80	88	1,541	1,533	1,362	7,399	4,236	3,049	2,715	1,992	1,458
Marshalltown.....	49	44	44	1,365	888	1,112	4,822	3,090	3,957	1,643	950	1,161
Mason City.....	49	.....	.....	.....	.....	.....	2,883	.....	.....	.....	.....	.....
Muscatine.....	113	107	105	3,496	2,765	2,589	6,166	5,040	5,229	3,428	2,025	1,705
Ottumwa.....	93	62	61	2,650	2,304	1,820	14,838	10,374	8,683	2,672	1,841	1,783
Sioux City.....	156	106	123	3,750	2,299	2,463	37,425	14,761	14,227	7,037	3,365	4,097
Waterloo.....	108	90	55	3,124	1,674	804	8,999	4,694	2,088	4,357	1,945	745
<b>KANSAS:</b>												
Atchison.....	68	60	39	834	798	583	4,465	3,829	2,093	1,268	873	591
Coffeyville.....	47	.....	32	1,020	.....	.....	4,452	.....	.....	1,260	.....	.....
Fort Scott.....	36	46	32	266	244	389	1,010	781	714	340	323	355
Galena.....	67	15	19	.....	130	114	.....	797	421	.....	109	165
Hutchinson.....	67	44	42	667	510	536	3,614	2,631	1,541	941	644	503
Independence.....	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kansas City.....	165	100	114	12,294	10,529	9,483	164,081	96,473	80,023	99,611	12,590	11,148
Lawrence.....	49	39	39	422	402	461	1,653	1,581	1,239	498	341	347
Leavenworth.....	79	89	84	1,311	1,321	1,141	4,875	4,152	3,251	1,677	1,564	1,270
Parsons.....	25	.....	33	1,130	.....	.....	1,136	.....	.....	891	.....	.....
Pittsburg.....	49	34	33	972	919	882	1,817	1,494	1,434	1,093	838	523
Topeka.....	202	154	145	4,244	3,953	2,874	17,821	14,449	8,357	5,562	4,216	3,079
Wichita.....	225	110	103	2,783	1,262	863	22,564	7,390	3,329	5,579	1,963	973

<sup>1</sup> While the population for 1900 was in excess of 10,000, statistics for that census are not available.

<sup>2</sup> Does not include statistics for Gary.

CITIES OF 10,000 INHABITANTS OR OVER—NUMBER OF ESTABLISHMENTS, AVERAGE NUMBER OF WAGE EARNERS, VALUE OF PRODUCTS, AND VALUE ADDED BY MANUFACTURE: 1909, 1904, AND 1899—Continued.

[See explanatory note on the first page of this table.]

Table 113—Continued.

CITY.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE (VALUE OF PRODUCTS LESS COST OF MATERIALS).		
	1909	1904	1899	1909	1904	1899	1909	1904	1899	1909	1904	1899
Expressed in thousands.												
<b>KENTUCKY:</b>												
Covington.....	196	199	204	3,942	3,703	3,212	\$8,712	\$6,100	\$5,479	\$4,241	\$3,490	\$2,962
Frankfort.....	31	30	34	537	525	281	3,083	1,747	1,327	1,115	614	498
Henderson.....	43	34	26	1,088	459	352	2,932	1,365	1,032	1,210	965	411
Lexington.....	85	88	88	2,032	1,114	797	2,851	2,775	1,889	1,602	1,389	1,000
Louisville.....	903	842	800	27,023	24,985	23,062	101,284	83,204	66,110	47,156	37,522	31,234
Newport.....	144	105	134	2,632	1,958	1,955	6,491	5,231	3,548	3,125	2,259	2,075
Owensboro.....	69	60	51	1,064	1,392	800	3,505	3,319	1,740	1,253	1,504	825
Paduach.....	91	84	70	2,613	2,841	2,061	4,967	4,443	2,977	2,619	2,598	1,642
<b>LOUISIANA:</b>												
Alexandria.....	30	—	—	513	—	—	1,279	—	—	681	—	—
Baton Rouge.....	33	37	13	357	620	329	1,383	718	322	785	331	—
Lake Charles.....	33	—	—	736	—	—	2,251	—	—	982	—	—
Monroe.....	23	—	—	681	—	—	1,255	—	—	710	—	—
New Orleans.....	848	690	488	17,186	17,468	16,185	78,794	81,411	57,446	30,062	22,583	17,061
Shreveport.....	61	63	46	1,114	1,162	736	3,643	2,838	1,556	1,554	1,554	635
<b>MAINE:</b>												
Auburn.....	83	72	67	3,452	2,652	2,749	8,843	6,407	5,965	3,053	1,990	1,578
Augusta.....	40	44	52	2,096	1,860	2,018	4,662	3,887	3,113	2,000	2,101	1,444
Bangor.....	122	87	101	1,327	1,496	1,511	3,346	3,408	3,336	1,499	1,671	1,431
Bath.....	—	46	54	—	1,950	2,097	—	3,654	3,697	—	1,672	1,759
Biddeford.....	43	33	39	5,076	4,764	4,375	9,012	6,949	5,472	4,114	2,813	2,306
Lewiston.....	83	81	184	6,788	16,167	6,577	10,475	8,528	7,779	5,200	3,811	4,061
Portland.....	271	243	234	4,902	4,345	3,763	11,950	9,133	7,534	5,941	4,778	3,731
Waterville.....	33	40	29	1,812	2,011	1,926	3,179	3,069	2,284	1,408	1,296	1,238
<b>MARYLAND:</b>												
Baltimore.....	2,502	2,158	2,274	71,444	65,050	66,571	186,978	150,171	135,108	79,954	69,616	59,885
Cumtberland.....	71	72	56	1,936	2,276	1,643	4,534	4,595	2,900	1,858	1,917	1,226
Frederick.....	55	56	54	1,026	1,032	939	2,911	1,938	1,438	836	715	519
Hagerstown.....	76	67	80	1,718	2,210	1,515	3,197	3,027	1,820	1,999	1,576	721
<b>MASSACHUSETTS:</b>												
Adams town.....	31	23	26	3,991	3,894	3,182	6,410	5,492	3,894	3,328	2,804	2,181
Arlington town.....	19	18	12	283	209	122	493	384	256	144	144	144
Attleborough town.....	128	108	108	6,429	5,044	4,811	15,140	10,050	8,751	8,347	5,399	4,955
Beverly.....	62	71	73	4,487	2,083	2,275	8,653	4,101	3,781	5,362	1,778	1,632
Boston.....	3,155	2,747	2,878	69,637	59,160	52,853	237,457	184,351	162,765	112,880	89,748	80,470
Brookline.....	186	201	186	17,728	15,167	16,577	19,219	17,716	5,389	8,267	15,318	9,522
Brookline town.....	16	13	8	340	495	324	532	733	485	336	462	266
Cambridge.....	275	262	243	15,240	14,586	11,070	44,227	42,407	29,092	20,661	17,290	12,519
Chelsea.....	110	130	120	5,954	4,939	2,959	17,003	13,879	9,519	6,434	5,572	4,688
Chilmark.....	48	40	46	7,260	4,639	4,085	19,219	7,716	5,389	8,267	15,318	9,522
Chicopee.....	39	35	22	2,123	3,482	3,836	7,845	5,458	5,043	3,629	2,050	2,328
Clinton town.....	62	51	52	6,080	2,186	1,877	8,747	6,136	4,437	4,241	3,013	1,963
Everett.....	215	202	243	15,240	14,586	11,070	44,227	42,407	29,092	20,661	17,290	12,519
Fall River.....	284	280	240	8,497	6,408	6,218	25,232	15,301	13,008	8,810	5,570	5,528
Fitchburg.....	122	107	115	37,139	26,836	30,646	64,146	43,473	39,103	28,622	17,377	21,033
Framingham town.....	27	36	34	3,069	2,484	2,207	6,917	4,174	3,007	3,306	1,657	1,315
Gardner town.....	52	50	46	3,617	3,168	2,896	6,485	5,019	4,286	3,652	2,449	2,102
Gloucester.....	102	132	137	2,181	1,763	1,367	7,753	6,921	6,293	2,983	2,239	2,061
Greenfield town.....	—	—	—	1,251	—	—	2,801	—	—	1,767	—	—
Haverhill.....	346	320	390	11,689	9,574	9,741	35,377	24,447	23,419	13,691	10,190	8,425
Holyoke.....	187	179	158	16,513	14,685	12,519	40,097	30,731	24,093	17,796	14,152	11,387
Hyde Park town.....	40	40	53	1,320	3,991	2,483	7,336	6,739	4,284	3,985	3,158	1,877
Lawrence.....	102	187	167	30,542	21,910	20,859	79,953	48,057	41,742	34,555	18,921	16,900
Leominster town.....	64	65	70	5,601	4,127	3,412	10,511	7,502	5,397	4,955	3,538	2,628
Lowell.....	320	256	286	32,575	29,303	29,234	67,271	46,879	41,203	27,440	19,968	20,924
Malden.....	431	423	423	27,368	21,540	16,377	71,503	55,003	39,347	30,142	22,387	14,876
Mattapa.....	86	59	53	2,940	2,454	2,416	8,206	11,236	6,002	3,818	7,191	2,518
Marlborough.....	59	46	50	4,265	3,479	2,324	10,382	7,409	4,498	4,007	2,883	1,664
Medford.....	40	37	36	540	484	575	2,045	872	1,132	795	486	592
Melrose.....	19	24	16	1,038	1,571	1,180	2,825	9,451	3,441	1,236	6,536	1,270
Methuen town.....	—	—	—	1,552	—	—	3,476	—	—	1,250	—	—
Milford town.....	53	44	50	1,801	1,782	1,357	4,442	3,390	2,552	2,063	1,614	1,086
New Bedford.....	207	176	171	26,546	17,855	15,283	53,238	29,469	23,397	24,674	13,378	11,614
Newburyport.....	74	68	64	3,215	2,955	2,801	6,631	6,810	5,141	3,150	2,548	2,060
Newton.....	146	127	114	2,407	6,608	6,390	6,759	8,645	11,574	2,886	1,899	1,785
North Adams.....	60	58	68	5,414	5,502	6,312	10,315	8,036	10,741	4,739	4,025	5,094
Northampton.....	71	77	66	3,150	2,963	2,635	6,999	5,756	4,707	3,836	2,714	2,167
Plymouth town.....	74	46	86	4,830	3,953	2,661	15,549	10,237	6,944	5,357	3,489	1,870
Pittsfield.....	74	44	71	3,303	3,198	3,198	5,575	8,645	11,574	2,886	1,899	1,785
Plymouth town.....	32	35	27	2,912	2,300	1,511	11,618	11,116	5,530	3,143	2,548	1,966
Quincy.....	183	161	153	5,402	5,371	2,128	10,505	8,982	3,012	6,661	5,278	2,103
Revere town.....	14	12	17	1,031	125	87	407	355	156	115	106	105
Salem.....	132	143	162	6,383	5,945	5,025	14,206	12,202	10,611	5,626	4,127	3,444
Somerville.....	114	78	85	5,280	3,474	3,528	38,687	22,955	20,065	6,764	3,779	3,127
Southbridge town.....	36	32	32	4,037	3,223	2,087	6,269	4,202	3,512	3,144	1,922	1,730
Springfield.....	346	296	278	11,855	10,523	8,152	31,773	25,800	18,155	17,410	13,480	9,263
Taunton.....	146	127	114	2,407	6,608	6,390	6,759	8,645	11,574	2,886	1,899	1,785
Warefield town.....	33	22	25	2,230	1,804	1,436	4,808	2,647	2,692	1,970	1,903	1,303
Waltham.....	80	60	74	6,037	6,208	4,861	7,814	11,510	5,890	5,370	5,983	4,001
Watertown town.....	25	20	17	4,355	3,322	1,935	11,546	7,525	5,350	5,083	9,996	1,831
Webster town.....	23	16	20	3,409	3,107	2,377	11,266	5,868	4,908	4,075	1,921	1,546
Westfield town.....	91	86	97	3,060	2,634	2,370	7,362	5,818	4,441	4,494	3,567	3,356
Westmouth town.....	41	46	51	1,991	1,841	1,922	6,627	4,922	5,359	2,423	1,924	2,211
Winthrop town.....	7	—	—	—	—	—	42	—	—	17	—	—
Woburn.....	59	52	47	1,655	1,484	1,346	5,468	4,665	4,063	2,947	1,846	1,134
Worcester.....	580	470	465	28,221	22,796	22,593	77,148	52,145	46,793	34,247	25,134	23,323

(CITIES OF 10,000 INHABITANTS OR OVER—NUMBER OF ESTABLISHMENTS, AVERAGE NUMBER OF WAGE EARNERS, VALUE OF PRODUCTS, AND VALUE ADDED BY MANUFACTURE: 1909, 1904, AND 1899—Continued.)

[See explanatory note on the first page of this table.]

Table 113—Continued.

CITY.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE (VALUE OF PRODUCTS LESS COST OF MATERIALS).		
	1909	1904	1899	1909	1904	1899	1909	1904	1899	1909	1904	1899
Expressed in thousands.												
MICHIGAN:												
Adrian.....	80	65	63	1,059	1,502	1,030	\$6,085	\$4,897	\$2,125	\$1,935	\$2,068	\$1,227
Alpena.....	58	57	46	1,432	1,245	1,202	3,964	2,905	2,273	1,663	1,220	997
Ann Arbor.....	63	65	71	573	549	623	1,806	1,386	1,377	856	612	592
Battle Creek.....	105	120	75	4,175	3,389	2,051	20,174	12,298	6,301	13,106	8,314	4,201
Bay City.....	182	175	172	4,997	4,456	4,305	10,294	8,899	9,011	4,647	3,861	3,776
Detroit.....	2,036	1,362	1,259	81,011	48,483	38,373	252,992	128,247	88,306	122,774	61,666	41,559
Escanaba.....	39	34	26	720	949	520	1,074	1,333	610	710	929	360
Flint.....	104	70	65	7,088	2,161	1,960	24,118	6,177	4,713	10,147	2,408	1,959
Grand Rapids.....	524	388	382	17,590	15,314	12,929	42,231	30,690	22,229	22,995	16,208	11,108
Holland.....	59	.....	.....	1,940	.....	.....	4,422	.....	.....	2,038	.....	.....
Ironwood.....	14	13	14	201	87	90	377	202	145	176	124	90
Ishpeming.....	19	15	14	66	73	80	132	247	195	80	105	100
Jackson.....	109	147	117	4,797	3,967	3,715	14,000	8,848	6,710	5,808	4,076	2,902
Kalamazoo.....	193	157	129	6,272	5,666	3,870	17,904	13,142	7,186	8,399	6,246	3,293
Lansing.....	169	98	74	5,285	2,982	1,425	16,567	6,887	2,942	7,765	3,414	1,310
Manistee.....	64	47	56	2,125	2,084	2,108	3,344	3,257	3,625	2,055	1,983	2,249
Marquette.....	41	31	29	498	326	239	1,304	1,585	1,907	1,650	968	1,375
Menominee.....	52	45	38	1,700	1,489	1,708	3,728	2,974	4,076	2,071	1,601	2,239
Muskegon.....	101	70	67	4,522	3,078	3,078	9,648	6,319	4,528	4,710	2,793	2,259
Pontiac.....	42	47	47	1,739	1,296	1,092	5,894	3,047	2,471	2,654	1,312	869
Port Huron.....	74	74	78	1,580	2,136	2,020	3,588	3,627	3,627	1,639	1,908	1,875
Saginaw.....	203	179	184	5,990	4,445	4,205	18,833	10,079	8,653	8,424	4,712	3,569
Sault Ste. Marie.....	47	38	33	1,005	895	317	4,619	2,412	728	1,496	985	449
Traverse City.....	61	46	36	1,220	1,108	909	2,289	2,177	1,201	1,106	1,079	686
MINNESOTA:												
Duluth.....	194	163	126	6,083	3,987	3,658	17,180	10,139	7,811	8,336	5,505	4,152
Mankato.....	63	54	47	807	721	529	3,723	3,422	1,887	995	893	532
Minneapolis.....	1,102	876	789	26,962	21,671	19,620	165,905	121,163	94,408	45,412	32,281	25,498
St. Cloud.....	69	39	30	626	414	507	2,299	1,800	1,561	957	583	484
St. Paul.....	719	614	537	19,339	14,363	13,019	58,990	38,319	30,056	28,690	18,831	14,144
Stillwater.....	38	36	32	1,888	955	829	2,636	2,784	1,801	1,038	1,300	751
Virginia.....	21	.....	.....	.....	.....	.....	519	.....	.....	367	.....	.....
Winona.....	99	86	72	2,032	1,953	1,965	11,199	7,890	6,013	3,869	2,576	2,012
MISSISSIPPI:												
Hattiesburg.....	29	.....	.....	648	.....	.....	1,251	.....	.....	626	.....	.....
Jackson.....	45	.....	.....	799	.....	.....	3,113	.....	.....	1,145	.....	.....
Meridian.....	54	53	42	1,524	1,346	834	4,238	3,267	1,924	1,764	1,215	809
Natchez.....	27	24	16	428	316	648	1,114	820	1,115	425	317	534
Vicksburg.....	47	32	24	1,202	1,031	987	2,128	1,888	1,368	1,681	895	662
MISSOURI:												
Hannibal.....	66	58	66	2,445	1,811	1,238	6,195	3,564	2,699	1,879	1,408	964
Jefferson City.....	35	45	41	1,330	262	299	5,446	3,927	3,061	1,794	1,440	930
Joplin.....	77	56	45	830	680	682	4,136	3,006	2,325	1,778	1,046	709
Kansas City.....	902	612	585	14,643	11,099	9,659	54,704	35,573	23,588	23,742	16,048	11,057
Moheay.....	31	28	32	1,989	1,496	1,669	1,884	801	792	892	492	432
St. Joseph.....	261	219	184	5,390	4,463	5,045	17,426	11,757	11,362	6,573	4,754	4,450
St. Louis.....	2,667	2,482	2,646	87,371	82,698	64,832	328,495	267,307	193,733	140,306	129,567	91,895
Sedalia.....	75	50	57	935	974	909	2,333	1,692	1,283	1,117	867	608
Springfield.....	108	82	79	2,131	2,158	1,710	5,382	5,293	3,434	2,334	1,901	1,443
Webb City.....	25	19	12	170	138	126	777	658	354	264	243	140
MONTANA:												
Anaconda.....	13	.....	.....	97	.....	.....	591	.....	.....	434	.....	.....
Billings.....	37	.....	.....	226	.....	.....	1,243	.....	.....	478	.....	.....
Butte.....	66	54	56	662	478	411	2,464	1,769	1,517	1,544	1,192	739
Helena.....	44	34	27	420	349	264	1,303	1,163	776	810	735	440
Missoula.....	26	.....	.....	428	.....	.....	1,171	.....	.....	769	.....	.....
NEBRASKA:												
Grand Island.....	44	.....	.....	616	.....	.....	1,837	.....	.....	826	.....	.....
Lincoln.....	167	128	81	2,140	1,617	1,104	7,010	5,222	2,764	3,494	2,531	1,168
Omaha.....	432	318	307	8,023	5,822	5,276	60,854	54,004	38,074	17,439	11,511	18,136
South Omaha.....	71	41	41	6,306	5,662	6,327	92,436	67,415	69,599	14,763	8,222	8,491
NEVADA:												
Reno.....	40	.....	.....	310	.....	.....	1,862	.....	.....	691	.....	.....
NEW HAMPSHIRE:												
Berlin.....	20	17	17	1,790	2,282	2,810	5,807	5,989	5,985	2,243	2,324	2,874
Concord.....	111	80	86	2,663	2,654	2,432	6,477	5,374	4,211	2,931	2,543	2,123
Dover.....	51	42	40	3,030	2,859	2,797	6,370	6,043	5,440	3,134	2,173	2,167
Keene.....	64	50	57	1,769	1,685	1,576	3,483	2,691	2,584	1,646	1,314	1,138
Laconia.....	43	38	32	2,146	1,957	1,835	3,967	2,152	1,863	1,377	997	997
Manchester.....	175	153	166	24,735	17,579	17,862	46,812	30,697	24,628	16,315	11,990	10,825
Nashua.....	104	78	72	7,312	6,159	5,777	17,326	12,858	10,096	6,947	4,375	3,970
Portsmouth.....	36	27	38	992	638	1,323	2,871	2,602	3,961	1,510	1,714	2,086
NEW JERSEY:												
Asbury Park.....	27	.....	.....	264	.....	.....	602	.....	.....	128	.....	.....
Atlantic City.....	94	62	36	726	381	305	2,260	975	608	1,024	610	327
Bayonne.....	97	.....	.....	7,519	7,657	4,670	73,401	60,631	38,601	14,709	13,650	4,807
Bloomfield town.....	45	33	39	2,957	1,893	1,612	5,805	4,645	3,371	3,594	2,895	1,665
Bridgeton.....	74	61	62	2,387	2,276	2,182	4,070	2,964	2,259	2,073	1,725	1,216
Camden.....	365	298	322	10,327	12,661	7,742	49,138	33,587	17,970	21,754	13,164	7,528
East Orange.....	42	17	22	1,386	854	690	3,725	2,327	2,087	1,957	1,219	1,176
Elizabeth.....	163	124	141	12,737	12,335	9,498	29,147	29,301	22,861	12,718	12,320	9,948
Garfield borough.....	25	.....	.....	2,530	.....	.....	8,891	.....	.....	2,919	.....	.....
Hackensack town.....	46	23	21	738	812	887	1,978	1,188	782	1,079	801	411
Harrison town.....	54	41	41	6,500	4,040	2,879	13,112	8,086	7,729	4,780	2,885	2,885
Hoboken.....	244	279	194	8,100	7,227	5,712	20,413	14,077	10,484	10,944	7,497	5,457
Irvington town.....	51	.....	.....	540	.....	.....	3,018	.....	.....	675	.....	.....

1 Does not include statistics for Great Falls.



CITIES OF 10,000 INHABITANTS OR OVER—NUMBER OF ESTABLISHMENTS, AVERAGE NUMBER OF WAGE EARNERS, VALUE OF PRODUCTS, AND VALUE ADDED BY MANUFACTURE: 1909, 1904, AND 1899—Continued.

[See explanatory note on the first page of this table.]

Table 113—Continued.

CITY.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE (VALUE OF PRODUCTS LESS COST OF MATERIALS).		
							Expressed in thousands.					
	1909	1904	1899	1909	1904	1899	1909	1904	1899	1909	1904	1899
<b>NEW JERSEY—Continued.</b>												
Jersey City.....	745	628	536	25,454	20,353	17,391	\$128,775	\$75,741	\$72,530	\$39,438	\$26,942	\$22,624
Keany town.....	18	11	16	2,820	1,428	8,399	1,428	1,407	3,041	923	923	923
Long Branch.....	34	26	11	415	294	96	1,117	577	281	533	570	172
Millville.....	39	35	18	2,761	2,767	2,239	4,182	3,719	2,514	2,583	2,335	1,395
Montclair town.....	23	19	23	252	151	169	1,026	621	664	357	202	278
Morristown town.....	26	21	22	307	307	252	724	705	596	355	406	286
New Brunswick.....	93	71	72	5,264	4,580	3,836	10,065	8,917	5,791	5,456	4,759	2,797
Newark.....	1,858	1,600	1,573	59,955	50,697	42,878	202,511	150,035	112,728	87,832	69,366	51,956
Orange.....	85	66	74	4,383	2,430	1,640	9,176	6,151	2,996	5,488	3,569	1,416
Passaic.....	169	95	70	15,086	6,390	41,729	22,785	12,945	9,753	17,304	9,673	5,387
Pater son.....	702	513	487	32,064	28,509	28,542	69,384	54,673	48,362	34,856	27,232	23,447
Perth Amboy.....	80	53	47	5,966	3,950	2,005	73,093	34,800	14,061	9,161	4,484	2,714
Phillipsburg town.....	39	32	34	3,452	3,148	2,216	9,150	6,684	4,385	4,480	3,118	1,782
Plainfield.....	160	49	32	1,758	1,486	1,384	3,649	3,572	2,457	2,119	2,418	1,624
Trenton.....	340	311	246	18,543	14,130	13,138	49,069	32,390	28,458	21,336	14,969	11,877
Union town.....	83	77	57	2,894	1,856	1,376	7,941	5,512	3,403	4,402	2,120	1,965
West Hoboken town.....	137	95	65	2,782	3,562	2,733	5,577	5,947	4,769	3,089	2,825	2,240
West New York town.....	96	.....	.....	1,508	.....	.....	9,274	.....	.....	1,508	.....	.....
West Orange town.....	10	.....	.....	476	.....	.....	748	.....	.....	349	.....	.....
<b>NEW MEXICO:</b>												
Albuquerque.....	31	.....	.....	587	.....	.....	1,288	.....	.....	704	.....	.....
<b>NEW YORK:</b>												
Albany.....	265	490	511	9,861	8,976	8,106	22,896	20,209	17,399	12,365	10,832	9,762
Amsterdam.....	97	89	98	10,284	7,993	6,261	22,449	15,007	10,643	9,234	6,134	4,653
Auburn.....	140	111	120	6,497	6,660	5,885	15,961	13,421	9,575	7,024	5,176	4,363
Batavia village.....	59	51	54	2,007	1,603	1,573	4,401	3,589	2,573	2,020	1,805	1,327
Binghamton.....	266	241	219	8,233	6,636	5,011	17,114	13,907	10,539	8,588	7,486	5,177
Buffalo.....	1,553	1,538	1,478	51,412	43,567	34,275	218,804	147,378	105,927	82,306	59,011	39,688
Coboes.....	103	98	112	8,209	6,910	8,273	14,831	10,200	11,631	6,655	4,006	5,123
Corning.....	45	57	49	2,074	2,355	1,600	3,050	3,084	2,273	2,186	2,009	1,353
Corl and.....	51	53	46	2,356	2,282	1,412	6,395	4,574	3,064	2,821	1,976	1,508
Dunkirk.....	37	28	41	2,736	3,345	2,533	6,576	9,908	5,226	4,308	5,160	2,211
Elmira.....	154	142	144	3,647	3,208	3,570	8,067	6,308	6,597	4,477	3,307	2,695
Fulton.....	45	.....	.....	2,799	.....	.....	7,867	.....	.....	3,010	.....	.....
Geneva.....	56	54	49	1,526	1,550	1,180	5,154	4,952	2,716	2,763	1,836	1,066
Glens Falls.....	68	49	67	2,774	2,052	3,101	4,877	2,825	2,994	2,568	1,535	2,135
Gloversville.....	187	180	183	5,741	5,048	7,813	14,171	9,341	9,670	6,109	4,059	3,816
Hornell.....	45	45	48	2,183	2,200	1,549	3,648	3,163	2,731	1,699	1,470	1,123
Hudson.....	45	48	45	1,302	1,524	1,132	3,506	4,116	2,694	4,141	2,638	1,729
Ilwaco.....	81	67	62	873	873	801	1,920	2,080	1,301	1,080	1,201	845
Jamestown.....	156	149	108	6,789	5,237	4,528	14,729	10,350	7,731	7,336	6,699	3,937
Johnstown.....	138	100	115	2,589	2,426	3,695	6,574	4,543	5,123	2,649	1,982	2,138
Kingsport.....	99	96	109	3,281	2,636	2,042	5,986	4,812	3,552	3,404	2,760	2,049
Little Falls.....	53	49	52	1,211	2,621	2,980	8,460	4,471	4,671	3,357	1,836	1,838
Lockport.....	109	109	124	2,138	2,323	2,359	5,868	5,808	5,353	2,818	2,492	2,256
Middletown.....	59	50	51	1,733	1,596	1,396	4,658	3,356	2,155	1,733	1,400	830
Mount Vernon.....	90	54	37	1,207	670	438	3,376	1,857	919	2,690	1,062	582
Newburgh.....	104	79	93	4,344	4,013	3,074	9,928	7,036	5,558	5,083	3,700	2,710
New Rochelle.....	42	28	25	735	517	198	1,669	1,103	508	855	641	290
New York.....	25,938	20,839	19,243	554,002	464,716	388,596	2,029,693	1,526,523	1,172,507	937,338	708,944	538,460
Niagara Falls.....	156	85	93	6,089	4,574	2,840	28,652	16,916	8,540	14,381	7,724	3,652
North Tonawanda.....	81	38	34	2,824	2,025	1,656	9,660	6,459	6,294	3,211	1,965	2,620
Ogdensburg.....	75	55	74	1,259	929	809	4,948	3,057	2,261	1,440	791	530
Olean.....	34	41	47	2,259	1,175	1,793	10,005	4,677	6,210	2,277	1,380	1,395
Ossining village.....	34	.....	.....	356	.....	.....	1,329	.....	.....	853	.....	.....
Oswego.....	81	77	75	3,817	3,746	3,457	10,413	7,592	7,487	4,310	2,755	3,173
Peekskill village.....	52	46	37	2,055	1,957	1,281	7,888	7,252	1,783	4,945	4,970	1,022
Plattsburg.....	41	39	39	1,049	750	621	3,137	1,057	1,043	1,392	347	519
Port Chester village.....	34	.....	.....	2,122	.....	.....	6,243	.....	.....	1,680	.....	.....
Poughkeepsie.....	111	108	118	3,299	3,775	2,810	9,151	7,307	5,576	5,284	3,674	2,595
Rensselaer.....	33	.....	.....	763	.....	.....	2,266	.....	.....	1,130	.....	.....
Rochester.....	1,203	1,109	1,221	39,108	31,779	28,049	112,676	81,109	59,669	62,062	43,191	31,424
Rome.....	119	89	87	3,623	3,206	2,374	14,633	8,631	5,549	4,219	2,637	2,187
Saratoga Springs village.....	39	35	44	833	590	602	2,357	1,709	1,334	1,045	636	636
Schenectady.....	134	103	83	14,931	14,316	8,494	38,165	33,084	17,605	16,213	16,587	7,680
Syracuse.....	738	637	630	18,148	14,554	11,809	49,435	34,687	26,546	27,659	18,605	13,988
Troy.....	363	311	327	20,080	10,114	22,635	37,980	31,801	28,708	22,354	18,115	17,577
Utica.....	317	343	311	13,153	10,882	8,808	31,199	22,880	16,479	14,535	10,106	8,285
Watertown.....	107	85	91	3,291	3,020	3,223	8,527	7,251	6,888	4,706	3,969	3,180
Watervliet.....	36	36	41	753	1,111	1,000	1,699	1,738	1,507	853	899	774
White Plains village.....	.....	.....	.....	249	.....	.....	.....	.....	.....	.....	.....	.....
Yonkers.....	138	106	107	12,711	9,779	7,555	59,354	35,549	17,301	16,132	10,219	7,762
<b>NORTH CAROLINA:</b>												
Asheville.....	52	45	37	994	792	804	3,250	1,918	1,309	955	671	479
Charlotte.....	108	73	57	4,199	2,234	2,787	10,460	4,850	4,187	3,929	1,981	1,583
Durham.....	61	.....	.....	3,718	.....	.....	23,271	.....	.....	13,461	.....	.....
Greensboro.....	61	63	43	952	1,098	677	2,031	1,744	926	926	766	415
Raleigh.....	55	42	59	1,023	985	549	1,370	1,057	1,007	1,007	865	587
Wilmington.....	64	53	50	1,213	1,594	1,353	3,005	2,594	2,281	1,102	1,189	891
Winston.....	52	47	30	6,708	4,840	2,894	16,778	11,353	4,888	9,882	7,510	3,255
<b>NORTH DAKOTA:</b>												
Fargo.....	61	47	36	510	386	307	2,477	1,161	1,231	1,067	606	448
Grand Forks.....	35	.....	.....	350	.....	.....	1,910	.....	.....	659	.....	.....

1 Does not include statistics for Lackawanna.

CITIES OF 10,000 INHABITANTS OR OVER—NUMBER OF ESTABLISHMENTS, AVERAGE NUMBER OF WAGE EARNERS, VALUE OF PRODUCTS, AND VALUE ADDED BY MANUFACTURE: 1909, 1904, AND 1899—Continued

[See explanatory note on the first page of this table.]

Table 113—Continued.

CITY.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE (VALUE OF PRODUCTS LESS COST OF MATERIALS).		
	1909	1904	1899	1909	1904	1899	1909	1904	1899	1909	1904	1899
Expressed in thousands.												
<b>OHIO:</b>												
Akron.....	246	186	178	15,831	9,626	8,259	\$73,158	\$33,559	\$22,016	\$30,087	\$13,149	\$9,296
Alliance.....	44	40	39	2,524	1,442	1,996	6,135	5,347	5,282	1,646	1,553	1,553
Astabula.....	44	36	29	1,471	846	373	3,459	1,895	884	1,375	899	337
Bellaire.....	36	37	30	2,597	2,183	1,928	10,091	10,712	8,838	2,932	3,396	2,851
Cambridge.....	32	34	28	1,250	814	768	4,291	2,441	2,202	1,406	921	885
Canton.....	204	158	104	9,844	5,908	5,149	28,585	10,571	5,575	13,639	5,997	5,226
Chillicothe.....	57	64	46	1,074	1,553	1,112	4,345	3,147	1,616	1,307	1,219	738
Cincinnati.....	2,184	2,171	2,454	60,192	58,584	54,942	194,516	166,059	141,678	92,584	82,801	70,287
Cleveland.....	2,148	1,616	1,350	84,728	64,041	55,341	271,961	171,924	139,356	117,046	74,346	62,891
Columbus.....	586	459	408	16,428	13,570	12,787	49,432	39,539	34,748	25,828	20,286	16,494
Dayton.....	513	451	425	21,549	17,093	14,408	60,378	39,597	31,015	32,650	21,092	16,685
East Liverpool.....	82	81	75	4,873	5,228	4,171	6,629	6,437	4,749	4,108	4,330	3,286
Elyria.....	58	50	32	2,673	1,144	638	8,065	2,933	1,221	3,570	1,338	481
Findlay.....	74	71	80	1,375	1,343	1,105	3,497	2,925	1,686	1,393	1,346	733
Hamilton.....	125	113	97	6,895	6,107	5,147	18,184	13,811	10,656	8,544	7,427	5,653
Ironton.....	63	57	53	1,920	1,800	1,577	7,118	4,755	5,411	2,124	1,332	2,266
Lancaster.....	42	42	36	1,532	1,695	1,069	4,074	3,548	1,905	1,023	1,347	846
Lima.....	85	77	76	3,607	2,733	1,980	9,754	4,828	6,222	2,573	2,287	2,287
Lorain.....	57	43	26	6,697	3,102	2,233	38,987	14,491	9,481	14,765	4,783	2,996
Mansfield.....	121	109	95	3,204	3,021	2,622	8,173	7,354	6,076	3,817	3,831	3,371
Marietta.....	66	73	77	1,288	1,314	1,511	3,214	2,569	2,398	1,427	1,233	1,298
Marion.....	55	47	40	2,619	1,721	1,121	4,228	2,426	1,426	1,620	1,460	1,460
Massillon.....	56	52	49	1,934	1,995	1,474	4,788	3,707	2,749	2,498	2,125	1,486
Middletown.....	41	47	41	2,576	1,814	1,578	16,517	8,538	5,800	8,567	4,846	3,327
Newark.....	72	78	69	3,913	3,627	2,975	7,831	5,613	2,879	3,869	3,180	1,699
Norwood.....	49	49	49	3,907	3,907	3,907	6,684	6,684	6,684	6,684	6,684	6,684
Piqua.....	82	76	68	2,083	1,955	1,631	4,036	5,552	3,079	2,128	1,942	1,942
Portsmouth.....	75	81	109	4,072	4,153	3,727	7,277	6,645	6,659	3,383	3,125	3,254
Sandusky.....	91	93	81	2,118	2,323	1,453	5,947	4,879	2,834	3,112	2,743	1,627
Springfield.....	157	157	164	7,493	6,298	6,298	19,246	13,382	12,116	10,327	7,620	6,877
Steuensville.....	55	72	54	4,267	4,184	1,773	21,187	12,370	4,547	6,744	4,127	2,141
Tiffin.....	75	87	75	1,632	1,645	1,238	3,254	2,434	1,902	2,002	1,434	1,094
Toledo.....	760	597	445	18,578	15,697	12,747	61,250	44,501	31,976	27,146	19,035	12,575
Warren.....	68	63	57	1,708	1,835	1,832	4,414	3,583	2,924	2,924	2,366	1,042
Youngstown.....	115	113	103	10,488	8,045	8,679	81,271	46,853	33,908	18,679	11,670	10,775
Zanesville.....	109	99	115	3,150	3,098	3,405	9,145	6,347	5,708	3,641	3,056	2,622
<b>OKLAHOMA:</b>												
Chickasha.....	30	.....	.....	364	.....	.....	1,807	.....	.....	582	.....	.....
Enid.....	65	.....	.....	303	.....	.....	2,453	.....	.....	446	.....	.....
Guthrie.....	34	34	33	282	333	241	.....	1,201	649	496	499	312
McAlester.....	29	.....	.....	180	.....	.....	1,479	.....	.....	801	.....	.....
Muskogee.....	64	.....	.....	381	.....	.....	2,273	.....	.....	496	.....	.....
Oklahoma City.....	171	89	36	1,398	720	220	7,808	3,671	845	2,722	1,300	328
Shawnee.....	40	.....	.....	1,014	.....	.....	2,081	.....	.....	918	.....	.....
Tulsa.....	53	.....	.....	462	.....	.....	1,563	.....	.....	689	.....	.....
<b>OREGON:</b>												
Portland.....	649	437	408	12,214	8,171	5,380	46,864	28,651	16,994	20,785	11,627	6,727
Salem.....	62	.....	.....	507	.....	.....	2,208	.....	.....	1,031	.....	.....
<b>PENNSYLVANIA:</b>												
Allentown.....	274	257	216	11,481	8,984	7,355	26,293	16,841	14,990	10,682	6,908	6,013
Altoona.....	44	73	57	8,409	9,540	6,573	16,763	14,350	11,273	7,629	7,102	4,940
Beaver Falls borough.....	44	42	47	2,180	2,232	2,174	6,400	4,908	6,229	3,355	2,666	2,370
Bethlehem borough.....	49	.....	.....	1,583	.....	.....	3,712	.....	.....	1,382	.....	.....
Bradford borough.....	41	38	30	1,040	1,225	815	4,125	4,091	4,091	1,747	1,887	1,526
Bradford.....	82	80	63	1,318	1,790	1,290	5,887	3,192	3,125	2,445	2,599	1,490
Butler borough.....	61	48	41	2,823	2,093	792	11,038	6,832	4,103	3,464	2,172	883
Carbondale.....	34	32	26	1,903	1,475	1,023	2,523	2,316	1,146	1,270	1,293	676
Carlisle borough.....	19	48	39	1,334	1,340	1,121	2,496	1,986	1,708	1,965	857	661
Carnegie borough.....	19	.....	.....	422	.....	.....	2,069	.....	.....	658	.....	.....
Chambersburg borough.....	57	47	44	1,364	843	612	2,456	1,055	815	1,286	516	337
Chester.....	128	131	121	6,980	7,061	6,972	19,373	16,643	14,940	7,797	6,223	3,699
Columbia borough.....	27	44	53	1,873	3,034	2,519	4,807	3,887	4,214	2,130	1,434	1,642
Connellsville borough.....	39	.....	.....	1,635	.....	.....	1,971	.....	.....	1,154	.....	.....
DuBois borough.....	37	34	24	1,015	1,057	817	1,890	2,607	1,768	964	882	615
Dunmore borough.....	18	15	18	1,308	1,133	614	1,831	1,460	1,132	1,181	910	642
Easton.....	139	107	97	5,288	4,739	3,475	10,915	4,578	5,039	3,493	3,579	2,232
Erie.....	391	261	260	9,796	8,415	8,632	24,226	18,639	16,493	12,162	9,212	8,285
Greensburg borough.....	49	.....	.....	310	.....	.....	726	.....	.....	396	.....	.....
Harrisburg.....	199	175	175	9,743	7,965	6,489	22,725	16,571	14,996	8,642	6,244	5,991
Hazleton.....	77	62	45	2,082	1,406	1,227	4,707	2,186	1,999	2,136	1,056	737
Homestead borough.....	26	27	15	171	307	164	659	713	266	337	448	165
Johnstown.....	97	82	66	10,574	6,914	5,600	48,106	28,892	21,365	15,758	9,137	7,457
Lancaster.....	306	300	284	7,467	8,693	7,504	15,979	14,648	12,750	7,138	7,659	6,297
Lebanon.....	109	103	97	5,291	4,739	3,475	10,915	4,578	5,039	3,493	3,579	2,232
McKeesport.....	68	75	67	8,246	8,548	7,213	42,495	23,054	36,058	15,199	10,744	11,223
McKees Rocks borough.....	31	.....	.....	3,591	.....	.....	9,787	.....	.....	4,800	.....	.....
Mahanoy City borough.....	33	29	29	590	238	301	868	431	401	485	288	288
Meadville.....	62	52	46	2,048	1,300	1,209	3,539	2,073	1,669	1,843	1,111	1,111
Mount Carmel borough.....	20	19	9	600	197	109	755	620	303	369	193	133
Nanticoke borough.....	17	12	17	348	229	140	423	358	310	233	188	128
New Castle.....	82	71	71	5,339	5,433	4,529	38,068	28,923	20,016	7,064	7,711	6,870
Norristown borough.....	114	84	71	4,017	2,914	2,414	5,925	4,107	3,925	4,107	3,925	1,948
Oil City.....	34	36	42	1,338	1,557	1,693	4,122	3,082	5,164	1,822	1,748	1,476
Philadelphia.....	8,379	7,087	5,903	231,884	228,899	214,775	746,076	591,388	519,882	316,984	258,036	224,807
Phoenixville borough.....	31	41	32	2,599	2,888	2,249	5,876	5,500	3,322	2,159	2,477	1,475
Pittsburgh.....	1,659	1,561	1,301	67,174	71,018	71,794	213,454	211,259	218,198	94,927	86,679	89,740
Pittston.....	40	40	27	1,092	830	357	1,969	1,475	998	902	747	375

<sup>1</sup> Does not include statistics for Lakewood.

<sup>2</sup> While the population for 1900 was in excess of 10,000, statistics for that census are not available.

CITIES OF 10,000 INHABITANTS OR OVER—NUMBER OF ESTABLISHMENTS, AVERAGE NUMBER OF WAGE EARNERS, VALUE OF PRODUCTS, AND VALUE ADDED BY MANUFACTURE: 1909, 1904, AND 1899—Continued.

[See explanatory note on the first page of this table.]

CITY.	NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE (VALUE OF PRODUCTS LESS COST OF MATERIALS).		
	1909	1904	1899	1909	1904	1899	Expressed in thousands.					
							1909	1904	1899	1909	1904	1899
PENNSYLVANIA—Continued.												
Plymouth borough.....	23	23	24	908	827	756	\$1,179	\$800	\$475	\$413	\$292	
Pottstown borough.....	78	77	65	3,650	3,457	2,681	12,505	8,145	7,357	3,596	2,707	
Pottsville borough.....	91	79	77	2,872	1,994	1,699	9,178	5,806	4,830	3,211	1,781	
Reading.....	482	402	403	24,145	18,053	16,892	51,135	30,491	32,682	21,287	13,782	
Seranton.....	293	258	247	12,851	10,912	11,139	26,385	20,453	24,742	12,063	9,200	
Shamokin borough.....	39	48	46	1,623	897	762	3,544	1,444	1,147	1,415	418	
Sharon borough.....	45	37	35	3,316	1,812	1,827	9,881	5,671	3,765	3,198	1,880	
Shenandoah borough.....	29	30	22	242	170	107	888	595	302	552	414	
South Bethlehem borough.....	49	46	38	7,985	5,754	4,645	26,417	15,275	9,964	10,450	8,014	
Steelton borough.....	18	18	18	4,636	4,762	4,701	15,746	14,054	14,074	4,606	4,098	
Sunbury borough.....	39	32	29	2,069	1,457	968	4,450	2,593	1,868	2,222	891	
Uniontown borough.....	41	.....	.....	335	.....	.....	1,347	.....	.....	968	.....	
Warren borough.....	72	63	43	1,489	1,174	1,050	5,744	4,666	3,681	2,068	1,947	
Washington borough.....	75	.....	.....	2,126	.....	.....	4,837	.....	.....	2,390	.....	
West Chester borough.....	35	35	35	916	849	497	2,146	2,121	859	1,479	1,447	
Wilkes-Barre.....	176	129	138	7,553	5,929	4,749	13,526	11,000	8,617	7,093	5,735	
Wilkesburg borough.....	24	30	16	185	154	100	538	472	246	276	237	
Williamsport.....	159	115	142	5,641	5,296	4,717	13,348	11,367	9,726	6,288	5,351	
York.....	218	228	241	10,492	7,952	6,851	18,622	13,333	10,560	9,756	6,853	
All other cities.....	99	.....	.....	18,283	.....	.....	103,288	.....	.....	25,328	.....	
RHODE ISLAND:												
Central Falls.....	43	33	36	2,475	2,443	2,372	5,471	5,091	4,511	2,690	1,761	
Cranston.....	28	13	13	1,711	687	493	5,625	1,639	1,493	2,738	1,043	
Cumberland town.....	29	19	10	5,359	4,574	1,900	9,827	5,965	1,756	5,269	2,858	
East Providence town.....	26	21	15	2,041	1,381	836	7,146	5,544	5,347	2,086	1,290	
Newport.....	54	46	43	726	849	881	1,379	1,347	1,575	809	791	
Pawtucket.....	217	186	191	15,275	12,054	10,712	37,696	25,847	19,272	16,156	11,735	
Providence.....	1,080	881	929	46,381	39,804	38,368	120,241	91,981	78,667	55,471	42,008	
Warwick town.....	49	37	27	6,471	6,153	5,465	10,589	7,052	6,020	5,195	3,204	
Woonsocket.....	130	103	104	10,703	8,672	7,591	28,218	19,261	14,745	11,456	8,682	
SOUTH CAROLINA:												
Charleston.....	116	108	104	2,874	3,450	3,187	6,351	6,007	5,713	2,722	2,259	
Columbia.....	55	41	41	2,522	2,393	2,091	5,872	4,677	3,134	2,294	2,035	
Greenville.....	41	36	22	1,182	1,204	770	2,142	1,677	967	914	576	
Spartanburg.....	36	35	28	1,773	1,650	1,361	3,276	2,127	1,591	1,191	583	
SOUTH DAKOTA:												
Aberdeen.....	37	.....	.....	295	.....	.....	1,575	.....	.....	564	.....	
Sioux Falls.....	83	61	48	677	465	311	2,889	1,898	884	1,260	832	
TENNESSEE:												
Chattanooga.....	185	177	149	6,410	6,420	4,729	16,036	14,261	10,518	7,602	6,787	
Jackson.....	42	42	33	1,405	1,268	1,018	2,710	2,318	1,577	1,495	1,135	
Knoxville.....	159	138	102	2,773	2,999	4,203	8,149	6,699	6,202	3,048	2,598	
Memphis.....	329	289	223	7,927	7,374	6,626	30,242	20,943	14,233	12,391		
Nashville.....	384	257	237	9,721	8,032	6,726	29,650	21,567	15,301	12,194		
TEXAS:												
Austin.....	108	62	84	754	641	495	2,845	1,569	765	1,218	798	
Beaumont.....	56	40	30	863	732	1,005	4,831	2,610	1,913	1,387	1,098	
Brownsville.....	9	.....	.....	51	.....	.....	121	.....	.....	75	.....	
Cleburne.....	24	.....	.....	825	.....	.....	1,577	.....	.....	718	.....	
Dallas.....	305	247	177	4,882	3,445	2,842	26,959	15,028	9,488	9,993	6,421	
Denison.....	29	25	29	833	725	668	1,314	1,235	840	721	644	
El Paso.....	88	54	38	1,732	1,158	716	3,637	2,378	1,213	2,141	1,247	
Fort Worth.....	147	102	68	2,059	1,423	943	8,661	5,668	3,488	3,395	2,479	
Galveston.....	81	67	100	1,094	761	1,422	6,308	2,997	3,675	2,041	1,398	
Houston.....	249	209	145	5,338	5,056	3,188	23,015	13,564	7,492	8,694	5,947	
Laredo.....	23	18	14	213	515	372	221	454	331	147	258	
Marshall.....	22	.....	.....	977	.....	.....	1,787	.....	.....	984	.....	
Palestine.....	29	17	19	745	544	481	1,313	735	704	691	430	
Paris.....	45	29	27	541	210	263	1,430	855	743	568	327	
San Angelo.....	26	.....	.....	115	.....	.....	318	.....	.....	185	.....	
San Antonio.....	194	141	113	3,105	2,457	2,683	13,435	7,402	5,989	6,483	3,661	
Sherman.....	36	39	31	273	307	314	4,676	2,641	1,461	629	492	
Temple.....	37	.....	.....	366	.....	.....	1,346	.....	.....	512	.....	
Tyler.....	23	21	16	484	368	431	996	629	682	459	318	
Waco.....	92	76	80	1,033	947	1,004	4,769	2,980	2,294	1,804	1,201	
UTAH:												
Ogden.....	68	63	51	1,323	1,013	678	3,713	2,507	1,242	1,648	1,109	
Salt Lake City.....	245	192	154	4,287	2,776	2,154	13,331	7,544	4,279	6,736	4,029	
VERMONT:												
Barrre.....	139	105	146	2,340	2,198	1,875	3,852	3,373	2,761	2,744	2,464	
Burlington.....	82	67	82	2,371	2,376	2,232	6,306	6,066	5,496	3,747	3,553	
Rutland.....	63	51	61	1,336	1,803	1,496	2,680	2,523	1,959	1,473	1,361	
VIRGINIA:*												
Alexandria.....	54	51	57	1,470	1,291	859	4,420	2,187	1,539	1,689	1,195	
Danville.....	52	34	46	3,076	3,018	2,933	5,389	4,775	3,694	2,153	2,009	
Lynchburg.....	82	55	61	4,026	2,534	1,487	10,188	4,965	2,994	3,720	2,092	
Norfolk.....	215	121	140	4,749	2,935	2,638	10,341	5,739	4,092	4,859	2,537	
Petersburg.....	72	72	77	3,887	3,288	3,608	8,896	5,891	5,092	3,137	2,607	
Portsmouth.....	31	28	22	842	551	471	1,528	945	560	752	459	
Richmond.....	389	300	276	14,549	12,444	13,715	47,388	27,745	24,669	23,106	13,982	
Roanoke.....	62	54	38	3,544	3,089	2,431	7,261	5,545	5,398	3,217	2,313	
Staunton.....	41	.....	.....	339	.....	.....	1,223	.....	.....	327	.....	

\* Included in "all other cities" for 1909.

\* Includes: Coatesville, Duquesne, Monessen, North Braddock, Old Forge, South Sharon, and Steelton boroughs, to avoid disclosure of individual operations.

\* Does not include statistics for Newport News.

CITIES OF 10,000 INHABITANTS OR OVER—NUMBER OF ESTABLISHMENTS, AVERAGE NUMBER OF WAGE EARNERS, VALUE OF PRODUCTS, AND VALUE ADDED BY MANUFACTURE: 1909, 1904, AND 1899—Continued.

[See explanatory note on the first page of this table.]

Table 113 - Continued.				NUMBER OF ESTABLISHMENTS.			AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.			VALUE ADDED BY MANUFACTURE (VALUE OF PRODUCTS LESS COST OF MATERIALS).		
CITY.										Expressed in thousands.					
				1909	1904	1899	1909	1904	1899	1909	1904	1899	1909	1904	1899
WASHINGTON:															
Aberdeen.....	43			1,509						\$3,590			\$1,418		
Bellingham.....	96	73	47	1,566	1,314	1,502				4,600	\$3,294	\$2,629	2,178	\$1,643	\$1,076
Everett.....	94			2,375						7,423			3,564		
North Yakima.....	36			602						2,175			1,225		
Seattle.....	751	467	352	11,331	6,399	4,440	50,569	25,406	15,323	21,884	11,648	6,459			
Spokane.....	286	188	84	3,989	2,428	1,060	18,880	8,831	3,756	8,637	4,131	1,723			
Tacoma.....	276	236	174	5,765	4,457	3,552	22,450	14,204	10,391	8,734	6,107	3,960			
Walla Walla.....	48	33	34	588	242	213	2,317	1,486	964	952	557	343			
WEST VIRGINIA:															
Bluefield.....	15			670						1,465			576		
Charleston.....	63	54	48	951	887	686	3,235	2,101	1,262	1,098	1,103	603			
Huntington.....	67	44	29	3,156	2,229	1,717	6,511	4,407	3,642	3,129	1,731	1,144			
Martinsburg.....	39			1,420			2,516			1,239					
Parkersburg.....	75	68	72	1,495	1,444	1,237	5,499	3,778	3,101	1,939	1,290	1,215			
Wheeling.....	176	195	178	7,809	7,127	6,190	27,077	21,797	15,074	11,052	9,308	6,668			
WISCONSIN:															
Appleton.....	97	108	88	2,125	2,486	1,561	6,734	6,673	3,861	2,477	2,647	1,504			
Ashtland.....	38	37	41	1,116	1,361	1,812	2,748	4,210	3,600	1,262	2,018	2,081			
Beloit.....	51	44	43	2,986	2,471	1,845	5,886	4,485	2,800	3,447	2,650	1,462			
Eau Claire.....	75	73	64	2,524	1,985	1,758	5,855	3,602	3,876	2,881	1,803	1,764			
Fond du Lac.....	97	85	74	2,767	2,566	1,520	8,227	5,600	2,861	3,153	2,289	1,226			
Green Bay.....	102	103	79	2,579	2,111	1,427	6,235	4,873	2,769	2,342	2,177	1,346			
Janesville.....	78	73	72	1,451	1,348	1,398	5,156	3,846	3,184	2,279	1,790	1,415			
Kenosha.....	52	45	38	6,449	4,354	3,060	23,182	12,563	7,334	8,409	4,971	2,311			
La Crosse.....	151	150	131	3,329	2,644	2,793	14,103	8,139	7,677	6,306	3,414	3,032			
Madison.....	116	84	69	1,792	1,476	1,365	5,467	3,291	2,689	3,130	1,998	1,551			
Manitowish.....	89	76	62	1,525	1,321	975	5,939	4,428	1,935	1,976	1,488	1,099			
Marquette.....	43	37	45	1,491	1,645	2,485	3,309	3,653	4,411	1,696	2,052	2,697			
Milwaukee.....	1,764	1,527	1,419	59,502	45,366	41,220	298,324	137,995	110,854	87,703	66,892	51,160			
Oshkosh.....	159	134	129	5,778	4,840	4,226	14,739	8,652	8,081	7,658	4,220	3,799			
Racine.....	142	148	135	8,281	6,504	6,138	24,673	16,459	11,676	13,161	9,316	5,750			
Sheboygan.....	109	96	80	5,988	5,903	4,992	11,299	9,751	6,907	5,210	4,198	3,195			
Superior.....	99	72	75	1,847	1,543	1,765	6,574	6,357	6,836	2,302	1,709	1,810			
Wausau.....	67	58	56	2,092	1,945	1,716	6,287	4,645	3,381	2,962	2,096	1,473			
WYOMING:															
Cheyenne.....	22	18	17	853	552	423	1,577	925	722	970	617	433			
All other cities <sup>1</sup> .....	142	54	71	16,331	8,401	6,892	82,537	22,346	15,272	22,218	11,389	6,666			

<sup>1</sup> Includes Gary, Ind., Great Falls, Mont., Lackawanna, N. Y., Lakewood, Ohio, and Newport News, Va., in 1909, and Great Falls, Mont., and Newport News, Va., in 1904 and 1899.

---

# MINES AND QUARRIES



CHAPTER 16.—STATISTICS OF MINES AND QUARRIES FOR INDUSTRIES AND STATES.

---



## CHAPTER 16.

### STATISTICS OF MINES AND QUARRIES FOR INDUSTRIES AND STATES.

**Introduction.**—This chapter contains a summary of the statistics of mining for the United States for the calendar year 1909, as shown by the Thirteenth Census.

The statistics relate both to mines in the narrower sense and to quarries and petroleum and gas wells, but for brevity all these enterprises are often called "mines," using the term in its broad sense.

The principal statistics of mining industries derived from the census inquiry are given in a series of general tables at the end of the chapter. Table 25 gives a comparative summary of the results of the inquiries of 1909 and 1902, comparing for each geographic division and state the expenses of operation and development, the primary power, and the value of products. Table 26 gives a similar comparative summary for each industry. Table 27 gives for the several geographic divisions and for each state the number of operators; the number of mines, quarries, or wells; capital; expenses of operation and development; number of persons engaged in the industry; acreage of land controlled; primary power; and value of products. Table 28 gives similar information for each industry. Table 29 gives information similar to that contained in Table 28 for nonproducing mines, quarries, and wells, in which operations are as yet confined to development work.

The explanatory text deals almost exclusively with the producing mines, quarries, and wells, and gives for all mining industries combined and for a number of the more important industries separately further statistics amplifying the figures given in the general tables, together with averages, percentages, etc., derived from the figures in those tables.

In order to avoid any misapprehension as to the significance of the statistics here published, it seems advisable to offer a few brief explanations of the terms used in the census of mining industries.

**Scope of census.**—The Thirteenth Census covered all classes of mines and quarries that were in operation during any portion of the year 1909, both those which were producing and those whose operations were confined to development work, and petroleum and gas wells that were in operation at the end of that year. Mines, quarries, or wells that were idle during the entire year 1909 were omitted from the canvass. The following operations were likewise omitted from the canvass: Prospecting; the digging or dredging of sand and gravel for the construction of roads and for building operations; the production of mineral waters; and the operation of small bituminous coal banks producing less than 1,000 tons annually. Where the mineral products are not marketed in their

crude condition, but are dressed or washed at the mine or quarry, the statistics of mining cover the entire work of obtaining the crude material and its preparation for the market.

**Period covered.**—The returns cover the calendar year 1909, or the business year which corresponds most nearly to that calendar year. The statistics cover a year's operations, except for enterprises which began or discontinued business during the year.

**Number of operators.**—As a rule, the unit of enumeration was the "operator." Every individual, firm, or corporation was required to furnish one report for all mines, quarries, or wells which were operated under the same management, or for which one set of books of account was kept. Where several mines, quarries, or wells managed separately were owned by the same operator, it was optional with the operator to furnish one report for all his operations, or a separate report for each of his properties. Separate reports were obtained for all properties operated in different states, even where they were owned by the same operator. Likewise, where the operations of one individual, firm, or corporation covered more than one class of mines and quarries, such as coal, iron, limestone, etc., a separate report was received for each industry. The total number of operators, accordingly, as shown by the original returns, included a small amount of duplication. As far as practicable, all duplications of this character within the same industry were eliminated by the consolidation of the reports for the same operator. All such duplications have been eliminated for the coal, petroleum and natural gas, iron, and copper industries.

**Number of mines, quarries, and wells.**—This figure represents the total number of mines and quarries in operation or in the course of development at any time during the calendar year 1909, or the business year that corresponds most nearly to that calendar year, and the number of completed petroleum and natural gas wells in operation on December 31, 1909.

In most mining and quarrying industries the number of mines or quarries varies but little from the number of operators, the principal variations being found in the mining of anthracite coal, iron, and copper, with an average of more than two mines per operator; in the mining of tungsten, with an average of more than five mines per operator; and in the quarrying of gypsum, with an average of nearly three quarries per operator. In the production of petroleum and natural gas there was an average of more than twenty wells to one operator.

**Expenses of operation and development.**—A certain amount of development work is incident to the operation of every mine. The expenses reported for producing mines include the cost both of operation and of development work which was done in connection with operation.

**Wages.**—The amount shown as wages includes only the compensation of regular wage earners hired by the day, week, or month, or under the piecework system. There is a class of miners variously known under the local names of "leasers," "block lessees," etc., who are compensated by a share of the product. The compensation of such miners is included under the payments for "Contract work" in the general tables.

**Supplies and materials.**—This item includes the cost of lumber and timber used for repairs, mine supports, track ties, etc.; iron and steel for blacksmithing; rails, frogs, sleepers, etc., for tracks;

renewals of tools and machinery and materials for repairs; and supplies, explosives, oil, etc., as well as the cost of fuel and the rent of power. The schedule called only for the cost of such supplies and materials as had been used during the year covered by the report. Accurate figures, however, could be furnished only in those cases where the operators kept an account of supplies and materials used, or had an inventory made of all in stock at the beginning and at the end of the year. Such a system of accounting is far from general among mine operators, and there is reason to believe that in many cases the reported cost of supplies and materials covered all purchased during the year rather than those used during the year. The crude product of some operators was purchased by others for further dressing or refining; the cost of such materials is shown in a separate column in the general tables for producing mines, but in all other tables it is included in the general item of cost of supplies and materials.

**Miscellaneous expenses.**—In the general tables royalties and the rent of mines, taxes, and the amounts paid for contract work are shown in separate columns. All other expenses not enumerated separately are combined under the head of "Rent of offices and other sundry expenses," which includes rent of offices and buildings other than those at the mine, quarry, or well, use of patents, insurance, ordinary repairs of buildings and machinery (not including materials therefor where carried in separate accounts), advertising, damages, traveling expenses, and all other sundry expenses.

**Value of products.**—Statistics of the value of each mineral product were obtained by the Bureau of the Census in cooperation with the United States Geological Survey, but the two bureaus follow different methods in presenting these statistics. The Geological Survey shows separately the value of each mineral product, whereas the Bureau of the Census presents the value of products of each mining industry. The value of products given for each mining industry often includes the value of some products not covered by the industry designation. The crude product of metalliferous mines may include varying combinations of metals, such as gold, silver, copper, lead, zinc, and iron. Similarly, the total value of all products of the granite quarries is not identical with the value of the total output of granite, but may include the value of some marble or other stone quarried in connection with the principal product.

The value of products for 1909 in most cases represents the value of the products marketed during that year, not the value of those mined during that year. In this respect the data differ from those usually obtained for manufacturing establishments. In order to ascertain the value of the products mined during the year 1909, account would have had to be taken of the inventories at the beginning and at the close of the year. In many mining industries, however, no such inventories are made, by reason of the purely speculative value of the crude product lying on the dump.

Another element of inaccuracy inherent in the statistics as to the value of products is due to the combination of mining with manufacturing. Most of the product of iron mines is not sold, but is used in blast furnaces operated by the owners of the mines. A large proportion of the output of coal is likewise used in iron and steel works operated by the owners of the coal mines, while a considerable proportion also is controlled by railway companies and other industrial concerns which own the coal mines, either directly, or indirectly through subsidiary companies. In such cases the reported value of

the mining product is often a mere item of bookkeeping which may or may not reflect the actual market value of the product.

The total value of products for some industries includes a certain amount of duplication, due to the fact that the crude product of some operators was used as material by others whose mines or quarries were equipped with dressing or refining plants; the total value of products for the industry, accordingly, includes both the crude product and the refined product made from it. In order to eliminate this duplication and to obtain the approximate value of products for each industry, the cost of such materials, which is shown in a separate column in the general tables for producing mines, should be subtracted from the total value of products for the industry. There is, however, a certain degree of inaccuracy involved in such a computation, because the purchaser of the crude product usually figures freight as a part of the cost of his materials, whereas the value reported by the producer represents the selling value at the mine.

**Cost of production and profits.**—It can be seen from the preceding explanations that the difference between the reported value of products and the total expenses reported does not accurately represent profits. As already stated the product reported usually represents that sold rather than the actual output in producing which the expenses were incurred. Furthermore, the census inquiries did not call for depreciation, which is a particularly important element in mining because of the exhaustion of the mine. Few mining concerns keep a separate account for depreciation. Moreover, the heterogeneous character of the returns regarding capital precludes the computation, from census statistics, of the rate of return on the investment.

**Capital.**—The census schedule required every operator to state the total amount of capital invested in the enterprise on the last day of the business year reported, as shown by his books. There is, however, a great diversity in the methods of bookkeeping in use by different operators. As a result, the statistics for capital lack uniformity. Some of the reported figures apparently represent capital stock at face value; others include large investments in mineral lands which are not at present being actively mined, but are held in reserve; still others may include expenditures for unproductive mining ventures in no way related to the operations carried on during the census year.

**Persons engaged in mining industries.**—The statistics of the number of proprietors and officials, clerks, and wage earners, are based on the returns for December 15, or the nearest representative day. The reported number of wage earners includes overseers and foremen performing work similar to that of the men over whom they have charge; those whose duties are wholly supervisory are classed as superintendents and managers. Because of the very common practice of shutting down mines at frequent intervals, it is impossible to ascertain with any satisfactory degree of accuracy the average number of employees—that is, the number who, if continuously employed, would be required to produce the actual output of the year.

**Primary horsepower.**—This item represents the total primary power generated by the mining enterprises plus the amount of power, principally electric, rented by them from other concerns. It does not cover the horsepower of electric motors operated by current generated by the enterprises themselves, the inclusion of which would evidently result in duplication.



## GENERAL SUMMARY.

**Continental United States and noncontiguous territory: 1909.**—Table 1 gives for 1909 the principal statistics collected by the Bureau of the Census for all mines and quarries and petroleum and gas wells within the area of enumeration. In addition to

continental United States this area included in 1909 Alaska, Hawaii, and Porto Rico. The figures here given include nonproducing as well as producing mines and constitute the most general summary of the results of the investigation.

Table 1	NUMBER OR AMOUNT: 1909				
	Total.	Continental United States.	Alaska.	Hawaii.	Porto Rico.
Number of operators.....	24,355	23,664	673	4	14
Number of mines and quarries.....	27,260	27,240		6	14
Number of petroleum and gas wells.....	166,448	166,448			
Persons engaged in mining industries, Dec. 15, 1909.....	1,175,188	1,166,948	8,025	45	170
Proprietors and firm members, total.....	35,208	33,691	1,501	2	14
Number performing manual labor in connection with mines, quarries, and wells.....	10,740	10,299	441		
Salaried employees.....	46,694	46,475	219		
Wage earners.....	1,093,286	1,086,782	6,305	43	156
Primary horsepower.....	4,722,479	4,699,910	22,347	197	25
Capital.....	\$1,710,356,533	\$3,662,527,064	\$47,749,164	\$45,700	\$34,605
Expenses of operation and development.....	1,087,437,081	1,074,191,429	13,220,200	19,760	5,692
Services.....	662,422,226	655,584,467	6,819,850	14,058	3,851
Salaries.....	56,286,988	55,878,478	408,510		
Wages.....	606,135,238	599,705,989	6,411,340	14,058	3,851
Supplies and materials.....	263,019,615	260,110,898	2,902,956	5,371	390
Royalties and rent of mines.....	65,683,384	64,154,926	1,527,995	206	257
Contract work.....	32,335,580	30,690,458	1,645,063		59
Miscellaneous.....	63,976,276	63,650,680	324,336	125	1,135
Value of products.....	1,255,370,163	1,238,410,322	16,933,427	20,955	5,459

Of the total number of persons engaged in mining industries in the area covered by the preceding table, only a little more than one-half of 1 per cent were in Alaska, while the mining operations in Hawaii and Porto Rico were insignificant.

Owing to the fact that a certain number of mines in continental United States and Alaska were engaged in development work only, during the census year, the figure for value of products in 1909, \$1,255,370,163, relates to a smaller number of enterprises than the figures for persons engaged in the industries, expenses, etc. Of the total, representing the value of the products of all mines in the entire area covered by the canvass, Alaska contributed \$16,933,427, or 1.3 per cent, while Hawaii contributed only \$20,955 and Porto Rico \$5,459. A rough but somewhat convenient measure of the relative importance of mining operations in the areas concerned is found in the per capita production (that is, value of products divided by total population), which was \$13.46 for continental United States, \$263.12 for Alaska, \$0.11 for Hawaii, and less than 1 cent for Porto Rico.

The further discussion of mining operations in this chapter is confined to the data reported for continental United States (referred to simply as the United States).

**Producing and nonproducing mines.**—In some aspects of the statistics of mining industries the distinction between producing and nonproducing mines is

important. So far as it is possible to bring the figures in regard to production into relation with the various factors of operation, particularly the number of employees and the expenses of operation, it is necessary to confine comparisons to the producing mines. Table 2 gives comparative figures for producing and nonproducing mines in the United States.

Table 2	All enterprises.	Producing enterprises.	NONPRODUCING ENTERPRISES.	
			Number or amount.	Per cent of total.
Number of operators.....	23,664	19,915	3,749	15.8
Number of mines and quarries.....	27,240	18,164	9,076	33.3
Number of wells.....	166,448	166,320	128	(1)
Persons engaged in mining industry.....	1,166,948	1,139,332	27,616	2.4
Proprietors and firm members, total.....	33,691	29,922	3,769	11.2
Number performing manual labor.....	9,937	8,861	1,076	10.8
Salaried employees.....	46,475	44,127	2,348	5.1
Wage earners.....	1,086,782	1,065,283	21,499	2.0
Primary horsepower.....	4,699,910	4,698,233	91,657	2.0
Capital.....	\$3,662,527,064	\$3,380,525,841	\$282,001,223	7.7
Expenses of operation and development.....	1,074,191,429	1,042,642,693	31,548,736	2.9
Services.....	655,584,467	640,167,630	15,416,837	2.4
Salaries.....	55,878,478	53,293,551	2,584,927	4.4
Wages.....	599,705,989	586,774,079	12,931,910	2.2
Supplies and materials.....	260,110,898	247,866,304	12,244,594	4.7
Royalties and rent of mines.....	64,154,926	63,973,585	181,341	0.3
Contract work.....	30,690,458	28,887,898	1,802,560	5.9
Miscellaneous.....	63,650,680	61,747,276	1,903,404	3.0
Value of products.....	1,238,410,322	1,238,410,322		

<sup>1</sup> Less than one-tenth of 1 per cent.

Perhaps the most satisfactory index of the relative importance of the two classes of mines shown in the preceding table is the number of wage earners and the amount of primary power, the figures for nonproducing mines representing exactly 2 per cent of the total in each instance. The average number of wage earners per operator for the nonproducing mines is 6 and for the producing mines 53.

Additional details in regard to nonproducing mines are given in Table 29 (p. 564), which presents separate figures for most of the different mining industries. The further discussion in this chapter of the statistics for 1909 will deal primarily with the producing mines,

with only incidental reference to the nonproducing enterprises.

There were in all mining industries in the United States in 1909, as shown by the previous table, 19,915 operators of producing mines, who employed 1,065,283 wage earners and reported products valued at \$1,238,410,322.

**Geographic distribution of producing enterprises.**—The distribution of the mining industries by geographic divisions and states is shown in Table 3, which gives the number of wage earners employed and the value of products for each division and state, with the percentage which such number or value forms of the total.

Table 3

PRODUCING ENTERPRISES: 1909										PRODUCING ENTERPRISES: 1909													
DIVISION AND STATE.	Number of operators.	Number of mines and quarries.	Number of wells.	Wage earners (Dec. 15, or nearest representative day).		Value of products.				DIVISION AND STATE.	Number of operators.	Number of mines and quarries.	Number of wells.	Wage earners (Dec. 15, or nearest representative day).		Value of products.							
				Number.	Per cent of total.	Amount.	Per cent of total.							Number.	Per cent of total.	Amount.	Per cent of total.						
<b>United States.....</b>	<b>19,915</b>	<b>18,164</b>	<b>166,320</b>	<b>1,065,283</b>	<b>100.0</b>	<b>\$1,238,410,322</b>	<b>100.0</b>			<b>W. NORTH CENTRAL—</b>													
<b>GEOGRAPHIC DIVS.:</b>										<b>Continued.</b>													
New England.....	510	580		18,254	1.7	17,327,242	1.4			Nebraska.....	18	20		491	(1) <sup>a</sup>	\$322,517	(1)						
Middle Atlantic.....	6,333	3,903	71,122	402,937	37.8	370,742,262	30.0			Kansas.....	643	582	3,402	16,441	1.5	18,722,634	(1)	1.5					
East North Central.....	4,152	2,662	56,379	213,660	20.1	237,534,179	19.2			<b>SOUTH ATLANTIC 2</b>													
West North Central.....	2,309	2,603	3,450	88,458	8.3	130,252,538	10.5			Delaware.....	9	9		628	(1)	516,213	(1)						
South Atlantic.....	1,358	1,652	15,146	118,006	11.1	105,714,462	8.5			Maryland.....	126	173		7,745	0.7	5,782,045	(1)	0.5					
East South Central.....	830	1,109	1,110	70,856	6.7	49,145,280	3.9			Virginia.....	150	244		16,893	1.6	8,795,646	0.7						
West South Central.....	1,229	452	14,704	28,252	2.6	47,530,937	3.8			West Virginia.....	738	718	15,146	28,404	2.4	76,287,889	6.2						
Mountain.....	1,972	3,728	97	93,072	8.7	205,053,900	16.6			North Carolina.....	118	130		3,825	0.3	1,358,617	0.1						
Pacific.....	1,538	1,610	4,316	31,788	3.0	75,111,522	6.1			South Carolina.....	29	32		2,014	0.2	1,252,792	0.1						
										Georgia.....	92	109		4,014	0.4	2,874,595	0.2						
<b>NEW ENGLAND:</b>										Florida.....	36	96		5,483	0.5	8,846,665	0.7						
Maine.....	97	102		2,471	0.2	2,056,063	0.2			<b>E. SOUTH CENTRAL 2</b>													
New Hampshire.....	45	53		1,520	0.1	1,308,597	0.1			Kentucky.....	437	442	1,109	22,033	2.1	12,100,075	0.9						
Vermont.....	137	182		8,388	0.8	8,221,323	0.7			Tennessee.....	216	365	1	18,028	1.7	12,692,547	1.0						
Massachusetts.....	139	147		3,508	0.3	3,467,888	0.3			Alabama.....	177	302		30,795	2.9	24,550,667	2.0						
Rhode Island.....	21	27		677	0.1	897,606	(1)			<b>W. SOUTH CENTRAL</b>													
Connecticut.....	71	75		1,690	0.2	1,375,765	0.1			Arkansas.....	90	146	62	6,422	0.6	4,603,845	0.3						
<b>MIDDLE ATLANTIC</b>										Louisiana.....	53	2	24	953	0.1	6,547,050	0.5						
New York.....	1,351	752	11,342	11,303	1.1	13,334,975	1.1			Oklahoma.....	864	212	12,113	13,920	1.3	25,657,851	2.1						
New Jersey.....	131	151		6,801	0.6	8,347,501	0.7			Texas.....	236	92	2,279	6,957	0.6	10,742,150	0.9						
Pennsylvania.....	4,851	3,600	59,780	384,833	36.1	349,059,786	28.2			<b>MOUNTAIN:</b>													
<b>E. NORTH CENTRAL</b>										Montana.....	373	543		20,303	1.9	54,991,961	4.4						
Ohio.....	1,876	964	35,067	57,185	5.4	63,767,112	5.1			Idaho.....	174	370		5,562	0.5	8,649,342	0.7						
Indiana.....	1,010	480	10,373	27,559	2.6	21,934,201	1.8			Wyoming.....	66	95	21	8,499	0.8	10,572,188	0.9						
Illinois.....	915	759	10,378	82,436	7.7	76,638,974	6.2			Colorado.....	672	1,575	76	24,769	2.4	45,680,135	3.7						
Michigan.....	83	123	21	40,397	3.8	47,714,479	3.8			New Mexico.....	98	285		5,682	0.5	5,867,744	0.4						
Wisconsin.....	268	286		6,083	0.6	7,459,494	0.6			Utah.....	155	251		15,431	1.3	24,217,651	2.1						
<b>W. NORTH CENTRAL</b>										Nevada.....	188	235		11,004	1.0	22,083,282	1.8						
Minnesota.....	153	250		15,114	1.7	58,004,522	4.7			PACIFIC	266	374		5,572	0.5	23,271,597	1.9						
Iowa.....	375	437		19,010	1.8	13,875,781	1.1			Washington.....	99	170		7,343	0.7	10,537,556	0.9						
Missouri.....	1,021	1,224	39	29,676	2.8	31,667,525	2.5			Oregon.....	116	161		1,087	0.1	1,191,512	0.1						
North Dakota.....	53	53	6	840	0.1	564,812	(1)			California.....	1,329	1,279	4,316	23,358	2.2	63,382,454	5.1						
South Dakota.....	39	43	3	3,804	0.4	6,432,417	0.5																

<sup>1</sup> Less than one-tenth of 1 per cent.

<sup>2</sup> No mineral production in District of Columbia or Mississippi.

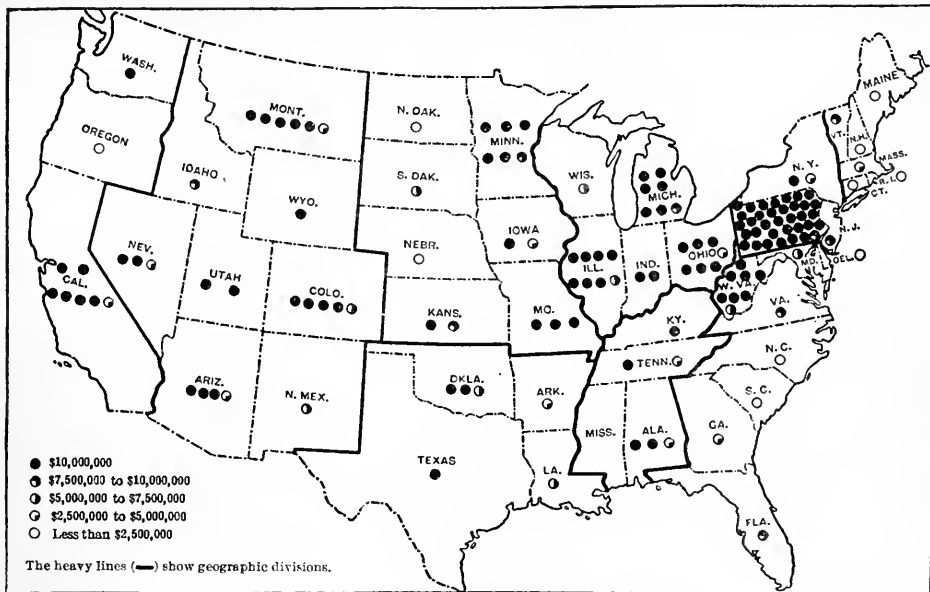
Whether the importance of the mining industry be measured by the value of its products or by the number of wage earners employed, the Middle Atlantic division easily ranks first among the several geographic divisions, the value of its mineral products in 1909 amounting to \$371,000,000, or 30 per cent of the total for the United States. Next in order was the East North Central division, with products valued at \$238,000,000, or about one-fifth of the total. The mineral products of these two divisions consist largely of coal. Other divisions with a considerable mineral production are the Mountain, West North Central, and South Atlantic.

The prominence of the Middle Atlantic division in mineral production is due almost wholly to the state of Pennsylvania, which, with products (mainly coal) valued at nearly \$350,000,000 in 1909, reported more than one-fourth of the value of all mineral products in

the United States. No other state approaches it in importance. Illinois and West Virginia, which rank next in importance, each had products valued at a little more than \$76,000,000, or less than one-fourth the value shown for Pennsylvania. Other states where the value of mineral products exceeded \$50,000,000 are Michigan, Ohio, California, Minnesota, and Montana. The eight states named reported in 1909, 65.4 per cent of the value of all mineral products for the United States.

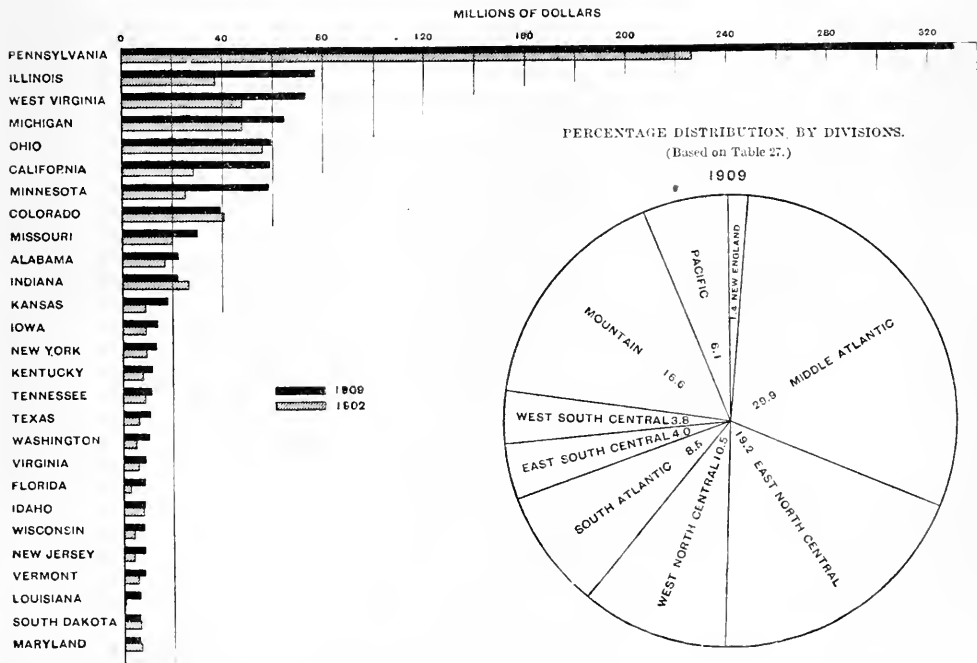
There are several states in which the mineral production is quite insignificant. In the District of Columbia and Mississippi no mineral production was reported. Rhode Island, North Dakota, Nebraska, and Delaware each contributed less than one-tenth of 1 per cent of the whole value of mineral products, while the contribution of Maine, New Hampshire, Massachusetts, Connecticut, North Carolina, South

## VALUE OF PRODUCTS, MINING INDUSTRIES: 1909.



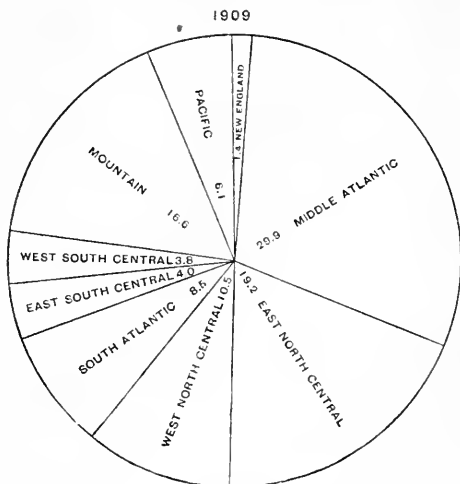
## VALUE OF PRODUCTS, MINING INDUSTRIES, BY STATES: 1902 AND 1909.

(Based on Table 25.)



## PERCENTAGE DISTRIBUTION, BY DIVISIONS.

(Based on Table 27.)



Carolina, Georgia, Arkansas, New Mexico, and Oregon was less than one-half of 1 per cent in each case.

The distribution of the wage earners employed in producing mines among the divisions and states follows approximately the distribution of the total value of products. Where coal is the chief mineral product, however, the number of wage earners is relatively greater than elsewhere. The Middle Atlantic division reported a considerably greater percentage of all wage earners in the producing mines of the country than of the total value of mineral products. In less marked degree the same statement holds true of the East South Central, South Atlantic, East North Central, and New England divisions, while each of the remaining divisions reported a larger percentage of the total value of products than of the total number of wage earners. Pennsylvania employed 36.1 per cent of all the wage earners, Illinois 7.7 per cent, and West Virginia 7.4 per cent, these three leading coal states together reporting more than one-half of all the wage earners employed in mining industries.

**Principal mining industries.**—Table 4 shows the relative importance of the principal mining industries in 1909.

INDUSTRY.	PRODUCING ENTERPRISES: 1909				
	Number of operators.	Wage earners (Dec. 15, or nearest representative day).		Value of products.	
		Number.	Per cent of total.	Amount.	Per cent of total.
<b>All industries.....</b>	<b>19,915</b>	<b>1,065,283</b>	<b>100.0</b>	<b>\$1,238,410,322</b>	<b>100.0</b>
Coal.....	3,695	743,293	69.8	577,142,935	46.6
Anthracite.....	192	153,504	16.3	149,180,471	12.0
Bituminous.....	3,503	589,789	55.5	427,962,464	34.6
Petroleum and natural gas.....	7,793	39,831	3.7	185,416,684	15.0
Metals.....					
Copper.....	161	53,143	5.0	134,616,987	10.9
Iron.....	176	52,230	4.9	106,947,082	8.6
Precious metals.....	2,282	37,815	3.6	94,123,180	7.6
Deep mines.....	1,694	33,616	3.2	83,885,928	6.8
Flaer mines.....	678	4,199	0.4	10,237,252	0.8
Lead and zinc.....	977	21,603	2.0	31,363,094	2.5
Structural materials.....	3,988	92,350	8.7	75,992,908	6.1
Limestone.....	1,665	57,695	5.5	29,832,492	2.4
Granite.....	707	20,561	1.9	18,997,976	1.5
Sandstone.....	595	9,908	0.9	7,702,423	0.6
Marble.....	77	6,313	0.6	6,239,120	0.5
Slate.....	189	9,438	0.9	6,054,174	0.5
Traprock.....	196	6,260	0.6	5,578,317	0.5
Bluestone.....	563	2,175	0.2	1,588,406	0.1
Miscellaneous.....					
Phosphate rock.....	51	8,196	0.8	10,781,192	0.9
Gypsum.....	78	3,778	0.4	5,812,510	0.5
Sulphur.....	4	408	(1)	4,432,066	0.4
Clay.....	261	3,871	0.4	2,945,948	0.2
All other.....	449	8,775	0.8	8,515,436	0.7

<sup>1</sup> Less than one-tenth of 1 per cent.

The foregoing table presents statistics for 9 industries which in 1909 had products exceeding \$10,000,000 in value. These 9 industries employed 95.2 per cent of all the wage earners engaged in producing enterprises and contributed 96 per cent of the total value of the products of mining industries. Statistics are also given in the table for 8 other mining industries having products between \$1,500,000 and \$10,000,000 in value. The 17 industries shown separately in the table employed over 99 per cent of the wage earners

engaged in productive enterprises and contributed more than 99 per cent of the total value of products of mining industries.

Coal mining far outranks any other industry in importance. In 1909 it furnished occupation to more than two-thirds of all the wage earners employed by producing mines, quarries, and wells, and contributed only a little less than one-half of the total value of products reported. Of the total value of coal produced, the anthracite mines furnished approximately one-fourth and the bituminous mines three-fourths. Another fuel industry—the production of petroleum and natural gas—ranks second in importance in value of products, but employs comparatively few wage earners.

Of the metals, copper and iron outrank the precious metals both in the value of the product mined and in the number of wage earners, but lead and zinc fall considerably below the precious metals in both respects.

**General comparison for the United States: 1902–1909.**—Table 5 on the next page gives statistics regarding expenses, value of products, and mechanical power for producing mines, quarries, and petroleum and gas wells in the United States for 1909 and 1902, together with the percentages of increase.

The figures in this table for 1909 vary slightly from those shown in preceding tables by reason of the differences between the present census and that of 1902 in the classification of mining industries. There are many industries on the border line between mining and manufacturing. Certain mechanical and chemical processes required for the preparation of the mineral for the market after its extraction from the ground may be performed either at the mine or at the factory where the mineral is used as material. The practices in this respect vary from industry to industry and from period to period.

At the Thirteenth Census the production of cement was classified as a manufacturing industry. The burning of lime was likewise classified as a manufacturing industry, and where the lime was burned at the limestone quarry the quarrying was regarded as a subordinate part of the manufacturing operations. At the special census of mines and quarries in 1902, however, the cement industry was included, and the burning of lime was treated as a part of the operations of the limestone quarries. In order to make the statistics for the two censuses comparable, the figures given in Table 5 include for 1909 those for the burning of lime, elsewhere treated as a manufacturing industry, and exclude for 1902 those relating to the production of cement.

On the other hand, the special census of 1902 did not include the conversion of coal into coke at the coal mines. In the Thirteenth Census reports the coke industry is treated both in the report on manufactures and in that on mines. Where coal was turned into coke at the mines, estimates were obtained for the coke-manufacturing operations and included in the statistics of manufactures. At the same time, since the

mining of the coal and its conversion at the mines into coke form, in fact, integral parts of one industrial operation, the complete report for both processes is included in the statistics for bituminous coal mines. In order, however, to make the statistics for 1909 comparable with those for 1902, all statistics relating to coke have been eliminated from the table which follows.

By reason of these adjustments the figures here printed do not correspond either to those given in the report for 1902 or to those printed elsewhere for 1909.

**Table 5**

	NUMBER OR AMOUNT.		Per cent of increase.
	1909	1902	
Expenses of operation and development:			
Services.....	\$625,610,068	\$391,225,547	55.9
Supplies and materials.....	208,771,046	114,515,832	82.3
Royalties and rent of mines.....	62,456,769	34,476,227	81.2
Contract work.....	24,091,986	20,638,127	16.7
Value of products.....	1,175,475,001	771,486,926	52.4
Primary horsepower.....	4,556,170	2,663,964	71.0

**VALUE OF PRODUCTS, MINING INDUSTRIES: 1902 AND 1909.**

(Based on Table 26.)

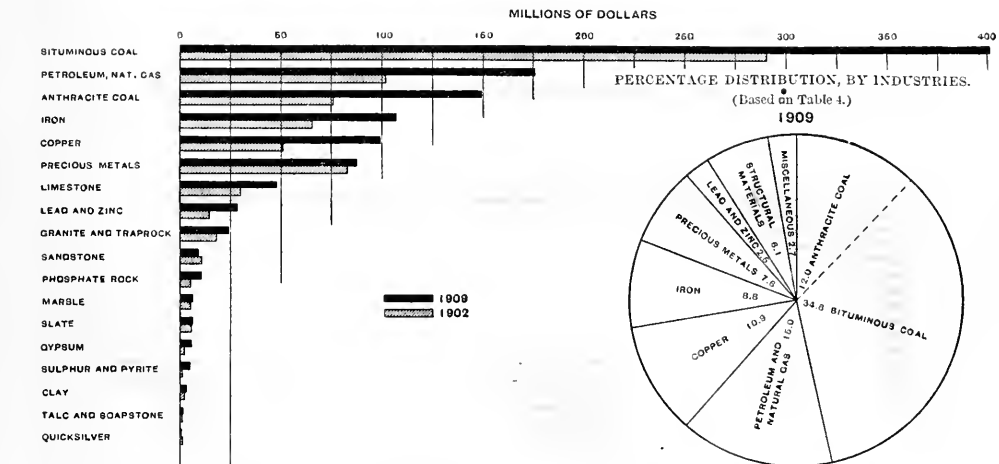


Table 26, page 559, gives comparative statistics in detail for the years 1909 and 1902, by industries. Table 6, which is based on this table, gives for the leading mining industries the value of products in 1909 and 1902, with the percentage of increase.

INDUSTRY	VALUE OF PRODUCTS.		Per cent of increase.
	1909	1902	
<b>All industries.....</b>	<b>\$1,175,475,001</b>	<b>\$771,486,926</b>	<b>52.4</b>
Coal.....	550,513,866	306,642,015	50.2
Anthracite.....	140,180,471	79,175,586	95.8
Bituminous.....	401,333,395	290,468,429	38.2
Petroleum and natural gas.....	175,537,807	102,034,590	72.0
Copper.....	99,493,799	51,178,036	94.4
Iron.....	106,947,082	65,460,985	63.4
Precious metals.....	87,671,553	82,482,052	6.3
Deep mines.....	77,434,301	77,154,326	0.4
Placer mines.....	10,237,252	5,327,726	92.2
Lead and zinc.....	28,568,547	14,600,177	95.7
Limestone.....	47,784,479	30,278,877	57.8
Granite and traprock.....	24,576,293	18,042,943	36.2
Phosphate rock.....	10,781,192	4,922,943	119.0

The item "taxes, rent of offices, and other sundry expenses," which is included with the expenses of operation and development in the tables giving statistics for 1909 only, is not shown in this table for the reason that at the special census of mines and quarries in 1902 the corresponding item of expenses included interest, which was excluded at the Thirteenth Census. In 1902 the item of interest on bonds amounted to more than \$13,000,000. The amount of interest paid on other loans was not reported separately. The aggregate expenses shown in the preceding table represent 96.3 per cent of the total expenses reported for 1902 exclusive of interest on bonds, while the aggregate for 1909 represents 90.6 per cent of the total expenses for that year.

In 1902 the products of mining industries were valued at \$771,486,926, but in 1909 the value was reported as \$1,175,475,001, an increase of 52.4 per cent in the seven years.

This table shows that the greatest relative increase in the seven-year period was in the phosphate rock industry. The smallest relative increase (6.3 per cent) was in the mining of precious metals, the deep mines showing an increase in value of products amounting to only 0.4 per cent, although the less important placer mines show an increase of 92.2 per cent. Large increases are shown for the mining of copper and of lead and zinc. There was also a large increase in the case of anthracite coal, but on account of the coal strike in 1902 the figures for that year do not represent normal conditions. The percentage of increase in the bituminous coal-mining industry falls considerably below the average for all mining industries in the period under consideration. To some extent this is due to a decline in the average price of bituminous coal, for the tonnage produced increased more than 45 per cent.

Table 25, page 557, gives comparative statistics in detail for the years 1909 and 1902, by states. The following table presents certain figures for those states which show a relative increase in the value of products above the average for the United States:

STATE.	VALUE OF PRODUCTS.		Per cent of increase.
	1909	1902	
Louisiana.....	\$6,539,850	\$279,327	2,241.3
Florida.....	8,915,181	2,943,806	202.8
Minnesota.....	58,975,781	25,620,677	130.2
Nebraska.....	322,517	148,391	117.3
New Jersey.....	8,548,858	4,042,047	111.5
Illinois.....	77,214,345	37,377,226	106.6
California.....	59,012,946	28,611,307	106.3
Wisconsin.....	8,375,402	4,257,685	101.4
Washington.....	10,859,503	5,393,659	100.7
Kansas.....	18,386,812	9,520,060	93.0
North Dakota.....	564,812	325,967	73.3
Arkansas.....	4,764,784	2,840,341	67.8
Texas.....	11,096,588	6,737,696	64.7

Corresponding figures for those states in which the value of products showed an actual decrease from 1902 to 1909 are given in Table 8.

**Table 8**

STATE.	VALUE OF PRODUCTS.		Per cent of decrease.
	1909	1902	
Colorado.....	\$39,397,859	\$40,508,286	2.7
Massachusetts.....	4,332,218	4,499,401	3.7
South Dakota.....	6,415,788	6,697,797	4.2
Georgia.....	2,924,741	3,080,287	5.0
Maine.....	3,270,766	3,456,134	10.6
Maryland.....	6,164,122	7,162,113	13.9
Indiana.....	22,324,647	26,896,393	17.0
Oregon.....	1,237,292	2,087,389	40.7

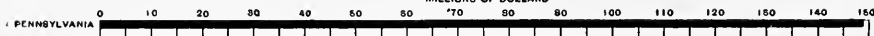
Colorado and Indiana are the only important mining states that show a decrease in mining activity. This decline in Colorado is manifested not only in the value of products, but also in the amount expended for salaries and wages, which decreased 7.2 per cent, and for royalties, which shows a decrease of 4.4 per cent.

**Geographic distribution of the principal industries:**  
**1909.**—Table 9 gives statistics, by leading states, for each of the nine leading mineral industries. A graphic presentation of the same facts is made in the following diagram:

### VALUE OF PRODUCTS, LEADING INDUSTRIES, BY STATES: 1909.

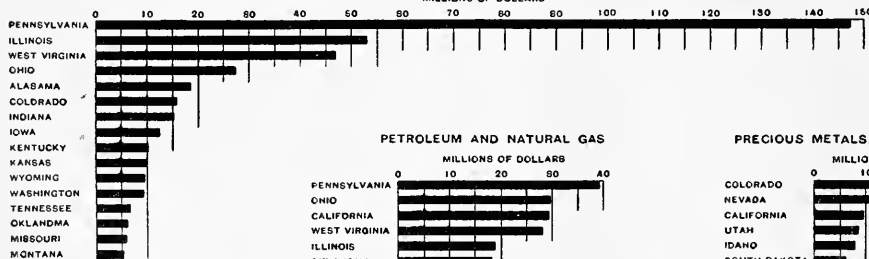
#### COAL, ANTHRACITE

MILLIONS OF DOLLARS



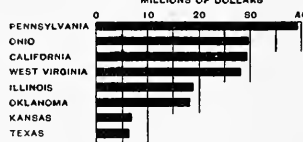
#### COAL, BITUMINOUS

MILLIONS OF DOLLARS



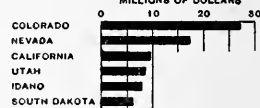
#### PETROLEUM AND NATURAL GAS

MILLIONS OF DOLLARS



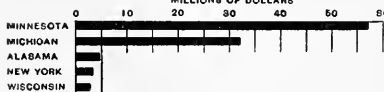
#### PRECIOUS METALS, DEEP MINES

MILLIONS OF DOLLARS



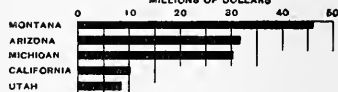
#### IRON

MILLIONS OF DOLLARS



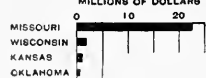
#### COPPER

MILLIONS OF DOLLARS



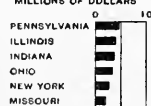
#### LEAD AND ZINC

MILLIONS OF DOLLARS



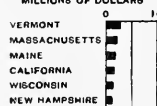
#### LIMESTONE

MILLIONS OF DOLLARS



#### GRANITE

MILLIONS OF DOLLARS



#### PHOSPHATE ROCK

MILLIONS OF DOLLARS

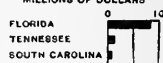


Table 9

INDUSTRY AND STATE.	Number of operators.	WAGE EARNERS (DEC. 15, OR NEAREST REPRESENTATIVE DAY).		VALUE OF PRODUCTS.	
		Number.	Per cent of total.	Amount.	Per cent of total.
<b>Coal, anthracite</b> .....	192	173,504	100.0	\$149,180,471	100.0
Pennsylvania.....	189	173,263	99.9	148,957,894	99.9
<b>Coal, bituminous</b> .....	3,503	589,789	100.0	427,962,464	100.0
Pennsylvania.....	609	184,408	32.4	147,466,417	34.5
Illinois.....	470	74,445	12.6	53,030,545	12.4
West Virginia.....	307	69,666	12.2	46,929,592	11.0
Ohio.....	441	44,405	7.5	27,353,663	6.4
Alabama.....	112	23,479	4.1	18,459,433	4.3
Colorado.....	86	15,461	2.7	15,782,197	3.7
Indiana.....	223	22,357	3.9	15,018,123	3.5
Iowa.....	258	17,623	3.1	12,682,106	3.0
Kentucky.....	240	19,635	3.4	10,003,481	2.3
Kansas.....	118	12,791	2.2	9,835,614	2.3
Wyoming.....	45	7,839	1.4	9,721,134	2.3
Washington.....	32	6,155	1.1	9,226,793	2.2
Tennessee.....	85	11,154	2.0	6,688,454	1.6
Missouri.....	56	8,814	1.5	6,188,087	1.4
Montana.....	173	9,526	1.7	5,881,054	1.4
.....	48	4,612	0.8	5,117,444	1.2
<b>Petroleum and natural gas</b> .....	7,793	39,331	100.0	185,416,684	100.0
Pennsylvania.....	3,030	7,397	18.6	39,197,475	21.1
Ohio.....	1,188	5,897	14.8	29,620,959	16.0
California.....	339	7,007	17.6	29,310,335	15.8
West Virginia.....	442	7,093	17.8	28,308,087	15.2
Illinois.....	423	4,052	10.2	18,895,023	10.2
Oklahoma.....	711	3,066	7.7	18,085,092	9.5
Kansas.....	217	1,302	3.3	6,681,780	3.6
Texas.....	163	1,405	3.5	6,391,313	3.4
<b>Copper</b> .....	161	53,143	100.0	134,616,987	100.0
Montana.....	35	13,697	25.8	45,960,517	34.1
Michigan.....	43	11,394	21.4	31,614,116	23.5
California.....	9	19,022	35.8	30,165,445	22.4
Utah.....	7	2,510	4.7	10,104,373	7.5
.....	22	3,304	6.2	8,432,099	6.3
<b>Iron</b> .....	178	52,230	100.0	106,947,082	100.0
Minnesota.....	20	16,218	31.1	57,076,135	53.4
Michigan.....	24	16,125	30.9	32,168,133	30.1
Alabama.....	25	5,666	10.8	4,309,149	4.0
New York.....	14	2,542	4.9	3,015,445	2.9
Wisconsin.....	6	1,455	2.8	2,972,584	2.8
<b>Precious metals, Deep mines</b> .....	1,804	33,616	100.0	83,885,993	100.0
Colorado.....	439	7,589	22.6	22,147,937	32.4
Nevada.....	218	3,818	11.4	17,807,945	21.2
California.....	395	6,622	19.7	9,690,956	11.6
Utah.....	108	3,905	11.6	8,541,522	10.2
Idaho.....	60	2,077	6.2	3,815,062	4.5
South Dakota.....	13	3,466	10.3	6,120,970	7.3
<b>Precious metals, Placer mines</b> .....	678	4,199	100.0	10,237,252	100.0
California.....	392	3,073	73.2	8,751,032	85.5
<b>Lead and zinc</b> .....	977	21,603	100.0	31,363,094	100.0
Missouri.....	617	16,219	75.5	22,565,528	71.9
Wisconsin.....	88	1,733	8.1	1,515,149	4.8
Kansas.....	159	848	3.9	1,659,540	5.3
Oklahoma.....	47	724	3.4	695,235	2.2
<b>Limestone</b> .....	1,665	37,695	100.0	29,832,492	100.0
Pennsylvania.....	311	7,179	19.0	4,733,819	15.9
Illinois.....	81	3,276	8.7	3,977,359	13.3
Indiana.....	126	3,724	9.9	3,616,696	12.1
Ohio.....	144	3,746	9.9	3,303,149	11.3
New York.....	127	3,104	8.2	2,656,142	8.9
Missouri.....	144	2,437	6.5	2,027,902	6.8
<b>Granite</b> .....	707	20,561	100.0	18,997,976	100.0
Vermont.....	51	2,035	9.9	2,829,522	14.9
Massachusetts.....	82	2,278	11.1	2,185,996	11.5
California.....	85	2,132	10.4	1,761,801	9.3
Illinois.....	62	1,318	6.4	1,515,149	8.0
Wisconsin.....	21	1,448	7.0	1,433,105	7.5
New Hampshire.....	40	1,305	6.3	1,205,811	6.3
<b>Phosphate rock</b> .....	51	8,186	100.0	10,781,192	100.0
Florida.....	26	5,105	62.4	8,488,901	78.7
Tennessee.....	23	1,725	21.1	1,395,942	12.9
South Carolina.....	5	1,307	16.0	862,409	8.0

Statistics are given for each of the states where the industry in question is important either by reason of the absolute value of the product or of its proportion of the total for the industry. In most of the industries here shown the production is so concentrated that the states given represent upward of nine-tenths of the entire production, but in the case of the lead and zinc, limestone, and granite industries, the aggregate value of the products reported by the states named falls short of this fraction.

Of the value of the products of the bituminous coal mines in 1909, Pennsylvania contributed more than one-third, and a group of five states—Pennsylvania, West Virginia, Ohio, Indiana, and Illinois—together reported more than two-thirds of the total. Including those just named, the table shows 16 states, situated in all parts of the Union, which had a product valued at more than \$5,000,000. The anthracite coal production is practically confined to the state of Pennsylvania.

Petroleum and natural gas also show production centers in various parts of the country. Pennsylvania leads, with a little over one-fifth of the total value of products for the industry, but does not report so large a proportion of the total as in the case of coal.

More than one-third of the value of products for the copper industry in 1909 was represented by the product of Montana, while Arizona and Michigan each contributed over one-fifth. More than one-half of the value of products for the iron industry in 1909 was contributed by Minnesota and somewhat less than one-third by Michigan.

In the production of precious metals by placer mining California was the only important state, while nearly one-third of the value of products for deep mines was reported from Colorado and over one-fifth from Nevada. The production of Alaska is not included in the table, which relates exclusively to continental United States. It may, however, be noted that the canvass of mines in Alaska by the Bureau of the Census gave \$12,762,000 as the value of the products of placer mining in that territory. The inquiry of 1909 was the first attempt to secure information concerning placer mining in Alaska by census methods. The wide extent of the field and the difficulties of the inquiry lead to the belief that the product reported is considerably short of the actual product of the Alaska placer mines.

The lead and zinc industry is geographically far more closely concentrated than any thus far considered. In 1909 Missouri reported 71.9 per cent of the total value of products of this industry and employed 75.5 per cent of the wage earners engaged therein. The phosphate rock industry shows a marked concentration in the state of Florida, which reported 78.7 per cent of the total value of products and employed 62.4 per cent of all wage earners in the industry. On the other hand, the production of limestone and granite is widely distributed. In the case of the limestone industry, the six states which had a product exceeding \$2,000,000 in value together reported but little more than two-thirds of the total value of products; and in the case of the granite industry the six states having a product in excess of \$1,000,000 in value reported only 57.5 per cent of the total. In addition the variation in value of products among the states named in the table is much less marked in the case of these industries than in most of the other industries listed.

## PERSONS ENGAGED IN MINING INDUSTRIES.

The number of persons engaged in mining industries, by classes, was ascertained as far as possible for December 15 of the year 1909. In those cases, however, where the mines were not in operation on that date, or the time records for that date were not obtainable, the numbers were ascertained for the nearest representative date. In addition to this information, the number of wage earners, without classification, was ascertained for the 15th day of every month.<sup>1</sup>

The whole number of persons engaged in connection with producing mines, quarries, and wells, as reported on December 15, or the nearest representative day, was 1,139,332, of whom 1,065,283 were wage earners. Since the representative day was taken in some other month than December, in many cases, because the mines were not in operation on December 15, as stated above, this number of wage earners is greater than the number actually engaged at any given time. The greatest number simultaneously employed in all producing mines was 1,022,885, this number being reported for November 15. This does not, however, represent the entire number of persons who gave all or a part of their time to mining in 1909. The busiest months do not coincide for all mining industries nor for all mines within a given industry. Mining, moreover, affords some contrast to manufactures with respect to employment. Whereas in the manufacturing cities there is some opportunity for wage earners to pass from one industry where employment is temporarily slack to another where labor is in greater demand, there is rarely sufficient diversity of mining industries in a given locality to permit such a shifting. Furthermore, even within an industry as widespread as bituminous coal mining, distance would largely prevent the employees of a mine temporarily shut down from seeking employment in other coal mines. The total number of wage earners reported for December 15, or the nearest representative day, namely, 1,065,283, may therefore be accepted as less, if anything, than the total number of wage earners who derived a livelihood from mining during the year 1909.

**Distribution by sex and age.**—Table 10 shows the classification of the persons employed in producing mines on the 15th day of December, or the nearest representative day.

Women were employed only in supervisory and clerical capacities, none being reported as wage earners.

ers in mining operations proper. It will be noted, moreover, that the reported number of boys under 16 years of age, 8,151, is less than 1 per cent of the whole number of wage earners employed.

Table 10

PERSONS ENGAGED IN PRODUCING ENTERPRISES: 1909

CLASS.	Total.		
		Male.	Female.
All classes.....	1,139,332	1,135,828	3,504
Proprietors and officials.....	49,374	47,931	1,443
Proprietors and firm members.....	29,922	28,571	1,351
Salaried officers of corporations.....	5,437	5,377	80
Superintendents and managers.....	13,795	13,783	12
Clerks and other salaried employees.....	24,675	22,314	2,361
Wage earners.....	1,065,283	1,065,283	
16 years of age and over.....	1,057,132	1,057,132	
Under 16 years of age.....	8,151	8,151	

**Distribution by industrial status.**—Table 11 shows for all mining industries and for the nine most important industries separately the distribution of the persons engaged in producing enterprises according to general character of occupation or industrial status, together with the percentage that each class forms of the total.

Table 11

PERSONS ENGAGED IN PRODUCING ENTERPRISES: 1909

INDUSTRY.	Number.				Per cent of total.		
	Total.	Proprietors and officials.	Clerks and other salaried employees.	Wage earners.	Proprietors and officials.	Clerks and other salaried employees.	Wage earners.
All industries.....	1,139,332	49,374	24,675	1,065,283	4.3	2.2	93.5
Coal.....	12,955	14,453	12,955	1,139,332	1.1	1.9	96.4
Anthracite.....	178,004	1,315	3,185	173,504	0.7	1.8	97.5
Bituminous.....	592,677	11,620	11,268	569,789	2.0	1.9	96.1
Petroleum and natural gas.....	62,172	19,333	2,988	39,831	31.1	4.8	64.1
Copper.....	53,258	661	1,454	53,143	1.1	2.7	96.2
Iron.....	55,176	1,109	1,837	52,230	2.1	3.3	94.6
Precious metals.....	43,191	4,508	868	37,815	10.4	2.0	87.6
Lead and zinc.....	24,397	2,525	269	21,603	10.4	1.1	88.5
Limestone.....	41,029	2,645	689	37,695	6.4	1.7	91.9
Granite.....	22,211	1,248	402	20,561	5.6	1.8	92.6
Phosphate rock.....	8,573	214	173	8,186	2.5	2.0	95.5

Of the whole number of persons engaged in producing enterprises, 4.3 per cent were proprietors and officials, 2.2 per cent were clerks and other salaried employees, and 93.5 per cent were wage earners. The proportion of proprietors and officials ranges, among the industries given, from 1.1 per cent in the copper industry to 31.1 per cent in the petroleum and natural gas industry. Large proportions for proprietors and officials occur also in the production of the precious metals and of lead and zinc. In the anthracite branch of the coal industry proprietors and officials formed only 0.7 per cent of all persons engaged in the industry. The range of difference with respect to the proportion of clerks is much less than with respect to the proportion of proprietors and officials.

<sup>1</sup> It must be borne in mind that the business year for which returns were obtained did not in all cases coincide with the calendar year. As a result, the total for the month of December includes a few returns for December, 1908, when the business year ended before Dec. 31, 1909. In such cases it was assumed that the number employed on the 15th day of December, 1909, was approximately equal to the number reported for Dec. 15, 1908. The same applies to the figures for other months, some of which were reported for 1908 and others for 1910. The statistics of the number of wage earners must, therefore, be regarded as approximations; they are sufficiently close, however, for purposes of general comparison.



**Proprietors performing manual labor.**—Table 12 gives, for the principal mining industries, the number of proprietors and firm members compared with the number and percentage who perform manual labor.

INDUSTRY.	PROPRIETORS AND FIRM MEMBERS IN PRODUCING ENTERPRISES: 1909		
	Total.	Performing manual labor.	
		Number.	Per cent.
<b>All industries</b> .....	<b>29,922</b>	<b>8,561</b>	<b>29.6</b>
Coal, bituminous.....	3,739	1,713	45.8
Petroleum and natural gas.....	16,213	2,155	13.3
Precious metals:			
Placer mines.....	951	673	70.8
Deep mines.....	2,091	951	47.3
Lead and zinc.....	1,947	1,171	60.1
Limestone.....	1,634	640	39.2
Granite.....	730	318	43.6

Mine operators of the old type who operate their mines without the assistance of hired help or with little help are still quite numerous, as appears from the fact that out of a total of 29,922 proprietors and

firm members in 1909, 8,561, or nearly three-tenths, were personally performing manual labor in or about their enterprises. The industries in which proprietors of this type were relatively the most numerous include bituminous coal mining, in which 45.8 per cent of the proprietors and firm members were performing manual labor; lead and zinc mining, and placer mining (surface gold washing), in each of which industries a majority of the proprietors were working in their own mines; and deep gold and silver mines, in which nearly one-half of all proprietors belonged to this class. There are also a considerable number of proprietors and firm members performing manual labor in the petroleum and natural gas industry, but as the whole number of proprietors and firm members is very large, they constitute a comparatively small percentage of the total.

**Wage earners by occupation.**—Table 13 gives for all mining industries and for the nine most important industries separately the number of wage earners in producing mines classified by specific occupation and by age group, distinguishing those who work above and those who work below ground.

CLASS OF WAGE EARNERS.	All mining industries.	COAL.			Petroleum and natural gas.	Copper.	Iron.	Precious metals.	Lead and zinc.	Limestone.	Granite.	Phosphate rock.
		Total.	Bituminous.	Anthracite.								
<b>All wage earners (producing enterprises only).....</b>	<b>1,065,283</b>	<b>743,293</b>	<b>569,789</b>	<b>173,504</b>	<b>39,831</b>	<b>53,143</b>	<b>52,236</b>	<b>37,815</b>	<b>21,603</b>	<b>37,695</b>	<b>20,561</b>	<b>8,186</b>
Men 16 years of age and over.....	1,057,132	736,325	566,068	170,257	39,820	53,077	51,741	37,803	21,573	37,572	20,474	8,149
Engineers, firemen, mechanics, etc.....	169,519	42,098	29,826	12,272	27,063	6,860	7,073	5,710	3,745	3,224	1,921	1,019
Miners, miners' helpers, quarrymen, and stonecutters.....	627,513	467,179	384,023	83,156	.....	28,570	24,936	21,855	12,552	25,748	14,290	4,375
All other wage earners.....	326,100	227,048	182,219	74,829	12,757	17,647	19,742	10,238	5,256	8,000	4,263	2,695
Boys under 16 years of age.....	8,151	6,968	3,721	3,247	11	66	489	12	30	123	87	67
Above ground, total.....	366,962	142,843	94,000	48,753	39,831	22,481	24,889	15,333	8,062	37,695	20,561	7,925
Men 16 years of age and over.....	361,928	138,792	93,273	45,519	39,820	22,420	24,569	15,324	8,067	37,572	20,474	7,858
Engineers, firemen, mechanics, etc.....	96,886	34,141	24,389	9,752	27,063	6,268	6,597	5,112	3,384	3,224	1,921	1,049
Miners, miners' helpers, quarrymen, and stonecutters.....	78,880	.....	.....	.....	.....	1,369	4,736	2,670	427	25,748	14,290	4,117
All other wage earners.....	189,962	104,651	68,884	35,767	12,757	14,913	13,296	7,442	4,026	8,000	4,263	2,692
Boys under 16 years of age.....	5,054	4,051	817	3,294	11	61	320	9	25	123	87	67
Below ground, total.....	698,321	600,450	475,699	124,751	.....	30,662	27,341	22,482	13,541	.....	.....	261
Men 16 years of age and over.....	693,204	597,533	472,785	124,758	.....	30,457	27,122	22,479	13,536	.....	.....	261
Engineers, firemen, mechanics, etc.....	9,433	7,957	5,457	2,520	.....	622	476	368	161	.....	.....	.....
Miners and miners' helpers.....	549,133	467,179	384,023	83,156	.....	27,301	20,190	18,985	12,125	.....	.....	.....
All other wage earners.....	136,138	122,397	83,335	39,062	.....	2,734	6,506	2,896	1,250	.....	.....	3
Boys under 16 years of age.....	3,117	2,917	2,904	13	.....	5	169	3	5	.....	.....	.....

This table gives further information in regard to the employment of boys under 16 years of age. Only eight-tenths of 1 per cent of the wage earners in all mining industries were boys under 16 years of age, and of these only three-eighths were employed below ground. The largest number of boys under 16 years of age (3,721) were employed in bituminous coal mining, though 3,247 were employed in the anthracite coal-mining industry, where they formed nearly 2 per cent of the whole number of wage earners—a higher percentage than in any other industry shown in the table. Most of the boys in the anthracite coal industry, however, were employed above ground. In none of the other industries shown in the table did the proportion of boys under 16 years of age reach 1 per cent of the whole number of wage earners.

Miners and miners' helpers, quarrymen, and stonecutters constitute the most numerous class of wage earners, forming, in 1909, 58.9 per cent of the whole number employed in all industries combined. The proportion of miners and miners' helpers reached 67.4 per cent in the bituminous coal industry and 47.9 per cent in anthracite coal mining. It was about the same in the iron mines, but somewhat greater in the other industries employing miners. In the limestone and granite industries quarrymen and stonecutters are naturally the largest numerical group.

The wage earners included under the heading of "Engineers, firemen, mechanics, etc.," constituted 9.7 per cent of all wage earners employed in mining in 1909. The proportion was lowest in the coal industry, where such wage earners formed 5.7 per cent

of the total, and highest in the petroleum and natural gas industry, where they constituted 67.9 per cent. The miscellaneous group "All other wage earners," which is composed mostly of unskilled laborers, comprised 30.6 per cent of all wage earners employed. The proportion in this class was largest in anthracite coal mining (43.1 per cent) and smallest in the granite industry (20.7 per cent).

In all mining industries about one-third of the wage earners (34.4 per cent) were employed above ground and about two-thirds (65.6 per cent) below ground. The two branches of the coal-mining industry have a larger proportion of their wage earners below ground than any other mining industry. In the phosphate rock industry only 3.2 per cent of the wage earners were employed below ground, while three of the industries named in the table—the petroleum and natural gas, limestone, and granite industries—are exclusively surface industries.

**Contract work.**—In addition to the work performed by wage earners regularly engaged in mining and by the proprietors who contribute their own labor to the operation of the mines, a portion of the work incident to mining is done by contract. The number of wage earners employed by contractors can not be ascertained, because the work is temporary and the same men after completing one job are shifted to another place. A special form of contract work common in certain metalliferous mines is the working of mines in return for a share of the product. Under this system a miner "leases" a block in a mine on a royalty basis; the product is delivered by him to the mine owner, who disposes of it, deducts the royalty, and pays the "lessee" his share. In the operation of petroleum and natural gas wells, little labor is required. This condition has called into existence a special class of mechanics who contract with individual operators to take care of their properties, devoting to each property only a part of their time.

The relative importance of work done under contract, as compared with the work performed by regular wage earners, is shown by a comparison of the total amount paid out in wages with the total expenditure for contract work. While the total wages paid in the United States in 1909 amounted to \$586,774,000, the total expenditure for contract work amounted to \$28,888,000, which included \$3,798,000 paid to miners compensated by a share of the product, and \$1,035,000 paid to part-time men for taking care of petroleum and natural gas wells. There were 3,261 operators, or 16.4 per cent of the total number in the United States, whose properties were operated exclusively by contract work, as defined above. This form of operation was more or less general with operators of petroleum and natural gas wells, of whom 3,021, or 38.8 per cent, belonged to this class. Next in point of numbers were 104 operators of deep mines of precious metals, or 6.5 per cent of all operators engaged in

that industry, who employed contract labor exclusively. In all other industries combined this class included only 136 operators, or 1.3 per cent of the total.

**Number of persons employed, by months.**—Table 14 shows the number of wage earners reported for the 15th of each month in producing enterprises in all mining industries combined and in coal mining separately, the latter industry, as already noted, including nearly 70 per cent of all wage earners in producing enterprises.

Table 14

WAGE EARNERS IN PRODUCING ENTERPRISES: 1909

MONTH.	All mining industries.		Coal.		All other mining industries.	
	Number.	Per cent of maximum.	Number.	Per cent of maximum.	Number.	Per cent of maximum.
January.....	940,119	81.9	691,244	94.8	248,875	80.7
February.....	950,418	91.5	686,322	94.1	264,096	81.2
March.....	943,493	92.2	679,791	93.2	263,702	85.5
April.....	928,563	90.8	649,870	89.1	278,693	90.4
May.....	937,002	91.6	646,592	88.7	290,410	94.2
June.....	949,615	92.8	652,894	89.5	296,721	96.2
July.....	961,940	94.0	659,434	90.4	302,506	98.1
August.....	971,263	95.0	667,146	91.5	304,117	98.6
September.....	993,075	97.1	685,234	94.0	307,841	99.8
October.....	1,013,326	99.1	704,939	96.7	308,387	100.0
November.....	1,022,885	100.0	730,341	98.8	302,544	98.1
December.....	1,013,895	99.1	729,273	100.0	284,622	92.3

For all industries combined the largest number of wage earners, 1,022,885, was reported for November and the smallest, 928,563, or 90.8 per cent of the maximum, for April. The figure for April, however, is only slightly below the figures for the three preceding months of the year. From April to November the number increased gradually, but December showed a slight falling off. In coal mining the month of greatest activity was December, and that of least activity was May, when the number employed was equal to 88.7 per cent of the number employed in December. From May to December there was a steady increase in the number of wage earners employed. It should be noted that the figures in this table furnish only a most unsatisfactory indication of the regularity of employment. In the coal-mining industry in particular many mines operate only part of the days each week or each month, and while the number of wage earners on the rolls on the 15th of the month (which is more often reported than the number actually drawing pay) may be substantially the same from month to month, yet the average number of days each miner works during the year may be much less than the possible number of working days. In other words, there is a good deal of unemployment so distributed through the year as not to cause much fluctuation in the monthly returns.

For the principal industries Table 15 shows the month of maximum and of minimum employment, the number reported for each of these months, and the percentage which the minimum represents of the maximum.

Table 15

WAGE EARNERS IN PRODUCING ENTERPRISES: 1909

INDUSTRY.	Maximum.		Minimum.		
	Month.	Number.	Month.	Number.	Per cent of maximum.
<b>All industries.....</b>	<b>Nov.</b>	<b>1,022,655</b>	<b>Apr.</b>	<b>928,563</b>	<b>90.8</b>
Coal.....	Dec.	729,273	May.	646,592	88.7
Anthracite.....	Mar.	173,025	Aug.	165,740	95.8
Bituminous.....	Dec.	560,089	May.	478,455	85.4
Petroleum and natural gas.....	Nov.	39,932	Feb.	33,521	83.9
Copper.....	Oct.	53,148	Dec.	50,151	94.4
Iron.....	Oct.	51,055	Jan.	43,491	85.2
Precious metals.....	July.	33,869	Dec.	30,751	90.8
Lead and zinc.....	Dec.	18,374	Jan.	15,330	83.4
Limestone.....	Sept.	57,209	Jan.	17,908	48.1
Granite.....	Sept.	21,899	Jan.	13,732	62.7
Phosphate rock.....	July.	8,114	Oct.	7,610	93.8

The coal industry is divided in this table into its two constituent branches. Anthracite mining shows greater regularity of employment from month to month than bituminous mining. It will be noted that the months of maximum and minimum employment for the two branches do not correspond. For the remaining industries the month of maximum employment is generally in the fall of the year except in the case of the production of precious metals and of phosphate rock, where it is July. The quarrying industries, limestone and granite quarrying, show a wide divergence between the months of maximum and minimum employment, due to the fact that they are surface industries and much affected by weather conditions. For both industries the smallest number of wage earners was reported for January.

**Prevailing hours of labor.**—In Table 16 producing mines and quarries have been classified according to the prevailing hours of labor per day in each enterprise. Petroleum and natural gas wells are not included in this table, because many of them are operated without hired labor, or by men who give to each enterprise only a part of their time. Neither are those enterprises included in which all labor is performed by contractors. The table shows the percentage of the total number of enterprises falling into each group, and a percentage distribution in which each enterprise has been given a weight according to the total number of wage earners employed on December 15, 1909, or the nearest representative day. It should be clearly borne in mind that these latter percentages do not show precisely the proportion of the total number of wage earners working the specified number of hours per day, since in many cases some of the employees work a greater or less number of hours than those generally prevailing in the enterprise. The table shows that about one-half of the enterprises have adopted the 8-hour day, while the other half are operated on a 9-hour or 10-hour basis. There is considerable variation in this respect among the several mining industries. The prevailing hours are 8 or less per shift in more than nine-tenths of the deep gold and silver mines, more

than five-sixths of the copper mines, about three-fourths of the lead and zinc mines, more than two-thirds of the bituminous coal mines, about three-fifths of the placer mines, and slightly less than one-half of the granite quarries. The 9-hour shift is predominant in anthracite coal mines and the 10-hour day in iron mines, limestone quarries, and the phosphate rock industry. In very few mines do the prevailing hours exceed 10 per shift, the only conspicuous exception being the phosphate rock industry, in which 11 or 12 hours per shift constitute the prevailing hours for over one-fourth of the enterprises.

Table 16

INDUSTRY AND HOURS PER DAY.	ENTERPRISES.		Percent distribution of enterprises weighted according to number of wage earners.
	Number.	Per cent.	
<b>All industries.....</b>	<b>12,192</b>	<b>100.0</b>	<b>100.0</b>
8 hours and under.....	5,876	48.2	44.5
9 hours.....	1,822	14.9	26.9
10 hours.....	4,393	36.1	27.5
11 hours.....	31	0.3	0.3
12 hours.....	70	0.6	0.8
<b>Coal, anthracite.....</b>	<b>353</b>	<b>100.0</b>	<b>100.0</b>
8 hours and under.....	13	3.7	1.7
9 hours.....	289	81.9	97.9
10 hours.....	50	14.1	1.4
12 hours.....	1	0.3	( <sup>1</sup> )
<b>Coal, bituminous.....</b>	<b>4,284</b>	<b>100.0</b>	<b>100.0</b>
8 hours and under.....	2,922	68.2	59.5
9 hours.....	554	12.9	13.9
10 hours.....	804	18.8	25.7
12 hours.....	4	0.1	0.9
<b>Copper.....</b>	<b>200</b>	<b>100.0</b>	<b>100.0</b>
8 hours.....	170	85.0	81.8
9 hours.....	17	8.5	12.5
10 hours.....	12	6.0	5.3
12 hours.....	1	0.5	0.4
<b>Iron.....</b>	<b>283</b>	<b>100.0</b>	<b>100.0</b>
8 hours.....	15	5.1	3.9
9 hours.....	19	6.5	3.9
10 hours.....	254	86.7	90.4
11 hours.....	4	1.4	1.5
12 hours.....	1	0.3	0.3
<b>Precious metals, Deep mines.....</b>	<b>1,302</b>	<b>100.0</b>	<b>100.0</b>
8 hours and under.....	1,192	91.6	95.4
9 hours.....	49	3.8	2.7
10 hours.....	45	3.5	1.7
12 hours.....	16	1.2	0.2
<b>Precious metals, Placer mines.....</b>	<b>485</b>	<b>100.0</b>	<b>100.0</b>
8 hours and under.....	288	59.4	69.5
9 hours.....	46	9.5	12.2
10 hours.....	138	28.5	15.0
11 hours.....	4	0.8	1.0
12 hours.....	9	1.9	1.7
<b>Lead and zinc.....</b>	<b>807</b>	<b>100.0</b>	<b>100.0</b>
8 hours and under.....	597	74.0	82.1
9 hours.....	130	16.1	8.0
10 hours.....	70	8.7	9.6
11 hours.....	1	0.1	0.2
12 hours.....	9	1.1	0.1
<b>Limestone.....</b>	<b>1,544</b>	<b>100.0</b>	<b>100.0</b>
8 hours and under.....	120	7.8	3.4
9 hours.....	187	12.1	6.3
10 hours.....	1,231	79.7	88.8
11 hours.....	4	0.3	0.4
12 hours.....	2	0.1	1.1
<b>Granite.....</b>	<b>682</b>	<b>100.0</b>	<b>100.0</b>
8 hours.....	332	48.0	54.6
9 hours.....	171	24.7	18.5
10 hours.....	188	27.2	26.7
11 hours.....	1	0.1	0.2
<b>Phosphate rock.....</b>	<b>69</b>	<b>100.0</b>	<b>100.0</b>
8 hours.....	1	1.4	( <sup>1</sup> )
10 hours.....	50	72.5	67.5
11 hours.....	8	11.6	11.8
12 hours.....	10	14.5	20.7

<sup>1</sup> Less than one-tenth of 1 per cent.

## LAND TENURE.

In mining, as in agriculture, the land is the source from which wealth is drawn, and the control of land is an important factor in mining operations. The Thirteenth Census was the first at which the inquiry into land tenure was extended to all branches of the

mining industry. Table 17 gives, for all mining industries combined and for the nine most important industries separately, statistics of the land controlled, distinguishing the character of the land and also the form of tenure.

Table 17

ACREAGE OF LAND CONTROLLED BY PRODUCING ENTERPRISES: 1909

INDUSTRY.	All land.				Mineral and oil land.			Timber land.	Other land.
	Total.	Owned.	Held under lease.	Percent owned.	Total.	Owned.	Held under lease.		
All industries .....	24,215,611	19,389,121	14,838,179	38.8	21,414,662	6,920,673	14,504,964	1,138,901	1,662,048
Coal .....	8,182,749	15,952,110	12,242,328	.....	6,847,545	24,732,556	2,125,964	435,216	899,988
Anthracite .....	465,134	1,316,867	1,159,956	68.1	274,359	2,183,144	2,162,190	71,851	118,924
Bituminous .....	7,717,615	5,635,243	2,082,372	73.0	6,573,186	4,549,412	2,023,774	363,365	781,064
Petroleum and natural gas .....	12,694,838	686,268	12,008,570	5.4	12,694,838	686,268	12,008,570	.....	.....
Copper .....	275,598	270,771	4,827	98.2	126,851	122,798	4,053	57,781	90,966
Iron .....	1,513,214	1,064,227	248,987	81.0	387,608	282,661	104,947	456,682	468,924
Precious metals .....	588,363	461,158	127,105	78.4	469,455	397,097	72,358	33,745	85,063
Lead and zinc .....	125,322	102,569	22,753	81.8	103,555	81,418	22,137	10,120	11,647
Limestone .....	128,495	96,084	32,411	74.8	88,152	58,774	29,378	9,176	31,167
Granite .....	51,398	42,960	8,438	83.6	39,548	32,035	7,513	3,266	8,584
Phosphate rock .....	340,697	327,726	12,971	96.2	243,221	230,405	12,816	92,580	4,896

<sup>1</sup> Inclusive of 11,689 acres reported both in acreage owned and acreage held under lease.

<sup>2</sup> Inclusive of 10,975 acres reported both in acreage owned and acreage held under lease.

The total acreage of all land controlled by producing enterprises was 24,216,000 acres. Of course, not all of this area was in actual use, large tracts being held in reserve. The greater part of this land was mineral and oil land, but there were 1,139,000 acres of timber land and 1,662,000 acres of other land. Under these two headings are comprised land which had not been prospected and whose mineral resources were still unknown, as well as some land used for building and other purposes.

In comparing the statistics of land controlled for different industries or different states, it should be noted that the area of land is not necessarily an index of the importance of the holdings, as some land is far more rich in minerals than other land.

Of the total area controlled by operators of mining enterprises in 1909, more than one-half was connected with the petroleum and natural gas industries. Of the remainder, by far the largest part was reported for the coal industry. The holdings of the bituminous mines are far more extensive in comparison with the value of the products of those mines than those of the anthracite mines. The holdings of land by operators of iron mines are also very considerable. Some indication of the amount of reserve land held

in the different industries is afforded by the proportion reported under the description of "Timber land" and "Other land." This proportion is greatest in the iron industry.

Of the total amount of land controlled by mine operators, 38.8 per cent was owned by the operators themselves and the remainder held under lease. The petroleum and natural gas industry, in which most of the land is held under lease, presents a marked contrast to all the other industries shown in the table. Excluding the land controlled in the petroleum and natural gas industry, operators in other mining industries controlled 11,521,000 acres, of which 8,703,000 acres, or 75.5 per cent, were owned by the operators. The two industries showing the widest departure from this proportion are the copper industry, in which the operators owned 98.2 per cent of the land controlled, and the phosphate rock industry, where the proportion of land owned was 96.2 per cent. The proportions owned in the coal industry and its two branches—72.7 per cent for the industry as a whole, 68.1 per cent for the anthracite branch, and 73 per cent for the bituminous branch—fell somewhat below the proportion given above for all mining industries exclusive of the petroleum and natural gas industry.

## FORM OF ORGANIZATION.

Table 18 on the next page has for its purpose the presentation of conditions with respect to the form of organization of producing mining enterprises for all mining industries combined and the nine leading industries separately.

The most important distinction brought out by the table is that between corporate and all other forms of organization. Among 19,915 operators of producing mines, quarries, and wells, 7,041, or 35.4 per cent, were corporations. These incorporated enterprises,

however, employed 90.6 per cent of the wage earners engaged in mining enterprises, and reported 91.4 per cent of the total value of products. Individuals formed 32.1 per cent of the whole number of operators, but they employed only 3.9 per cent of the wage earners and are credited with only 3 per cent of the total value of products. The proportions for firms differ but little from those for individuals, being slightly less in the case of the number of operators and slightly greater in the case of the number of wage earners and the value of products. Moreover, it may be noted that while the average value of products was \$160,832 per operator for corporations, it was only \$9,136 for firms and only \$5,723 for individuals.

Corporations constituted a majority of the operators in the phosphate rock industry (88.2 per cent), the iron industry (73.3 per cent), the copper industry (67.4 per cent), and the coal industry (52.6 per cent). In the copper industry corporations employed 99 per cent of the total number of wage earners. Other industries where a very large percentage of the wage earners were employed by corporations are iron mining (98.1 per cent), the phosphate rock industry (95.8 per cent), and coal mining (93.6 per cent). More than 90 per cent of the total value of products in the mining industry as a whole was credited to corporations. The largest percentages for the individual industries were as follows: The iron industry, 99.6 per cent; the copper industry, 99.1 per cent; the phosphate rock industry, 96.4 per cent; the coal-mining industry, 94.4 per cent; and the precious metal industries, 92.2 per cent. The two quarrying industries—the limestone and granite industries—are the only ones shown in the table in which as much as 25 per cent of the total value of products is credited to other than corporate enterprises.

INDUSTRY AND FORM OF ORGANIZATION.	PRODUCING ENTERPRISES: 1909				PER CENT OF TOTAL.		
	Number of operators.	Number of wage earners.	Value of products.		Number of operators.	Wage earners.	Value of products.
			Total.	Per operator.			
<b>All industries.....</b>	<b>19,915</b>	<b>1,065,283</b>	<b>\$1,236,410,322</b>	<b>\$62,185</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Individual.....	6,387	41,908	36,551,114	5,723	32.1	3.9	3.0
Firm.....	1,262	50,777	57,209,630	9,136	31.4	4.8	4.7
Corporation.....	7,041	965,583	1,132,448,758	160,832	35.4	90.6	91.4
Other.....	225	7,115	12,230,830	54,359	1.1	0.7	0.9
<b>Coal.....</b>	<b>3,695</b>	<b>743,293</b>	<b>\$77,142,935</b>	<b>\$56,193</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Individual.....	1,058	17,475	10,490,068	9,915	28.6	2.4	1.8
Firm.....	664	24,669	17,111,132	25,770	18.0	3.3	3.0
Corporation.....	1,962	695,985	544,885,641	280,585	52.6	93.6	94.6
Other.....	31	5,134	4,656,096	\$30,157	0.8	0.7	0.8
<b>Petroleum and natural gas.....</b>	<b>7,793</b>	<b>39,831</b>	<b>\$65,416,684</b>	<b>23,793</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Individual.....	2,298	2,020	9,062,086	4,204	29.5	5.1	5.2
Firm.....	3,360	3,085	18,954,985	5,641	43.1	7.7	10.2
Corporation.....	1,966	32,636	149,358,498	75,971	25.2	81.9	80.6
Other.....	169	2,090	7,441,115	44,630	2.2	5.3	4.0
<b>Copper.....</b>	<b>161</b>	<b>53,143</b>	<b>\$134,616,987</b>	<b>\$836,130</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Individual.....	26	168	163,968	6,304	16.3	0.3	0.1
Firm.....	26	344	1,408,831	39,955	16.3	0.7	0.8
Corporation.....	109	52,631	133,444,248	1,225,981	67.4	99.0	99.1
<b>Iron.....</b>	<b>176</b>	<b>52,330</b>	<b>\$106,947,082</b>	<b>\$607,654</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Individual.....	23	481	9,241,224	40,192	13.0	1.0	0.2
Firm.....	24	536	201,411	8,392	13.6	1.0	0.2
Corporation.....	129	51,213	106,522,725	\$25,757	73.3	98.1	99.6
<b>Precious metals.....</b>	<b>2,282</b>	<b>37,915</b>	<b>\$44,123,180</b>	<b>\$42,146</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Individual.....	622	2,591	3,228,424	5,190	27.3	6.9	3.4
Firm.....	674	2,783	3,997,463	5,931	29.5	7.4	4.2
Corporation.....	976	32,322	86,756,438	\$8,884	42.8	85.2	92.2
Other.....	10	209	140,835	14,684	0.4	0.5	0.2
<b>Lead and zinc.....</b>	<b>977</b>	<b>21,603</b>	<b>\$13,363,994</b>	<b>\$32,101</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Individual.....	89	779	824,504	9,264	9.1	3.6	2.6
Firm.....	522	2,826	2,601,580	6,899	53.4	13.5	11.5
Corporation.....	366	17,808	26,937,001	73,598	57.5	82.9	85.9
<b>Limestone.....</b>	<b>1,665</b>	<b>37,695</b>	<b>\$29,832,492</b>	<b>\$17,917</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Individual.....	911	7,781	4,181,655	4,590	54.7	20.7	14.0
Firm.....	295	5,178	3,486,343	11,818	17.7	13.7	11.7
Corporation.....	451	24,551	22,061,746	48,917	27.1	65.1	74.0
Other.....	8	185	102,748	12,844	0.5	0.5	0.3
<b>Granite.....</b>	<b>707</b>	<b>20,561</b>	<b>\$18,997,976</b>	<b>\$26,871</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Individual.....	323	3,745	3,029,150	9,378	45.7	18.2	16.0
Firm.....	166	3,225	2,967,938	17,879	23.5	15.7	15.6
Corporation.....	215	15,390	12,925,639	60,107	30.4	65.6	68.0
Other.....	3	101	77,849	25,850	0.4	0.5	0.4
<b>Phosphate rock.....</b>	<b>51</b>	<b>8,186</b>	<b>\$10,781,192</b>	<b>\$211,396</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Individual.....	6	346	389,207	64,868	11.8	4.2	3.6
Corporation.....	45	7,840	10,391,985	230,528	88.2	95.8	96.4

#### SIZE OF ENTERPRISES.

The tendency toward concentration in the mining industries can be measured by a classification of mine operators according to the number of wage earners employed or according to the value of the products per operator.

**Classification according to number of wage earners.**—Table 19, on the next page, gives, for all mineral industries combined and for the most important individual industries, a classification of producing enterprises according to the number of wage earners employed, and shows for each class the number of operators and the number of wage earners. It does not include those mines and quarries which were worked on contract or for a share of the product, nor does it include the petroleum and gas wells which were cared for by part-time employees.

It is worthy of note that the most numerous type of mine operator is the small producer, about three-fifths of all operators employing only from 1 to 20 men each,

while more than one-tenth of all operators employed no wage earners at all. On the other hand, more than one-half of the total number of mine workers were employed by operators employing more than 500 men each, although such operators constituted only 1.7 per cent of the total number of operators. The degree of concentration varies in different industries. In anthracite coal mining over five-sixths of all wage earners were employed by the 18 largest operators, each of whom employed 1,000 or more men. Copper mining follows next, three-fourths of the wage earners in this industry being employed by the 12 largest operators, with a force of over 1,000 men each. Iron mining holds the third place, with 9 operators of this class employing more than one-half of the wage earners. There is also a large degree of concentration in bituminous coal mining, where 77 operators of this class, constituting 2.2 per cent of the total number, employed nearly one-half of the wage earners.

In the production of petroleum and natural gas the degree of concentration is not as high as in the mining of coal, iron, and copper; the 8 largest operators, however, employed over two-fifths of the wage

earners. On the other hand, in precious metal mining, lead and zinc mining, and stone quarrying, small-scale production is still the predominant type.

Table 19

INDUSTRY AND NUMBER OF WAGE EARNERS <sup>1</sup> PER OPERATOR.	PRODUCING ENTERPRISES: 1909			
	Operators.		Wage earners. <sup>1</sup>	
	Number.	Per cent distribution.	Number.	Per cent distribution.
<b>All industries</b> .....	<b>16,657</b>	<b>100.0</b>	<b>1,065,283</b>	<b>100.0</b>
No wage earners.....	4	2.3	.....	.....
1 to 5.....	2,187	13.1	14,788	1.4
6 to 20.....	6,292	37.8	43,083	4.0
21 to 50.....	3,837	23.0	64,327	6.0
51 to 100.....	1,973	11.8	71,045	6.7
101 to 500.....	983	5.9	242,999	22.8
501 to 1,000.....	1,105	6.6	110,191	10.3
Over 1,000.....	155	0.9	518,850	48.7
<b>Anthracite coal</b> .....	<b>192</b>	<b>100.0</b>	<b>173,504</b>	<b>100.0</b>
No wage earners.....	7	3.6	.....	.....
1 to 5.....	39	20.3	102	0.1
6 to 20.....	28	14.6	317	0.2
21 to 50.....	19	9.9	612	0.3
51 to 100.....	19	9.9	1,459	0.8
101 to 500.....	44	22.9	7,082	7.9
501 to 1,000.....	18	9.4	11,857	6.8
Over 1,000.....	18	9.4	147,075	84.8
<b>Bituminous coal</b> .....	<b>3,476</b>	<b>100.0</b>	<b>569,789</b>	<b>100.0</b>
No wage earners.....	23	0.7	.....	.....
1 to 5.....	690	17.3	2,162	0.4
6 to 20.....	939	27.0	10,183	1.8
21 to 50.....	573	16.5	18,988	3.3
51 to 100.....	466	13.4	37,820	5.9
101 to 500.....	693	19.9	156,523	27.5
501 to 1,000.....	103	3.0	73,517	12.9
Over 1,000.....	77	2.2	274,596	48.2
<b>Petroleum and natural gas</b> .....	<b>4,772</b>	<b>100.0</b>	<b>39,831</b>	<b>100.0</b>
No wage earners.....	1,324	27.7	.....	.....
1 to 5.....	2,749	57.6	4,875	12.2
6 to 20.....	519	10.9	5,313	13.3
21 to 50.....	104	2.2	3,144	7.9
51 to 100.....	40	0.8	2,823	7.1
101 to 500.....	28	0.6	5,687	14.3
Over 500.....	8	0.2	17,989	45.2
<b>Copper</b> .....	<b>158</b>	<b>100.0</b>	<b>53,143</b>	<b>100.0</b>
No wage earners.....	8	5.1	.....	.....
1 to 5.....	48	30.4	144	0.3
6 to 20.....	30	19.0	360	0.7
21 to 50.....	17	10.8	579	1.1
51 to 100.....	16	10.1	1,248	2.3
101 to 500.....	19	12.0	4,998	9.4
501 to 1,000.....	8	5.1	5,508	10.4
Over 1,000.....	12	7.6	40,306	75.8

INDUSTRY AND NUMBER OF WAGE EARNERS <sup>1</sup> PER OPERATOR.	PRODUCING ENTERPRISES: 1909			
	Operators.		Wage earners. <sup>1</sup>	
	Number.	Per cent distribution.	Number.	Per cent distribution.
<b>Iron</b> .....	<b>173</b>	<b>100.0</b>	<b>52,230</b>	<b>100.0</b>
No wage earners.....	4	2.3	.....	.....
1 to 5.....	12	6.9	39	0.1
6 to 20.....	30	17.4	374	0.7
21 to 50.....	36	20.8	1,227	2.4
51 to 100.....	24	13.9	7,742	14.9
101 to 500.....	49	28.3	11,399	21.8
501 to 1,000.....	9	5.2	7,132	13.7
Over 1,000.....	9	5.2	30,817	58.0
<b>Precious metals</b> .....	<b>2,169</b>	<b>100.0</b>	<b>37,315</b>	<b>100.0</b>
No wage earners.....	378	17.4	.....	.....
1 to 5.....	912	42.1	2,330	6.2
6 to 20.....	527	24.3	5,802	15.3
21 to 50.....	203	9.4	6,648	17.6
Over 50.....	148	6.8	23,035	60.9
<b>Lead and zinc</b> .....	<b>950</b>	<b>100.0</b>	<b>21,603</b>	<b>100.0</b>
No wage earners.....	133	14.0	.....	.....
1 to 5.....	293	30.9	814	3.8
6 to 20.....	289	30.4	3,500	16.2
21 to 50.....	184	19.4	5,910	27.4
51 to 100.....	39	4.1	2,691	12.4
101 to 500.....	5	0.5	825	3.8
501 to 1,000.....	4	0.4	3,346	15.5
Over 1,000.....	3	0.3	4,517	20.9
<b>Limestone</b> .....	<b>1,642</b>	<b>100.0</b>	<b>37,695</b>	<b>100.0</b>
No wage earners.....	96	5.9	.....	.....
1 to 5.....	565	34.4	1,433	3.8
6 to 20.....	526	32.0	6,168	16.4
21 to 50.....	282	17.2	9,201	24.4
51 to 100.....	104	6.3	7,432	19.7
Over 100.....	69	4.2	15,441	35.7
<b>Granite</b> .....	<b>704</b>	<b>100.0</b>	<b>20,561</b>	<b>100.0</b>
No wage earners.....	10	1.4	.....	.....
1 to 5.....	196	28.0	628	3.1
6 to 20.....	265	37.6	3,069	14.9
21 to 50.....	132	18.8	4,367	21.3
51 to 100.....	53	7.5	3,830	18.6
Over 100.....	45	6.4	9,537	42.1
<b>Phosphate rock</b> .....	<b>51</b>	<b>100.0</b>	<b>8,188</b>	<b>100.0</b>
1 to 5 wage earners.....	2	3.9	17	0.2
6 to 20.....	11	21.6	179	2.2
21 to 50.....	11	21.6	463	5.7
51 to 100.....	6	11.8	1,024	12.5
Over 100.....	21	41.2	6,503	79.4

<sup>1</sup> Based on number reported for Dec. 15, 1909, or nearest representative day.

A marked distinction with respect to the degree of concentration exists between regular producing mines, quarries, and wells, on the one hand, and nonproducing properties on the other. The latter includes for the most part enterprises which are still in the development stage, as well as others which have had a product in the past but whose present operations are confined to the maintenance of the property, or to development work with a view to resuming production.

About two-thirds of all the wage earners engaged in nonproducing mining properties were employed by operators employing not exceeding 20 wage earners each. The largest enterprises in this class were represented by 12 operators employing from 101 to 500 wage earners each. On the other hand, more than one-half of all wage earners engaged in producing mines were employed by operators with a working force of 500 men or over.

Table 20 shows the distribution of operators according to the number of wage earners for producing and nonproducing properties separately.

WAGE EARNERS <sup>1</sup> PER OPERATOR.	PRODUCING ENTERPRISES.				NONPRODUCING ENTERPRISES.			
	Operators.		Wage earners. <sup>1</sup>		Operators.		Wage earners. <sup>1</sup>	
	Number.	Per cent distribution.	Number.	Per cent distribution.	Number.	Per cent distribution.	Number.	Per cent distribution.
<b>Total</b> .....	<b>16,657</b>	<b>100.0</b>	<b>1,065,283</b>	<b>100.0</b>	<b>3,395</b>	<b>100.0</b>	<b>21,499</b>	<b>100.0</b>
No wage earners.....	4	2.3	.....	.....	196	5.8	.....	.....
1 to 5.....	6,292	37.8	14,788	1.4	2,253	66.4	6,207	28.9
6 to 20.....	3,837	23.0	43,083	4.0	779	23.0	7,659	35.6
21 to 50.....	1,973	11.8	64,327	6.0	107	3.7	7,531	35.3
51 to 100.....	983	5.9	71,045	6.7	28	0.8	1,961	9.1
101 to 500.....	1,105	6.6	242,999	22.8	12	0.3	1,921	8.9
501 to 1,000.....	155	0.9	110,191	10.3	.....	.....	.....	.....
Over 1,000.....	125	0.8	518,850	48.7	.....	.....	.....	.....

<sup>1</sup> Based on number reported for Dec. 15, 1909, or nearest representative day.

Classification according to value of products.—Table 21 gives, for all mining industries and for the most important industries separately, a classifica-

tion of the operators according to value of products per operator, and shows, for each class, the number of operators and the total value of products.

Table 21

Table 21	PRODUCING ENTERPRISES: 1909				PRODUCING ENTERPRISES: 1909				
	Operators.		Value of products.		Operators.		Value of products.		
	Number.	Percent distribution.	Amount.	Percent distribution.	Number.	Percent distribution.	Amount.	Percent distribution.	
INDUSTRY AND VALUE OF PRODUCTS PER OPERATOR.					INDUSTRY AND VALUE OF PRODUCTS PER OPERATOR.				
All Industries.	19,915	100.0	\$1,238,410,322	100.0	Iron.	176	100.0	106,947,082	100.0
Less than \$5,000.	11,384	57.2	18,518,939	1.5	Less than \$5,000.	42	23.9	54,063	0.1
\$5,000 to \$20,000.	4,276	21.5	43,997,158	3.6	\$5,000 to \$20,000.	34	19.3	363,050	0.3
\$20,000 to \$100,000.	2,840	14.3	128,369,227	10.4	\$20,000 to \$100,000.	47	26.7	2,416,815	2.3
\$100,000 to \$1,000,000.	1,291	6.5	333,247,982	27.1	\$100,000 to \$1,000,000.	38	21.6	14,023,823	13.1
\$1,000,000 and over.	164	0.8	712,277,016	57.5	\$1,000,000 and over.	15	8.5	90,089,331	84.2
Coal.	3,695	100.0	577,142,935	100.0	Precious metals.	2,282	100.0	\$4,123,180	100.0
Less than \$5,000.	1,175	31.8	2,921,829	0.6	Less than \$5,000.	1,571	68.8	1,775,238	1.9
\$5,000 to \$20,000.	919	24.9	9,557,288	1.6	\$5,000 to \$20,000.	347	15.2	5,599,027	3.8
\$20,000 to \$100,000.	885	23.9	44,005,093	7.6	\$20,000 to \$100,000.	308	9.1	9,226,301	9.8
\$100,000 to \$1,000,000.	631	17.1	172,161,675	29.8	\$100,000 to \$1,000,000.	140	6.2	38,704,156	41.1
\$1,000,000 and over.	85	2.3	348,496,450	60.4	\$1,000,000 and over.	16	0.7	40,815,458	43.4
Anthracite coal.	192	100.0	149,180,471	100.0	Lead and zinc.	977	100.0	\$1,383,094	100.0
Less than \$5,000.	59	30.7	95,226	0.1	Less than \$5,000.	551	54.4	91,363	2.9
\$5,000 to \$20,000.	34	12.5	288,261	0.2	\$5,000 to \$20,000.	231	23.6	2,407,108	7.7
\$20,000 to \$100,000.	38	19.8	2,133,644	1.4	\$20,000 to \$100,000.	173	17.7	7,776,942	24.8
\$100,000 to \$1,000,000.	54	28.1	21,030,422	14.1	\$100,000 to \$1,000,000.	38	3.9	7,339,203	23.4
\$1,000,000 and over.	17	8.9	125,622,918	84.2	\$1,000,000 and over.	4	0.4	12,938,478	41.2
Bituminous coal.	3,503	100.0	427,962,464	100.0	Limestone.	1,665	100.0	29,832,492	100.0
Less than \$5,000.	1,116	31.9	2,826,403	0.6	Less than \$5,000.	940	56.5	1,370,499	4.6
\$5,000 to \$20,000.	895	25.5	9,309,027	2.2	\$5,000 to \$20,000.	401	24.1	4,177,822	14.0
\$20,000 to \$100,000.	847	24.2	41,852,049	9.8	\$20,000 to \$100,000.	270	16.2	12,518,129	41.3
\$100,000 to \$1,000,000.	577	16.5	151,141,253	35.3	\$100,000 to \$1,000,000.	54	3.2	11,966,672	40.1
\$1,000,000 and over.	68	1.9	222,873,532	52.1	Granite.	707	100.0	18,997,978	100.0
Petroleum and natural gas.	7,793	100.0	185,416,684	100.0	Less than \$5,000.	276	39.0	585,023	3.1
Less than \$5,000.	5,446	69.9	8,890,708	4.8	\$5,000 to \$20,000.	235	33.2	2,399,945	13.6
\$5,000 to \$20,000.	1,506	19.3	14,812,243	8.0	\$20,000 to \$100,000.	149	21.1	6,415,992	33.8
\$20,000 to \$100,000.	638	8.2	26,924,025	14.5	\$100,000 to \$1,000,000.	47	6.7	9,406,016	49.5
\$100,000 to \$1,000,000.	144	2.4	49,198,036	26.5	Phosphate rock.	51	100.0	10,781,192	100.0
\$1,000,000 and over.	19	0.2	85,591,672	46.2	Less than \$5,000.	9	17.6	21,132	0.2
Copper.	161	100.0	134,616,987	100.0	\$5,000 to \$20,000.	11	21.6	100,680	1.0
Less than \$5,000.	68	42.2	83,082	0.1	\$20,000 to \$100,000.	8	15.7	445,855	4.1
\$5,000 to \$20,000.	32	20.0	337,175	0.2	\$100,000 to \$1,000,000.	23	45.1	10,207,525	94.7
\$20,000 to \$100,000.	18	11.2	725,467	0.5					
\$100,000 to \$1,000,000.	22	13.7	8,708,333	6.5					
\$1,000,000 and over.	21	13.0	124,762,730	92.7					

The relative importance of small-scale and large-scale production in mining can be seen from the fact that the 11,384 operators reporting products valued at less than \$5,000, though they constituted 57.2 per cent of the total number of operators, reported only 1.5 per cent of the total value of products, while the 164 operators reporting products valued at more than \$1,000,000, though they formed less than 1 per cent of the whole number of operators, reported 57.5 per cent of the total value of products. The degree of concentration varies in the different industries, operators

reporting products of more than \$1,000,000 in value contributing 92.7 per cent, as measured by value, of the copper product, 84.2 per cent of the iron ore, 84.2 per cent of the anthracite coal, 52.1 per cent of the bituminous coal, 46.2 per cent of the petroleum and natural gas, 43.4 per cent of the precious metals, and 41.2 per cent of the lead and zinc. In the phosphate rock industry which reported a total value of products of \$10,781,192 there was one operator whose products were valued at more than \$1,000,000. The other mining industries do not show so high a degree of concentration.

## EXPENSES.

The census does not purport to furnish figures which can be used for determining profits or exact cost of production.

Table 22 shows, however, for 1909, in percentages, the distribution of expenses in producing enterprises by classes for all mining industries combined and for the most important industries separately. This table shows that for all industries combined 61.4 per cent of the total expenses were incurred for services—that is, salaries and wages—23.8 per cent for supplies, materials, and fuel, 6.1 per cent for royalties and rent of mines, and 8.7 per cent for all other purposes.

Table 22

INDUSTRY.	PER CENT OF TOTAL EXPENSES REPORTED FOR PRODUCING ENTERPRISES. <sup>1</sup>				
	Salaries.	Wages.	Supplies, materials, and fuel.	Royalties and rent of mines.	Miscellaneous.
<b>All industries.</b>	<b>5.1</b>	<b>56.3</b>	<b>23.8</b>	<b>6.1</b>	<b>8.7</b>
<b>Coal.</b>					
Anthracite.	3.2	66.3	19.2	5.7	5.6
Bituminous.	5.5	74.3	12.1	3.1	5.0
Petroleum and natural gas.	5.3	20.0	37.8	15.7	21.2
Copper.	3.4	45.9	44.2	1.7	4.8
Iron.	4.6	40.1	23.3	20.5	11.5
Precious metals.	5.6	44.4	37.7	1.7	10.6
Lead and zinc.	4.1	43.2	37.6	9.4	5.7
Limestone.	7.2	59.0	22.0	2.0	9.7
Granite.	6.6	68.6	16.6	1.2	7.0
Phosphate rock.	8.0	43.3	30.4	4.7	13.6

<sup>1</sup> For absolute figures on which these percentages are based, see Table 23, p. 562.

As would be expected, the proportions vary considerably in the different industries. The largest percentage for services (79.8) is shown for the bituminous branch of the coal-mining industry, the smallest percentage (25.3) being reported for the petroleum and natural gas industry. The proportion for supplies, materials, and fuel varies from 44.2 per cent for the

copper industry to 12.1 per cent for bituminous coal mining; the proportion for royalties and rent of mines, from 20.5 per cent for iron mining to 1.2 per cent for granite quarrying; and the proportion for miscellaneous expenses, from 21.2 per cent for the petroleum and natural gas industry to 4.8 per cent for the copper industry.

### POWER.

Table 23 shows, for all mining industries and for the most important industries separately, the number of engines or other motors, according to their character, employed in generating power (including electric

motors operated by purchased current), and their total horsepower. It also shows separately the number and horsepower of electric motors which were run by current generated by the same establishment.

**Table 23**

PRODUCING ENTERPRISES: 1909

INDUSTRY.	Primary power.												Electric motors run by current generated by same establishment.			
	Aggregate horsepower.	Total horsepower.	Owned.								Electric motors operated by rented current.					
			Steam engines.		Gas or gasoline engines.		Water wheels.									
			Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.	Number.	Horse-power.		
All industries	4 608 253	4 402 554	70 573	3 786 552	23 296	518 542	908	97 460	4 770	205 699	14 203	493 721				
Coal	1 904 154	1 877 450	19 318	1 874 001	374	3 101	9	348	872	26 704	10 869	375 386				
Anthracite	676 753	675 343	7 580	674 571	25	772			32	1 410	1 152	46 088				
Bituminous	1 227 401	1 202 107	11 738	1 199 430	349	2 329	9	348	840	25 294	9 717	329 298				
Petroleum and natural gas	1 221 969	1 221 809	36 928	736 658	21 762	475 151			6	160	454	8 589				
Copper	376 464	324 178	699	303 848	71	2 325	15	18 005	519	52 286	536	25 888				
Iron	346 534	342 069	3 563	326 753	27	2 651	30	12 065	55	4 405	326	13 295				
Precious metals	228 244	144 502	1 074	84 953	429	9 696	704	49 853	2 142	83 742	574	16 054				
Lead and zinc	110 559	107 276	2 158	94 220	214	12 987	3	69	59	3 283	361	12 048				
Limestone	125 024	115 573	2 166	112 360	119	2 911	9	272	206	9 451	170	5 291				
Granite	61 065	54 213	1 346	52 549	65	1 142	6	522	159	6 882	57	1 346				
Phosphate rock	50 526	50 426	549	46 817	32	3 069			1	100	339	21 388				

Of the total primary power used in mining, 4,402,554 horsepower, or 95.5 per cent, was owned by the mine operators, only 205,699 horsepower, all of which was electric power, being rented. The total amount of electric power used, including that generated at the mines, aggregated 699,420 horsepower. Nearly three-fourths of the total rented power was reported from the Mountain and Pacific states, where the abundance

of water power and the scarcity of coal makes the transmission of electric power profitable. The ownership of water power by mine operators was insignificant, except in the production of the precious metals, which is mainly confined to the group of states above mentioned. Of the horsepower generated by gas or gasoline engines, 91.6 per cent was utilized in the petroleum and natural gas industry.

### QUANTITY OF MINERALS.

The statistics relating to quantity of minerals were collected in cooperation with the United States Geological Survey, but the results given in Table 24 vary slightly from those published by that bureau. The latter relate in every case to the calendar year 1909, whereas the census data are for the business year of each establishment, to accord with the statistics of persons employed in mining industries as well as with the expenses incurred. Moreover, the figures presented in the table deal with products sold or used by the mine operators, whereas the statistics of the United States Geological Survey in many cases show the quantities actually produced during the calendar year.

For metalliferous, other than iron, mines the United States Geological Survey publishes the quantities of metals recovered by refineries which the ore ultimately reaches, whereas Table 24 relates to the crude products sold by mine operators. Thus the gold content of all domestic ore mined in continental United States, and sold in the crude state, together with the assay content of mill and placer bullion, as given in the table, aggregated 3,876,943 fine ounces, whereas the production of refined gold in continental United States, as estimated by the United States Geological Survey in cooperation with the Director of the Mint, was 3,837,773 ounces; the difference does not exceed 1



per cent of the total production. Likewise, the assay content of all silver ore and mill and placer bullion produced in the United States, as reported by mine operators, was 57,294,492 ounces, whereas the total production of refined bullion in the United States, including Alaska, as estimated by the Director of the Mint and reported by refineries to the Bureau of the Census, aggregated in round figures 54,500,000 fine ounces, the variance being due in greater part to losses in recovery.

No quantities for structural materials are presented in the table below, by reason of the great diversity in the units of measure, depending on quality as well as on the uses for which the stone is intended. The only common measure for the production of building stone is value.

Where the products of a given industry were marketed by some establishments in crude state and by others in dressed or refined state, the figures below are presented as reported by the operators.

Table 24	PRODUCT.	Unit of measure.	Total.	Crude.	Dressed or refined.	PRODUCT.	Unit of measure.	Total.	Crude.	Dressed or refined.
<b>FUELS:</b>						<b>MISCELLANEOUS:</b>				
	Coal, anthracite.....	Tons, 2,000 lbs.	80,968,130			Asbestos.....	Tons, 2,000 lbs.	3,233	2,330	903
	Coal, bituminous.....	Tons, 2,000 lbs.	376,865,510			Barites.....	Tons, 2,000 lbs.	48,984	42,979	6,005
	Petroleum.....	Barrels.....	171,552,485	171,552,485		Bauxite.....	Tons, 2,000 lbs.	142,341	136,641	7,700
	Natural gas.....	1 cubic foot.....	430,959,496			Clay.....	Tons, 2,000 lbs.	2,159,647	2,159,647	
	Peat.....	Tons, 2,000 lbs.	15,671	1,254	11,417	Corundum and emery.....	Tons, 2,000 lbs.	1,540	628	952
<b>METALS:</b>						Feldspar.....	Tons, 2,000 lbs.	76,539	31,037	45,502
	Iron.....	Tons, 2,240 lbs.	50,521,208	50,521,208		Fluorspar.....	Tons, 2,000 lbs.	48,759	46,319	2,441
	Gold, total.....	Fine ounces.....	4,860,871			Fullers' earth.....	Tons, 2,000 lbs.	43,169	19,861	23,308
	Continental U. S.....	Fine ounces.....	3,876,943			Garnet.....	Tons, 2,000 lbs.	2,932	90	2,842
	Alaska.....	Fine ounces.....	983,928			Graphite.....	Tons, 2,000 lbs.	16,222	13,248	2,974
	Silver.....	Fine ounces.....	57,294,492			Gypsum.....	Tons, 2,000 lbs.	1,845,900	346,069	1,489,831
	Copper, total.....	Pounds.....	1,089,800,000			Mica.....				
	Lake.....	Pounds.....	234,137,051		234,137,051	Sheet.....	Pounds.....	1,809,582	1,809,582	
	Western.....	Pounds.....	855,662,949	855,662,949		Scrap.....	Tons, 2,000 lbs.	4,090		4,090
	Lead.....					Monazite and zircon.....	Tons, 2,000 lbs.	298		298
	Argentiferous.....	Pounds.....	434,880,257	434,880,257		Phosphate rock.....	Tons, 2,240 lbs.	2,320,623	2,320,623	
	Nonargentiferous.....	Tons, 2,000 lbs.....	249,935	249,935		Pumice.....	Tons, 2,000 lbs.	15,103		15,103
	Zinc.....					Pyrite.....	Tons, 2,240 lbs.	247,070	247,070	
	Argentiferous.....	Pounds.....	98,882,379	98,882,379		Quartz.....	Tons, 2,000 lbs.	117,578	106,248	11,330
	Nonargentiferous.....	Tons, 2,000 lbs.....	818,821	818,821		Sulphur.....	Tons, 2,000 lbs.	268,029	268,029	
	Quicksilver.....	Pounds net.....	1,563,675		1,563,675	Talc and soapstone.....	Tons, 2,000 lbs.	120,837	30,898	89,939
	Manganese.....	Tons, 2,240 lbs.....	1,544	1,544						
	Tungsten.....	Tons, 2,000 lbs.....	1,619	1,619						

<sup>1</sup> See explanation in the text.

<sup>2</sup> Assay content of ore.

<sup>3</sup> Assay content of mill bullion and ore shipped.

<sup>4</sup> Concentrate.

<sup>5</sup> Metallic copper.

# PRODUCING MINES, QUARRIES, AND WELLS <sup>1</sup>—COMPARATIVE SUMMARY FOR THE UNITED STATES, BY STATES: 1909 AND 1902.

Table 25		PRINCIPAL EXPENSES OF OPERATION AND DEVELOPMENT.					PER CENT OF INCREASE.					
GEOGRAPHIC DIVISION AND STATE.		Census.	Salaries and wages.	Supplies, materials, and fuel. <sup>2</sup>	Royalties and rent of mines.	Contract work.	Value of products. <sup>3</sup>	Primary horse-power.	Salaries and wages.	Royalties and rent of mines.	Value of products.	Horse-power.
United States <sup>4</sup>		1909	\$625,610,068	\$208,771,046	\$62,456,760	\$24,091,986	\$1,175,475,001	4,556,170	55.9	81.2	52.4	71.0
		1902	401,225,547	114,515,832	34,476,227	20,638,127	771,486,926	2,663,964				
GEOGRAPHIC DIVISIONS:												
New England.....		1909	11,093,130	3,963,951	190,947	120,440	19,312,271	60,120	5.8	6.8	16.3	37.7
		1902	10,484,388	2,638,713	178,812	1,853	16,608,696	43,679				
Middle Atlantic.....		1909	212,534,186	54,917,283	15,928,491	6,048,025	353,775,070	1,748,375	66.2	42.3	47.2	46.7
		1902	127,847,369	31,582,305	11,190,610	5,369,507	240,365,682	1,191,487				
East North Central.....		1909	129,342,721	34,944,431	12,338,469	5,882,397	233,002,528	919,427	44.9	36.7	34.8	50.8
		1902	89,261,966	25,960,245	9,024,556	4,959,358	172,894,450	609,641				
West North Central.....		1909	55,134,454	21,116,725	14,720,084	2,769,833	129,023,910	371,548	62.2	158.6	78.6	208.5
		1902	33,998,514	9,936,373	5,091,636	770,773	72,257,703	120,421				
South Atlantic.....		1909	53,134,421	18,226,801	8,638,145	4,665,497	102,375,877	532,824	66.5	90.1	47.9	81.9
		1902	31,916,461	11,496,991	4,544,772	5,374,382	69,202,161	292,981				
East South Central.....		1909	31,848,088	6,843,506	1,374,027	976,571	46,394,609	180,503	41.2	79.5	33.2	210.6
		1902	22,559,863	3,941,987	765,974	601,402	34,820,772	58,122				
West South Central.....		1909	9,221,489	4,308,820	1,068,985	303,062	22,400,222	55,199	85.3	348.7	127.2	152.4
		1902	4,976,130	1,216,670	358,555	1,494,296	9,857,364	21,573				
Mountain.....		1909	82,759,040	36,741,680	1,880,957	728,712	170,306,955	399,308	45.1	18.0	51.7	80.9
		1902	57,929,455	20,390,291	1,394,738	770,931	112,570,912	239,774				
Pacific.....		1909	28,628,961	21,456,212	2,973,092	523,657	71,076,741	154,172	57.9	270.2	96.9	116.2
		1902	19,128,437	6,557,854	803,639	570,016	36,062,355	83,293				

<sup>1</sup> Exclusive of governmental institutions, and of the coke and cement industries, but including figures for the lime industry.

<sup>2</sup> Exclusive of duplications resulting from the use of products of some enterprises as materials for others within the same industry.

<sup>3</sup> Embraces Oklahoma, Rhode Island, and 1 South Carolina for both years and the District of Columbia for 1909. These states are not shown separately nor are they included in the totals for their respective geographic divisions, because to do so would disclose individual operations.

<sup>4</sup> Exclusive of the amount paid to miners compensated by a share of the product for both years, and also of the wages of part-time employees for the petroleum and natural gas industries for 1909, which are included under "Contract work" in other tables for 1909.







IN MINING INDUSTRIES, LAND CONTROLLED, AND POWER, FOR THE UNITED STATES, BY STATES: 1909.

EXPENSES OF OPERATION AND DEVELOPMENT—contd.						PERSONS ENGAGED IN MINING INDUSTRIES.								
Miscellaneous.						Proprietors and officials.								
Royalties and rent of mines.	Taxes.	Contract work.	Rent of offices and other sundry expenses.	Value of products.	Aggregate.	Total.	Proprietors and firm members.	Salaried officers of corporations, superintendents, and managers.	Clerks and other salaried employees.	Wage earners Dec. 15, or nearest representative day.	Land controlled (acres).	Primary horse-power.		
1	\$63,873,585	\$17,796,763	\$28,887,896	\$43,950,513	\$1,238,410,322	1,139,332	49,374	29,922	19,452	24,875	1,065,283	24,215,611	4,608,253	
2	185,637	154,826	110,705	932,052	17,327,242	19,590	938	515	423	398	18,254	67,575	61,229	
3	15,915,407	5,920,809	6,333,563	9,823,286	370,742,262	427,091	16,335	11,320	4,805	7,829	402,937	5,874,701	1,738,613	
4	12,335,880	3,332,106	6,154,644	9,059,774	237,534,170	229,255	11,301	7,451	3,850	4,294	213,660	4,139,440	913,857	
5	14,718,304	3,280,168	2,762,943	3,197,022	130,252,538	95,637	5,230	3,547	1,683	1,949	88,458	1,425,461	370,390	
6	8,639,760	1,307,777	4,862,717	6,689,087	103,714,462	124,512	3,503	1,350	2,159	2,567	118,066	6,503,321	536,648	
7	1,373,504	376,047	1,006,660	2,832,395	49,143,289	75,904	2,184	501	1,683	1,964	70,856	2,308,739	179,650	
8	4,391,962	456,134	2,469,045	5,159,726	47,530,937	31,387	2,156	1,056	1,100	979	28,252	1,844,933	149,602	
9	3,410,506	2,143,200	4,308,511	5,497,371	205,053,900	99,711	4,158	2,023	2,135	2,481	93,072	1,022,459	467,184	
10	2,972,425	683,456	617,309	2,532,139	75,111,522	36,171	3,263	1,959	1,304	1,120	31,788	968,982	191,050	
11	16,302	16,241	6,728	80,940	2,056,063	2,686	168	98	70	47	2,471	11,655	8,141	
12	4,271	5,251	9,216	51,000	1,308,597	1,610	75	42	33	15	1,520	7,979	3,771	
13	84,352	72,147	64,008	486,944	8,221,523	8,901	311	160	151	202	8,388	35,327	25,668	
14	55,409	40,187	16,272	177,996	3,467,888	3,805	121	101	75	5	3,508	8,077	15,031	
15	8,652	3,343	36,272	897,006	1,737,765	737	37	18	19	23	677	659	2,350	
16	16,771	17,657	13,761	98,900	1,375,765	1,851	125	76	49	36	1,660	3,878	6,298	
17	465,454	173,989	513,042	872,069	13,334,975	14,230	2,641	2,294	347	286	11,303	495,579	101,759	
18	101,026	47,354	44,489	256,533	8,347,501	7,176	227	96	131	148	6,801	26,809	18,048	
19	15,379,127	5,699,406	5,976,032	8,694,684	349,039,786	405,685	13,457	9,130	4,327	7,385	394,833	5,332,313	1,618,806	
20	3,667,382	856,766	2,970,544	3,184,599	63,767,112	62,874	4,333	3,064	1,269	1,356	57,185	2,135,777	294,763	
21	595,274	176,369	295,982	962,798	21,934,201	31,292	3,259	2,628	631	474	27,559	322,176	95,039	
22	3,579,472	287,406	2,376,956	3,082,154	76,658,974	86,380	2,643	1,425	1,218	1,310	82,436	990,389	225,330	
23	4,048,066	1,948,756	470,205	1,524,079	67,714,479	42,133	680	118	562	1,056	40,397	452,602	273,861	
24	445,146	62,755	40,957	306,144	7,459,404	6,567	386	216	170	98	6,983	38,496	24,864	
25	10,731,959	2,824,161	2,157,108	623,751	58,664,852	19,566	547	169	378	935	18,114	337,792	151,834	
26	249,440	43,574	40,836	319,784	13,877,781	19,904	668	425	236	226	19,010	81,458	23,453	
27	1,954,092	158,086	162,084	1,149,797	31,667,325	32,462	2,450	1,783	667	336	27,676	339,617	116,672	
28	10,647	4,300	1,325	18,771	564,812	960	79	51	28	21	860	34,665	2,025	
29	4,776	102,063	50	84,843	6,432,417	3,987	75	31	44	46	3,866	31,933	15,648	
30	1,551	414	5,593	8,416	3,327,517	5,527	28	16	12	8	1,491	1,038	815	
31	1,666,839	147,570	395,947	991,660	18,722,634	18,201	1,383	1,074	309	377	16,441	598,898	66,943	
32	4,392	1,624	5,800	30,947	516,213	671	30	9	21	13	628	642	1,450	
33	133,786	88,559	8,303	524,669	5,782,045	8,201	279	101	178	177	7,745	109,419	18,118	
34	418,353	150,074	119,628	675,666	8,795,646	17,596	329	85	243	374	16,893	294,416	34,630	
35	7,796,172	965,443	4,465,926	4,556,270	76,287,889	82,808	2,236	909	1,327	2,168	78,404	5,569,353	416,282	
36	20,212	7,565	37,386	169,075	1,358,017	3,094	281	165	66	38	2,825	75,296	6,062	
37	10,316	10,783	6,880	55,838	1,252,792	2,079	45	13	32	20	2,014	47,899	7,012	
38	58,717	13,236	1,903	121,628	2,874,595	4,267	186	58	128	67	4,014	136,129	10,698	
39	197,792	70,493	217,961	614,962	8,846,665	5,796	173	9	164	140	5,483	276,167	42,366	
40	422,579	96,122	184,903	684,561	12,100,075	23,393	870	338	532	490	22,033	710,636	53,203	
41	617,067	94,575	54,372	597,395	12,692,547	18,968	482	87	395	458	18,028	807,131	34,523	
42	333,828	185,350	767,385	1,550,439	24,550,667	32,643	832	76	756	1,016	30,795	850,972	91,924	
43	193,990	18,084	117,195	268,141	4,603,845	6,739	215	75	140	102	6,422	110,326	14,080	
44	496,198	67,501	62,440	3,222,131	6,547,050	1,163	131	72	59	79	953	102,251	8,445	
45	2,783,975	308,216	2,137,314	1,312,185	25,637,892	15,842	1,349	648	701	573	13,920	1,211,893	95,074	
46	917,799	62,333	152,096	417,269	10,742,150	7,643	461	261	260	225	6,957	430,263	32,003	
47	1,822,875	453,386	394,469	1,049,933	54,991,961	21,791	769	504	265	519	20,503	119,642	174,389	
48	27,632	158,145	23,036	382,868	8,649,342	3,940	284	169	115	64	3,592	48,920	26,278	
49	107,834	61,469	61,542	346,707	10,572,188	8,983	406	202	104	178	8,499	85,550	30,338	
50	1,017,447	542,972	2,996,087	1,151,756	45,080,175	26,783	1,411	647	764	693	24,769	213,875	98,777	
51	78,996	40,410	132,535	318,423	5,587,744	6,112	210	86	124	220	3,682	397,174	16,042	
52	8,256	431,829	238,952	874,462	34,217,651	14,104	301	100	201	352	13,451	44,217	47,272	
53	71,911	211,929	265,066	771,310	22,081,282	11,735	390	102	284	341	11,004	44,650	47,226	
54	275,556	243,129	196,768	601,912	20,271,597	6,263	437	213	274	204	5,572	38,491	26,862	
55	141,231	93,963	14,462	226,886	10,537,556	7,553	162	48	114	148	7,343	107,089	20,742	
56	16,935	12,917	72,117	72,486	1,191,512	1,289	174	112	62	38	1,087	31,708	8,070	
57	2,814,259	576,946	595,130	2,232,767	63,382,454	27,219	2,927	1,799	1,128	934	23,358	827,285	162,238	

\*The following numbers of persons, which could not be distributed by states, are included under the proper headings in the United States totals: Aggregate, 974; salaried officers of corporations, superintendents, and managers, 310; and clerks, 664.

## PRODUCING MINES, QUARRIES, AND WELLS—LAND CONTROLLED, CAPITAL, EXPENSES, VALUE OF PRODUCTS,

Table 28					EXPENSES OF OPERATION AND DEVELOPMENT.						
INDUSTRY.	Number of operators.	Number of mines, quarries, and wells.	Land controlled (acres).	Capital.	Total.	Services.			Supplies, materials, and fuel.		
						Salaried officers of corporations and other superintendents, and managers.	Clerks and other salaried employees.	Wage earners.	Supplies and materials.	Purchased ore and natural gas (duplication in product).	Fuel and rent of power.
<b>All Industries (U. S.)</b>	<b>19,915</b>		<b>24,215,611</b>	<b>\$3,380,525,841</b>	<b>\$1,042,642,693</b>	<b>\$32,823,748</b>	<b>\$20,569,803</b>	<b>\$586,774,079</b>	<b>\$173,411,438</b>	<b>\$29,318,316</b>	<b>\$45,136,550</b>
<b>FUELS:</b>											
Coal, anthracite	192	423	465,134	246,928,078	139,334,367	2,317,223	2,266,081	92,317,659	23,504,740		3,193,226
Coal, bituminous	3,593	6,013	7,717,615	1,062,197,083	395,907,026	12,724,418	9,076,477	294,196,488	40,064,899	433,801	7,509,947
Petroleum and natural gas	7,793	166,320	12,694,838	685,298,357	135,638,641	4,848,234	2,593,657	27,001,650	39,947,013	9,888,877	1,441,595
Peat	10	10	1,620	318,024	96,034	17,178	3,018	40,313	6,490		17,974
<b>METALS:</b>											
Iron	176	483	1,313,214	300,735,917	74,071,800	1,749,989	1,639,973	29,731,456	12,597,428		4,632,289
Copper	161	368	275,598	301,896,296	107,679,212	1,928,167	1,785,361	49,382,979	23,718,373	10,596,964	13,324,157
Precious metals—											
Deep mines	1,604	2,845	374,685	443,715,258	68,794,692	2,816,906	980,474	30,868,371	14,100,617	6,451,627	5,105,253
Placer mines	678	880	213,578	56,840,870	6,810,482	359,376	71,397	2,669,574	2,194,441		673,602
Lead and zinc	977	1,112	126,322	62,627,935	24,453,299	896,722	195,844	10,477,657	4,836,023	1,947,047	2,400,724
Quicksilver	12	12	22,837	2,718,812	718,861	63,441	15,140	407,544	130,847		54,531
Manganese	3	8	3,457	960,000	21,725	4,020	480	11,988	3,461		498
Tungsten	22	116	7,624	1,468,428	365,780	29,901	3,240	178,345	85,555		8,648
<b>STRUCTURAL MATERIALS:</b>											
Limestone	3,988	4,603	341,695	1,132,641,780	63,641,585	2,342,297	2,504,442	39,661,871	8,800,184		3,482,054
Granite	1,065	1,916	128,495	44,089,470	23,875,507	1,227,758	490,228	14,082,185	3,754,125		1,507,028
Sandstone	707	826	51,338	25,422,307	16,192,138	741,171	325,301	11,112,195	1,921,012		737,073
Marble	595	677	45,580	15,758,455	6,626,438	398,383	132,086	3,993,340	909,955		319,961
Slate	77	108	43,450	20,272,755	4,842,835	281,018	102,089	3,099,023	544,327		261,689
Traprock	185	219	19,897	12,177,550	5,831,256	306,899	98,580	4,088,653	521,761		327,397
Bluestone	196	220	18,085	8,745,553	5,040,558	244,777	102,317	2,538,964	1,018,080		273,052
	563	637	14,795	1,293,789	1,152,873	53,052	8,446	707,511	130,014		29,219
<b>MISCELLANEOUS:</b>											
Asbestos	5	20	3,045	88,000	72,747	7,940	2,200	31,189	23,120		400
Asphaltum and bituminous rock	12	19	7,137	2,557,273	301,673	39,809	4,820	128,977	66,159		13,589
Barytes	23	42	14,079	472,751	176,967	13,023	6,560	90,310	21,756		6,468
Bauxite	10	10	14,214	3,023,414	310,221	24,878	7,608	198,273	21,665		33,624
Buhrstones and millstones	14	14	506	9,685	18,354	225		16,625	483		25
Clay	301	336	59,053	6,780,077	2,289,198	180,863	44,024	1,361,622	280,953		108,389
Corundum and emery	4	6	1,553	316,909	7,459	1,044		3,675	260		15,892
Felspar	22	28	3,560	505,779	228,896	25,367	3,836	100,633	40,832		5,735
Fluorspar	13	15	3,434	195,215	319,426	19,649	5,024	168,445	24,695		35,922
Fuller's earth	16	21	6,644	1,362,427	274,776	33,880	4,470	118,629	35,797		24,414
Garnet	3	4	5,396	181,858	98,206	3,550	900	40,204	19,491		48,010
Graphite	19	20	5,084	1,295,768	328,690	29,588	2,426	160,069	69,601		13,562
Grindstones	13	25	2,604	304,324	339,261	20,572	5,373	148,323	99,470		573,499
Gypsum	78	222	54,215	10,213,284	4,905,662	288,954	262,935	1,820,877	986,658		9,235
Infusorial earth	14	16	2,045	147,900	61,093	4,990	120	27,627	4,432		7,586
Magnetite	6	13	2,369	89,016	62,444	5,338	2,105	32,479	6,282		1,525
Marl	3	3	2,250	70,146	17,812	2,895	1,030	9,587	1,463		12,392
Mica	73	78	12,255	1,261,780	182,828	13,570	960	124,658	10,377		7,775
Mineral pigments	23	26	1,537	386,501	115,840	15,082	1,800	43,974	14,710		6,601
Monsie and zircon	4	4	50,550	63,000	50,000	3,100	500	5,046	1,750		1,012
Oolites, scythes, and whetstones	21	45	3,928	247,478	99,259	4,083	1,000	69,884	4,957		1,360,368
Phosphate rock	51	153	340,697	30,642,656	7,421,430	430,523	160,467	3,215,661	898,657		1,012
Precious stones	23	27	2,888	701,945	185,908	36,169	2,760	86,972	30,449		539
Pumice	11	4	320	4,400	6,087		90	4,778			71,537
Pyrite	3	12	9,179	1,717,410	734,355	34,573	20,329	408,419	152,143		12,065
Quartz	14	14	1,877	343,883	155,418	10,447	2,679	81,648	17,491		708,354
Sulphur	4	4	6,747	5,285,900	4,538,389	64,200	46,059	324,538	248,383		66,339
Talc and soapstone	39	46	11,576	8,699,744	1,636,371	71,334	31,678	504,116	196,054		2,006
Tripoli	4	7	874	170,800	42,493	6,000	840	22,637	7,407		
<b>ALL OTHER INDUSTRIES<sup>1</sup></b>	<b>10</b>	<b>27</b>	<b>27,843</b>	<b>6,891,550</b>	<b>740,874</b>	<b>38,950</b>	<b>12,086</b>	<b>373,269</b>	<b>125,340</b>		<b>138,929</b>

<sup>1</sup> Includes \$1,876,095 which can not be distributed among the several industries.

<sup>2</sup> In some cases the same operator conducted two or more quarries producing different kinds of stone, all quarries being managed through one central administrative office. In such instances it was impossible to assign the corporate officers and the central office force to any particular quarry; this was also the case in respect to taxes, which were reported in a lump sum for all properties. The total central office expenses were accordingly apportioned among the several industries in proportion to the total expenses of each, and the estimated amounts of such administrative expenses were added to "Sundry expenses" for each industry. In the totals for "Structural materials," however, the number of officers and salaried employees, as well as their salaries, and the amount of taxes, appear under the proper heads. The amounts thus included in the item of "Sundry expenses" for individual industries and distributed in the totals for "Structural materials" are as follows: Officers, \$389,239; clerks, \$242,325; and taxes, \$27,767.

## PERSONS ENGAGED IN MINING INDUSTRIES, AND POWER, FOR THE UNITED STATES, BY INDUSTRIES: 1909.

EXPENSES OF OPERATION AND DEVELOPMENT—continued.										PERSONS ENGAGED IN MINING INDUSTRIES.									
Miscellaneous.					Per cent of total.			Value of products.	Aggregate.	Proprietors and officials.							Wage earners Dec. 15, or nearest representative day.	Primary horse power.	
Royalties and rent of mines.	Taxes.	Contract work.	Rent of offices and other sundry expenses.	Services.	Supplies.	Miscellaneous.	Total.			Proprietors and firm members.	Salaries of officers of corporations, superintendents, and managers.	Clerks and other salaried employees.							
										Total.	Number performing manual labor.								
1	\$83,973,585	\$17,798,763	\$28,887,898	\$41,950,513	61.4	23.8	14.8	\$1,238,410,322	1,133,332	49,374	29,922	8,861	19,452	24,675	1,065,283	4,868,253			
2	7,980,739	2,681,877	1,701,514	3,361,408	69.5	19.2	11.3	149,180,471	178,004	1,315	188	72	1,127	3,185	173,504	676,753			
3	12,082,488	4,481,816	2,209,672	13,127,020	79.8	12.1	8.1	427,962,464	592,677	11,620	3,739	1,713	7,881	11,268	569,789	1,227,401			
4	21,282,820	2,576,986	16,736,510	9,428,312	25.3	37.8	36.9	185,416,684	62,172	19,353	16,213	2,155	3,140	2,988	39,831	1,221,749			
5	830	907		9,354	63.0	25.5	11.5	109,047	263	15	1		4	6	182	1,416			
6	15,174,735	3,970,355	2,698,842	1,876,763	44.7	23.3	32.0	106,947,082	55,176	1,109	76	24	1,033	1,837	52,230	346,534			
7	1,789,656	1,934,158	644,562	2,574,335	49.3	44.2	6.5	134,016,987	55,258	661	79	42	582	1,454	53,143	376,464			
8	1,163,985	1,084,576	3,603,984	2,588,989	50.4	37.3	12.3	83,885,928	37,755	3,359	2,011	951	1,348	780	33,616	290,966			
9	141,716	119,369	99,582	479,422	45.5	42.2	12.3	10,237,252	5,436	1,149	951	673	198	88	4,199	27,278			
10	2,301,850	167,188	197,259	1,032,985	47.3	37.6	15.1	31,363,094	24,397	2,525	1,947	1,171	578	269	21,063	110,559			
11	5,208	6,957	9,878	25,255	67.6	25.8	6.6	868,458	640	27	3		24	15	598	784			
12		678			78.7	18.2	3.1	20,435	65	7	4	1	3	1	57	175			
13	1,375	3,213	40,976	14,527	57.8	25.8	16.4	563,457	227	45	32	20	13	5	177	486			
14	1,439,445	1,496,235	463,590	2,451,467	70.4	19.3	10.3	75,992,908	101,129	6,744	4,106	1,827	2,638	2,635	92,350	303,442			
15	488,919	161,117	201,880	1,961,657	66.2	22.0	11.8	29,832,492	41,029	2,645	1,634	640	1,011	639	37,695	125,024			
16	194,349	113,097	65,744	958,231	75.2	16.6	8.2	18,997,976	22,211	1,248	730	318	518	402	20,561	61,095			
17	97,604	53,075	73,359	648,675	68.3	18.5	13.2	7,702,423	11,025	913	587	215	326	204	9,908	33,487			
18	47,911	70,616	27,344	428,818	71.5	16.6	11.9	6,239,120	6,649	188	49	6	139	148	6,313	21,779			
19	271,252	33,192	28,962	154,500	77.1	14.5	8.4	6,034,174	10,121	499	221	70	278	184	9,438	29,777			
20	282,501	32,301	60,204	532,302	56.7	25.5	17.8	5,578,317	6,748	317	116	22	201	171	6,200	29,211			
21	56,909	5,070	6,097	126,555	70.0	13.5	16.5	1,588,406	3,020	827	769	556	58	18	2,175	3,069			
22	45	846	400	6,607	56.8	32.3	10.9	65,140	88	5			5	4	79	380			
23	1,517	5,694	15,546	26,053	57.4	26.4	16.2	466,461	241	20			20	6	215	828			
24	14,232	1,967	14,346	7,705	62.5	15.9	21.6	224,766	372	35	23	11	12	7	330	262			
25	6,909	3,993		19,271	73.0	17.5	9.5	670,829	726	27	1		26	9	690	1,365			
26	271	28		697	91.8	2.8	5.4	34,441	79	19	18	15	1		60				
27	85,403	25,147	48,068	154,729	69.3	17.0	13.7	2,945,948	4,351	404	244	77	100	76	3,871	8,868			
28	708	11		1,761	63.3	3.5	33.2	18,185	19	2			2		17				
29	9,238	1,473	8,881	27,404	56.7	23.7	19.6	271,437	363	28	11	7	10		325	993			
30	1,917	1,012	949	63,321	60.5	18.5	21.0	288,509	376	27	8	4	19	7	342	1,179			
31	582	2,863	67	30,478	57.1	30.5	12.4	315,762	380	27	3	3	24	8	345	1,739			
32	6,850	4,909		16,547	45.5	25.7	28.8	101,920	120	7	7	2	2	1	112	315			
33	5,765	3,401	4,000	25,918	56.6	32.1	11.3	344,130	436	26	2	2	24	6	404	2,647			
34	3,348	2,134	25,597	19,882	51.4	33.6	15.0	413,296	430	16	5	2	11	6	408	1,648			
35	74,916	39,062	16,558	842,243	48.4	31.8	19.8	5,812,810	4,215	163	6	4	157	274	3,778	17,685			
36	735	813	2,430	10,701	53.6	22.4	24.0	75,503	99	23	16	1	7	1	375	316			
37	253	252		8,179	63.9	22.2	13.9	68,463	84	8	3	2	3	2	74	126			
38		247		1,065	75.8	16.8	7.4	13,307	38	7	4				29	105			
39	5,684	832	6,036	8,299	76.1	12.5	11.4	206,794	608	133	116	63	17	2	473	463			
40	3,469	1,255	20,388	7,407	52.5	19.4	28.1	151,015	246	35	20	2	15	2	299	849			
41	100	303	36,500	2,740	17.2	5.0	77.8	64,472	34	8	6		2	42	1	25			
42	1,061	1,211	6,622	3,840	75.5	11.7	12.8	206,028	232	25	19	9	6	1	206	448			
43	345,568	86,859	251,849	671,478	51.3	30.4	18.3	10,781,192	8,573	214	17		197	173	8,186	50,526			
44	190	1,746		27,360	68.8	16.1	15.1	315,654	145	33			28	5	107	109			
45				490	80.0	8.8	11.2	30,097	25	5	5	3			2	18			
46	887	6,145	2,730	37,592	63.1	30.5	6.4	676,984	1,160	22			18	27	1,111	5,758			
47	2,959	1,512	16,351	10,296	61.0	19.0	20.0	231,025	208	18	7				6	184	1,219		
48		53,606	361	3,082,708	9.6	21.1	69.3	4,432,066	460	13			13	39	408	3,114			
49	31,297	15,301	3,550	116,512	58.6	25.3	16.1	1,174,516	1,452	64	16	2	48	52	1,336	9,433			
50	2,662	713		208	69.4	22.1	8.5	66,557	73	11	4		7	2	60	265			
51	2,152	8,933	500	40,715	57.3	35.7	7.0	778,938	560	20	4	3	16	13	527	3,141			

\* The following numbers of persons, which could not be distributed among the several industries, are included under the proper headings in the totals for building stone: Aggregate, 326; officers of corporations, 107; and clerks, 219.

† Includes enterprises as follows: Antimony, 1; bismuth, 1; borax, 2; chromite, 2; manganiferous iron, 2; nickel and cobalt, 1; and tin, 1.

## NONPRODUCING MINES, QUARRIES, AND WELLS—PERSONS ENGAGED IN MINING INDUSTRIES, LAND CONTROLLED, POWER, CAPITAL, AND EXPENSES: 1909.

Table 29

Table 29		PERSONS ENGAGED IN MINING INDUSTRIES.															
INDUSTRY.	Number of operators.	Number of mines, quarries, and wells.	Aggregate.	Proprietors and officials.						Clerks and other salaried employees.	Wage earners Dec. 15, or nearest representative day.	Land controlled (acres).	Primary horse-power.	Capital.			
				Total.	Proprietors and firm members.		Officials.										
					Total.	Number performing manual labor.											
All Industries (United States) .....	3,749		27,616	5,494	3,769	1,076	1,725	623	21,499	1,969,067	91,657	\$282,001,223					
FUELS:																	
Coal, anthracite .....	6	6	327	6			6		321	513	1,945	22,728					
Coal, bituminous .....	38	50	1,917	50	9		65		568	89,700	2,609	9,402,665					
Petroleum and natural gas .....	260	128	1,917	396	297	19	189	70	1,451	1,115,101	8,577	14,166,314					
METALS:																	
Iron .....	20	21	804	23	5	2	18	28	753	30,420	3,471	4,850,839					
Copper .....	13	13	799	39			39	54	706	15,579	4,248	11,073,777					
Precious metals:																	
Deep mines .....	3,078	8,352	20,453	4,426	3,135	881	1,291	399	15,628	598,832	59,224	233,123,039					
Placer mines .....	132	192	772	199	152	103	47	5	588	54,154	5,001	3,364,221					
Lead and zinc .....	63	71	494	150	123	28	27	8	336	4,737	3,486	1,094,711					
Quicksilver .....	18	28	139	27	19	9	8	1	111	9,139	120	893,800					
Manganese .....	5	9	42	9	6		3		33	4,016	248	105,650					
Tungsten .....	12	84	109	14	7		7	1	94	3,470	127	459,602					
STRUCTURAL MATERIALS:																	
Limestone .....	9	9	159	19	17		2	4	136	5,024	879	273,121					
Granite .....	3	3	18	6	3		1		12	76		13,990					
Marble .....	11	20	81	19	13		6	1	61	4,136	206	496,352					
Slate .....	9	10	94	16	12	5	4		78	395	390	166,081					
MISCELLANEOUS:																	
Asbestos .....	5	76	25	4		1	4	2	19	2,455		264,734					
Clay .....	6	6	46	16	14	1	2		30	973	20	34,740					
Fluorspar .....	3	3	14	4	3		1		10	147	10	116,500					
Graphite .....	5	6	35	6	1	3	5	3	26	11,005	85	258,018					
Gypsum .....	4	6	25	4	3	2	1		21	1,230	10	46,741					
Mica .....	4	4	29	5	3	3	2		24	165		13,708					
Oilstones, scythestones, and whetstones .....	4	4	13	6	6	1			7	240	50	2,600					
Phosphate rock .....	5	33	137	8	2	4	6	2	127	3,765	455	132,000					
Precious stones .....	7	11	27	11	11	2			16	261		22,125					
ALL OTHER INDUSTRIES <sup>2</sup> .....	29	54	292	31	16	7	15	15	246	15,534	496	1,612,197					

## EXPENSES OF OPERATION AND DEVELOPMENT.

INDUSTRY.	Total.	Services.			Supplies, materials, and fuel.		Contract work.	Miscellaneous expenses.
		Salaried officers of corporations, superintendents, and managers.	Clerks and other salaried employees.	Wage earners.	Supplies and materials.	Fuel and rent of power.		
All Industries (United States) . . . . .	\$31,548,736	\$2,092,650	\$392,277	\$12,931,910	\$10,877,732	\$1,366,862	\$1,802,560	\$2,084,745
FUELS:								
Coal, anthracite.....	263,501	7,151	3,069	173,438	58,956	2,563	1,351	17,033
Coal, bituminous.....	748,867	37,795	14,878	229,027	164,677	2,137	214,310	86,042
Petroleum and natural gas.....	7,044,383	191,155	25,543	1,002,383	4,937,764	198,532	303,162	385,824
METALS:								
Iron.....	802,301	18,068	15,962	316,530	237,882	83,674	63,775	126,410
Copper.....	900,252	57,882	34,556	475,123	167,906	75,113	12,698	76,974
Precious metals—								
Deep mines.....	20,321,074	1,630,738	276,360	10,086,470	5,017,908	951,148	1,089,536	1,268,914
Placer mines.....	506,426	49,085	1,375	243,336	145,138	6,219	27,487	33,186
Lead and zinc.....	241,450	16,501	2,712	86,442	39,205	24,161	63,336	9,093
Quicksilver.....	96,904	7,050	900	69,354	10,367	1,970	.....	7,263
Manganese.....	19,167	2,203	.....	12,324	2,168	1,262	.....	1,210
Tungsten.....	83,877	15,412	816	42,204	14,960	565	.....	9,920
STRUCTURAL MATERIALS:								
Limestone.....	77,112	874	2,592	22,612	42,424	679	4,420	3,511
Granite.....	4,574	600	.....	2,395	1,510	.....	.....	69
Marble.....	43,531	7,380	600	19,054	8,579	2,206	1,800	4,112
Slate.....	29,175	3,890	.....	19,552	2,625	2,427	.....	701
MISCELLANEOUS:								
Asbestos.....	36,803	8,177	1,420	14,311	1,422	.....	40	11,563
Clay.....	6,996	900	.....	3,773	1,000	.....	.....	1,283
Fluorspar.....	4,218	1,320	.....	2,010	499	245	.....	194
Graphite.....	62,801	11,100	1,508	14,557	2,225	108	11,028	22,255
Gypsum.....	6,290	120	.....	4,130	1,635	5	.....	400
Mica.....	5,343	600	2,378	708	1,102	.....	500	55
Oilstones, scythestones, and whetstones.....	1,805	.....	.....	937	165	70	.....	633
Phosphate rock.....	37,567	4,825	350	24,673	1,421	3,828	.....	2,470
Precious stones.....	2,227	.....	.....	1,811	391	.....	.....	115
ALL OTHER INDUSTRIES <sup>2</sup> .....	142,002	19,224	7,318	64,755	16,143	9,930	9,117	15,515

<sup>1</sup> Exclusive of wells not completed on Dec. 31, 1909.<sup>2</sup> Includes enterprises as follows: Antimony, 1; asphaltum and bituminous rock, 2; bluestone, 1; borax, 1; chromite, 1; feldspar, 1; garnet, 1; gravelstones, 1; infusorial earth, 1; lithographic stone, 2; lithium, 1; magnesite, 1; mineral pigments, 2; molybdenum, 4; monazite and zircon, 1; peat, 2; pyrite, 1; quartz, 1; tin, 1; titanium, 1; uranium, 1; and vanadium, 1.



# SUPPLEMENT FOR CALIFORNIA



POPULATION  
AGRICULTURE  
MANUFACTURES  
MINES AND QUARRIES



## CHAPTER 1.

### NUMBER OF INHABITANTS.

**Introduction.**—This chapter gives the population of California, by counties and minor civil divisions, as enumerated at the Thirteenth Census, taken as of April 15, 1910, with comparative statements of population where possible, and a statement and discussion for the state as a whole of the population living in urban and in rural territory. The statistics are given in detail in two general tables.

Table 1 (p. 574) shows the population of California, distributed according to counties and minor civil divisions, at the last three censuses, namely, those of 1910, 1900, and 1890. The counties and primary divisions are arranged alphabetically, with the exception of 18 counties, in which the primary divisions are arranged numerically. The figures for secondary divisions are printed in italics. The changes in boundaries, name, or form of organization that have taken place since 1900 are indicated in the footnotes to the table. For changes between 1890 and 1900 reference must be made to the census report of 1900.

It may be noticed that the county totals as given in Table 1 for 1900 and 1890 sometimes exceed the aggregate population of the minor civil divisions as shown in the table. This is for the most part due to the territorial changes that have been made in the minor civil divisions of certain counties since 1890. In other cases cities returned in 1910 as parts of townships were returned independently in 1900 and 1890, and some townships reported separately at one census were reported in combination with other townships at another census.

Table 2 (p. 582) shows the cities and incorporated towns in California, alphabetically arranged, with their population in 1910, 1900, and 1890.

The population of California, by counties, at each of the last five censuses, from 1870 to 1910, inclusive; the

increase during the last two decades; the density of the total and the rural population at the census of 1910; and the distribution of the population at the last two censuses according to urban and rural districts, are given in Table I of Chapter 2.

The tables and text of the present chapter contain few technical expressions whose meaning is not apparent. The census usage in regard to certain terms is, however, explained below:

**Density of population.**—The density of population of a state or county is obtained by dividing its total population by the number of square miles in its land area. In calculating the density of rural population, the same divisor is used as it is not practicable to ascertain and deduct the exact area covered by the urban districts, and even if this could be done with accuracy the deduction of this area from the total land area would ordinarily make no appreciable difference in the resulting quotient.

**Minor civil divisions.**—The counties are divided generally into smaller political units which bear different designations in the different parts of the country, such as towns, judicial townships, election precincts, etc. Of these minor civil divisions those which rank next to the county as geographic areas are termed primary divisions. In many instances, however, these primary divisions contain political units of still smaller area, such as cities, incorporated villages, towns, or boroughs. These smaller political units are referred to as secondary divisions.

**Urban and rural population defined.**—The Census Bureau, for purposes of discussion, has defined urban population as that residing in cities and other incorporated places of 2,500 inhabitants or more, and rural population as that residing outside of such incorporated places.

The comparisons of the urban and rural population in 1910 with that at earlier enumerations may be made either with respect to the varying proportions of the two classes at successive enumerations or with respect to the increase between enumerations. In order to contrast the *proportion* of the total population living in urban or rural territory at the census of 1910 with the proportion urban or rural at the preceding census, it is necessary to classify the territory according to the conditions as *they existed* at each census. In this comparison a place having less than 2,500 inhabitants in 1900 and

**HISTORICAL NOTE.**—California was named by Spanish discoverers from a fabulous island described in a Spanish romance as “on the right hand of the Indies \* \* \* very near to the Terrestrial Paradise.”

The territory now constituting the state of California was first visited by white men in 1542, when Juan Cabrillo, a Portuguese navigator in the service of Spain, explored the coast and islands in the Santa Barbara region and probably sailed as far north as Monterey Bay. In 1579 Sir Francis Drake sailed along the coast and landed, supposedly at Drake's Bay, a few miles northwest of San Francisco. He named the country New Albion and took possession in the name of Elizabeth of England. The English did not occupy the region, however, and the first settlement was made by the Spaniards, in 1769, when the Franciscan Fathers founded a mission at San Diego. In 1776 the Mission Dolores was established where San Francisco now stands.

California was under Spanish rule until 1822, when, on the successful termination of the Mexican Revolution, it declared its independence of Spain and its allegiance to the newly established Mexican Government.

For several years prior to 1846 large numbers of immigrants from the United States had been arriving in California, and in June of that year a revolt against Mexico was begun by the American settlers. The Mexican War was already in progress, and during July and August, 1846, the American flag was raised at Monterey, San Francisco, Sonoma, Sacramento, San Jose, San Juan Bautista, San Diego, Santa Barbara, San Pedro, and Los Angeles. The final surrender of the Mexican forces to those of the United States took place in January, 1847. In February, 1848, by the treaty of Guadalupe Hidalgo, the Mexican claims to California and to territory north of the Gila and Rio Grande were ceded to the United States.

From 1846 to 1849 California was under military and provisional rule by the United States. In October, 1849, a state constitution was adopted by a convention held at Monterey; in the following month it was ratified by the people, and state officers were elected. On September 9, 1850, California became a state of the Union.

over 2,500 in 1910 is classed with the rural population for 1900 and with the urban for 1910. On the other hand, in order to present fairly the contrast between urban and rural communities, as regards their *rate of growth*, it is necessary to consider the changes in population for the *same* territory which have occurred from one decennial census to another. For this purpose the territory which in 1910 was urban or rural, as the case may be, is taken as the basis, and the population in 1900 for the same territory (so far as separately reported

at that census) is presented, even though part of the territory may, on the basis of its population at the earlier census, have then been in a different class. This avoids the disturbing effect on comparisons which would arise from the passage, for example, of communities formerly classed as rural into the urban group. These two distinct forms of comparison are made in Table I of Chapter 2 for the state as a whole and for each county separately for the last two censuses.

### TOTAL POPULATION, INCREASE, AND DISTRIBUTION.

**Population of the state.**—The population of California is 2,377,549. Compared with a population of 1,485,053 in 1900, this represents an increase during the last decade of 892,496, or 60.1 per cent. During the same period the total population of the United States increased 21 per cent. The percentage of increase for the state during this decade is nearly

three times the rate shown for the preceding decade, 1890–1900.

The following table shows the population of California at each census from 1850 to 1910, inclusive, together with the increase and per cent of increase during each decade, in comparison with the per cent of increase for the United States as a whole.

CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.		Per cent of increase for the United States.
		Number.	Per cent.	
1910.....	2,377,549	892,496	60.1	21.0
1900.....	1,485,053	271,655	22.4	20.7
1890.....	1,213,398	348,704	40.3	25.5
1880.....	864,694	304,447	54.3	30.1
1870.....	560,247	180,253	47.4	22.6
1860.....	379,994	287,397	310.4	35.6
1850.....	92,597			

<sup>1</sup> Includes population (5,268) of Indian reservations specially enumerated.

California was admitted as a state in 1850 and appears in the Federal census reports for the first time in that year. Naturally, its most rapid growth was during the decade immediately following the discovery of gold in the state, which was its first decade of statehood, 1850–1860. The percentage of increase for this decade is more than five times the rate shown for any succeeding decade. Although the growth of the state during the 50 years since 1860 has been much slower than during the decade from 1850 to 1860, it has been substantial, the rates of decennial increase ranging from 22.4 per cent for the decade 1890–1900 to 60.1 per cent for the last decade.

A comparison of the rates of increase for the state with those for the United States, as given in the preceding table, shows that during each decade since 1850 the population of California has increased more rapidly than that of the United States. The difference between the two rates during the decade 1850–1860 was large; and the differences have been moderately large during every decade since then except during the decade 1890–1900, when the two rates approached each other very closely. The population of the state in 1910 was more than twenty-five times as large as in 1850, when the population of the

state was first returned, while the population of the United States in 1910 was a little less than four times that in 1850.

**Principal cities.**—California has 125 cities. San Francisco, the largest city, has a population of 416,912 and Los Angeles, the second city, a population of 319,198. Oakland, with 150,174 inhabitants, is the only other city in the state having over 100,000 inhabitants. There are also 5 cities having from 25,000 to 50,000, 13 from 10,000 to 25,000, 10 from 5,000 to 10,000, 34 from 2,500 to 5,000, and 60 less than 2,500 inhabitants. The aggregate population of the 125 cities is 1,539,144, or 64.7 per cent of the total population of the state.

Table 2 shows the population in 1910 of all the cities of the state with comparative figures, where possible, for 1900 and 1890. The table on page 569 shows the population of the 8 cities having in 1910 over 25,000 inhabitants, as reported at each census since their incorporation either as cities or towns, so far as figures are available, together with the increase during each decade.

Of the cities included in this table, Pasadena shows the highest rate of increase during the last decade, namely, 232.2 per cent, and San Francisco the lowest, 21.6 per cent.

The most rapid growth of San Francisco was during the decades from 1860 to 1880, its population increasing more than fourfold during this period, while during the 30 years since 1880 its population has less than doubled. Its lowest rate of decennial increase was 14.6 per cent for the decade 1890-1900. The next lowest rate, 21.6 per cent, was for the last decade, 1900-1910. Had it not been for the great earthquake and fire of 1906, the growth would probably have been much larger.

Los Angeles, unlike San Francisco, has shown its most rapid growth during the recent decades. For the first decade after its incorporation the percentage of increase was 172.4, this representing, however, an absolute increase of only 2,775. For the next two decades the percentages of increase were much smaller. Since 1890 the population of the city has increased more than sixfold, the absolute increase of the last decade being more than twice the population of the city in 1900 and more than four times its population in 1890.

CITY AND CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.		CITY AND CENSUS YEAR.	Population.	INCREASE OVER PRECEDING CENSUS.	
		Number.	Per cent.			Number.	Per cent.
<b>Berkeley:</b>				<b>Sacramento—Continued.</b>			
1910.....	40,434	27,229	206.0	1890.....	26,386	4,966	23.2
1900.....	13,214	8,113	159.0	1880.....	21,420	5,137	31.6
1890.....	5,101			1870.....	16,283	2,498	18.1
<b>Los Angeles:</b>				1860.....	13,785	6,965	102.1
1910.....	319,198	216,719	211.5	1850.....	6,820		
1900.....	102,479	52,084	103.4	<b>San Diego:</b>			
1890.....	50,395	39,212	350.6	1910.....	39,578	21,878	123.6
1880.....	11,153	5,455	95.2	1900.....	17,700	1,541	9.5
1870.....	5,728	1,343	30.6	1890.....	16,159	13,622	512.8
1860.....	4,385	2,775	172.4	1880.....	2,637	337	14.7
1850.....	1,610			1870.....	2,300	1,609	214.6
<b>Oakland:</b>				1860.....	731		
1910.....	150,174	83,214	124.3	<b>San Francisco:</b>			
1900.....	66,960	18,278	37.5	1910.....	416,912	74,130	21.6
1890.....	48,682	14,127	40.9	1900.....	342,782	43,785	14.6
1880.....	34,555	24,053	239.1	1890.....	298,997	65,038	27.8
1870.....	10,500	8,957	580.5	1880.....	223,959	84,486	66.5
1860.....	1,543			1870.....	149,473	92,671	163.1
<b>Pasadena:</b>				1860.....	56,862		
1910.....	30,291	21,174	232.2	1850 <sup>1</sup> .....			
1900.....	9,117	4,235	86.7	<b>San Jose:</b>			
1890.....	4,882			1910.....	28,946	7,446	34.6
<b>Sacramento:</b>				1900.....	21,500	3,440	19.0
1910.....	44,696	15,414	52.6	1890.....	18,060	5,493	43.7
1900.....	29,282	2,996	11.0	1880.....	12,567	3,478	38.3
				1870.....	9,089		

<sup>1</sup> The returns for 1850 for San Francisco were destroyed by fire; the state census for 1852 reports a population of 34,776.

**Counties.**—California has 58 counties. The population of these counties ranges from 309 in Alpine County to 504,131 in Los Angeles County.

The following territorial changes have been made in the counties of California since 1900: Part of San Diego County was taken to form Imperial County in 1907 and part of Fresno County was annexed to Kings County in 1909.

Owing to the organization since 1900 of one new county from part of another county as shown above, the comparison of increase or decrease in population is made for only 56 counties and one combination of counties. The combined counties are San Diego and Imperial. In order to determine the actual rate of increase for this combination of counties it is necessary to add the population of the new county to that of the old county from which it was formed. Forty-six counties and the one combination of counties increased in population during the last decade. The rates of increase of the 46 counties that show an increase range from four-tenths of 1 per cent in Del Norte County to 196 per cent in Los Angeles County, and the absolute increases of the same group of counties range

from 9 in Del Norte County to 333,833 in Los Angeles County. The combined counties of San Diego and Imperial increased 40,166, or 114.5 per cent. Ten counties have decreased in population during the last decade, the rates of decrease ranging from 5.8 per cent in Mono County to 39.3 per cent in Alpine County, and the absolute decreases from 125 in Mono County to 2,834 in Nevada County. The aggregate increase of population from 1900 to 1910 in the one combination and the 46 counties that show increases is 904,732; the aggregate decrease of population in the 10 counties that show decreases is 12,236. The difference, 892,496, is, of course, the total increase of population in the state.

The maps on page 572 show the increase or decrease in the total and the rural population, respectively, of each county of California during the last decade. In the counties shown in white the population decreased; for the other counties the different rates of increase are indicated by differences in shading.

**Density of population.**—The total land area of the state is 155,652 square miles. The average number of persons to the square mile in 1910 was 15.3; in 1900

and 1890 it was 9.5 and 7.8, respectively. The average number per square mile for the United States as a whole in 1910 was 30.9.

The density of population is given by counties in Table I of Chapter 2 and in the maps on page 573, both for the entire population and for that living in rural territory, excluding in the latter case the population of places of 2,500 or more, but not excluding the land area of such places.

San Bernardino County, with 20,157 square miles, has the largest area. San Francisco County, coextensive with San Francisco city, with 43 square miles and 9,695.6 persons per square mile, has the smallest area and the highest density. Alpine, Inyo, and Mono Counties each average less than 1 person per square mile.

**Minor civil divisions.**—The political divisions into which counties are subdivided are collectively termed "Minor civil divisions." In California the counties

are divided into 578 primary divisions, comprising 576 judicial townships and 2 cities. There are also 196 secondary divisions, comprising 123 cities and 73 towns. These secondary divisions usually form parts of their respective townships, but 10 cities and 1 town are coextensive with the judicial townships in which they are located. Besides these minor civil divisions there are 4 Indian reservations in the state, returned under the counties in which located.

**Urban and rural population compared.**—The following table presents the population of California at the censuses of 1910, 1900, and 1890, respectively, distributed among cities and towns grouped according to specified limits of population, together with the percentage of the total population contained in each group at each of the censuses named. The classification is based upon the population of each place as it existed at each census.

CLASS OF PLACES.	1910		1900		1890		PER CENT OF TOTAL POPULATION.		
	Number of places.	Population.	Number of places.	Population.	Number of places.	Population.	1910	1900	1890
Total population.....		2,377,549		1,485,053		1,213,398	100.0	100.0	100.0
<b>Urban territory.....</b>	<b>70</b>	<b>1,469,739</b>	<b>40</b>	<b>777,699</b>	<b>33</b>	<b>589,464</b>	<b>61.8</b>	<b>52.4</b>	<b>48.6</b>
Cities and towns of—									
100,000 inhabitants or more.....	3	886,284	2	445,261	1	298,997	37.3	30.0	24.6
50,000 to 100,000 inhabitants.....	1	66,960	1	66,960	1	50,385	2.8	4.5	4.2
25,000 to 50,000 inhabitants.....	5	183,945	1	29,282	2	75,068	7.7	2.0	6.2
10,000 to 25,000 inhabitants.....	13	196,701	6	98,854	5	70,626	8.3	6.7	5.8
5,000 to 10,000 inhabitants.....	19	64,163	9	62,977	5	28,124	2.7	4.2	2.3
2,500 to 5,000 inhabitants.....	39	138,701	21	74,365	19	66,254	5.8	5.0	5.5
<b>Rural territory.....</b>		<b>907,810</b>		<b>707,354</b>		<b>623,934</b>	<b>38.2</b>	<b>47.6</b>	<b>51.4</b>
Cities and towns of less than 2,500 inhabitants.....	128	153,052	76	153,052	68	77,645	6.4	6.1	6.4
Other rural territory.....		754,758		616,606		546,291	31.7	41.5	45.0

\* Includes population (5,298) of Indian reservations specially enumerated.

As shown by the above table, the urban territory of the state in 1910—that is, the cities and incorporated towns of 2,500 inhabitants or more—contained 1,469,739 inhabitants, or 61.8 per cent of the total population, while 907,810 inhabitants, or 38.2 per cent, lived in rural territory. The urban territory as it existed in 1900—that is, the cities and incorporated towns then having 2,500 inhabitants or more—contained 777,699 inhabitants, or 52.4 per cent of the total population, while 707,354 inhabitants, or 47.6 per cent, lived in rural territory. There has thus been a considerable increase in the proportion of urban population. For the United States as a whole the urban population constituted 46.3 per cent of the total population in 1910 and 40.5 per cent of the total population in 1900.

In 1910 the combined population of San Francisco, Los Angeles, and Oakland, the three cities having over 100,000 inhabitants each, represented 37.3 per cent of the total population of the state. In 1900 these three cities contributed 34.5 per cent of the total population of the state. At that time, however, Oakland was not in the group of places having over 100,000 inhabitants, for this city did not reach that

figure until some time between 1900 and 1910. The combined population of the remaining urban places, or those containing from 2,500 to 50,000 inhabitants each, in 1910 and 1900, represented 24.5 per cent and 17.9 per cent, respectively, of the total population of the state. In 1890 San Francisco contributed 24.6 per cent of the population of the state and the remaining urban places 23.9 per cent.

The 128 places of less than 2,500 inhabitants each, comprising 60 cities and 68 towns, have an aggregate population of 153,052, or 6.4 per cent of the total population of the state. These places comprise 66 having from 1,000 to 2,500 inhabitants each, with a combined population of 111,155; 47 having from 500 to 1,000 inhabitants each, with a combined population of 36,525; and 15 having less than 500 inhabitants each, with a combined population of 5,372. The population living in unincorporated territory represents 31.7 per cent of the total population of the state.

The above table shows further that in all cities and incorporated towns, including those of less than 2,500 inhabitants, there was in 1910 a population of 1,622,791, or 68.3 per cent of the population of the state. The population of all cities and incorporated towns, as

they existed in 1900, was 868,447, or 58.5 per cent of the population of the state.

Table I of Chapter 2 shows that 26 counties and the one combination of counties had a larger proportion and 1 county a smaller proportion of urban population in 1910 than in 1900, while for 1 county the proportion was the same. Six counties wholly rural in 1900 were partly urban in 1910. Twenty-two counties were wholly rural at both censuses.

In order to compare the *rate of growth* in urban and rural communities it is necessary in each case, as previously explained, to consider the changes in population which have occurred in the *same* territory from one decennial census to another. With this end in view places classed as urban or rural according to their population in 1910 are taken as a basis and the aggregate population in 1910 and in 1900 of the same places is then compared. Thus, as shown in the table in the next column, the total population in 1910 of the cities and towns which at that time had 2,500 inhabitants or more was 1,469,739; in 1900 the total population of these same cities and towns (so far as separately reported) was 810,193. It may be noted that the latter figure exceeds the total population in 1900 of the cities and towns which at that time had over 2,500 inhabitants each, 777,699 (see table on p. 570) by 32,494. The difference is the net result of the passage, since 1900, of certain communities from the rural to the urban class and vice versa, and of annexations of territory during the same period.

A comparison of the total population in 1910 of cities and towns having a population of not less than 2,500 each with the total population of the same places in 1900, as given in the table in the next column, shows an increase of 81.4 per cent. This represents the rate of growth of urban communities as thus defined. During the same period there has been an increase of 34.5 per cent in the population living in rural territory. Urban population thus increased nearly two and one-half times as rapidly as rural. For the United States

as a whole urban population increased 34.9 per cent in the last decade and rural population 11.2 per cent.

As shown by Table I of Chapter 2 there are 15 counties in which the population living in rural territory decreased and 1 county in which there was a decrease in urban population. Nevada was the only county that decreased in population in both urban and rural districts.

In the following table the population for the state as a whole is distributed so as to show, for 1910 and 1900, the combined population of cities having in 1910 100,000 inhabitants or more, the combined population of cities and towns having from 25,000 to 100,000, and from 2,500 to 25,000 inhabitants, respectively, and the population of the remainder of the state.

CLASS OF PLACES.	POPULATION.		INCREASE: 1900-1910	
	1910	1900	Number.	Per cent.
<b>The state.....</b>	<b>2,377,549</b>	<b>1,465,053</b>	<b>892,496</b>	<b>60.1</b>
Urban territory in 1910.....	1,469,739	810,193	659,546	81.4
Cities and towns of—				
100,000 inhabitants or more in 1910.....	886,284	514,008	372,276	72.4
25,000 to 100,000 inhabitants in 1910.....	183,945	90,813	93,132	102.6
2,500 to 25,000 inhabitants in 1910.....	399,510	205,372	194,138	94.5
Remainder of the state.....	907,810	674,960	232,850	34.5

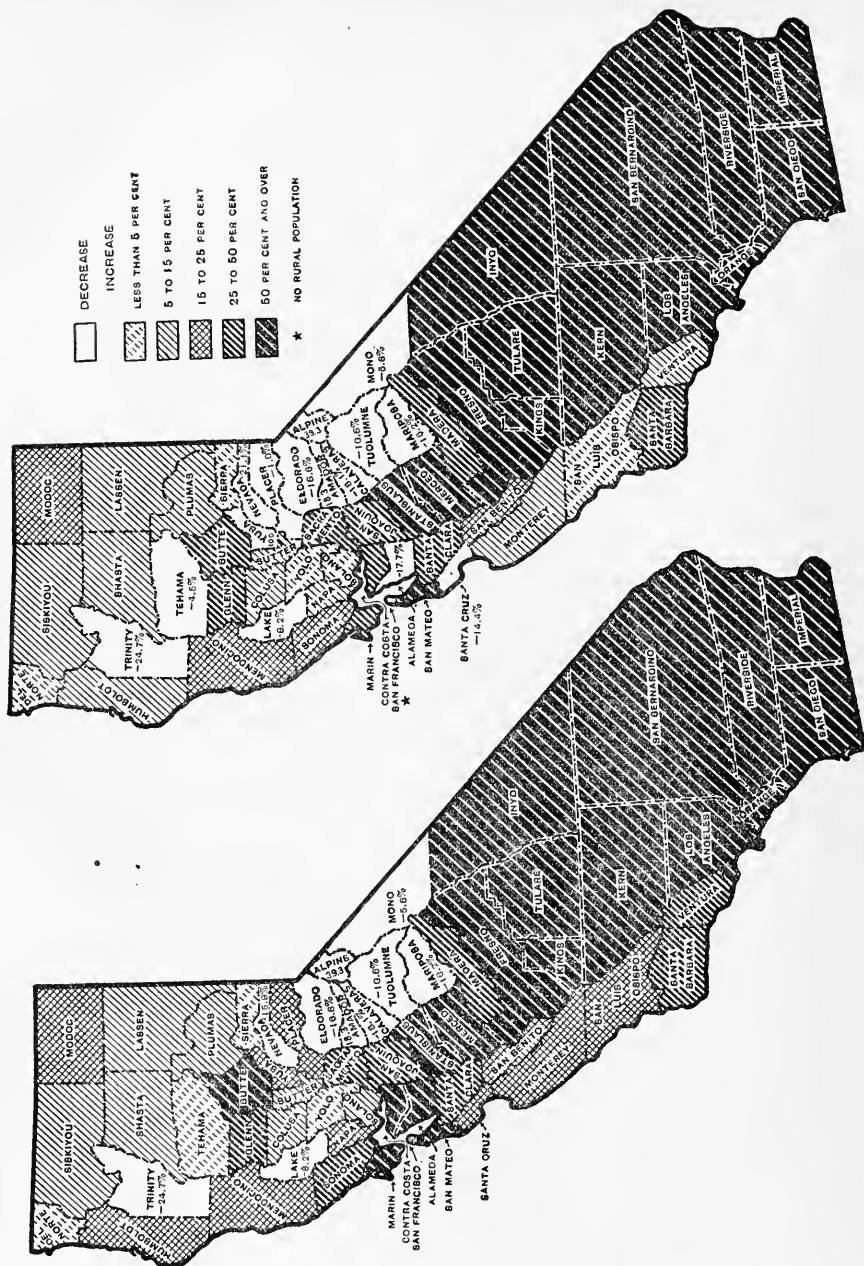
From this table it appears that the population in the group of urban places having 100,000 inhabitants or more increased during the last decade about one and one-fifth times, the group of places having from 25,000 to 100,000 inhabitants about one and two-thirds times, and the group of places having from 2,500 to 25,000 inhabitants about one and one-half times as rapidly as that of the state as a whole. The rate of increase in population for rural territory was a little more than half that of the state as a whole.

It also appears from this table that of the total increase in the population of the state during the decade, namely, 892,496, more than two-fifths was in cities of over 100,000 inhabitants.

In case of decrease the per cent is inserted under the county name.

**TOTAL POPULATION.**

### RURAL POPULATION.



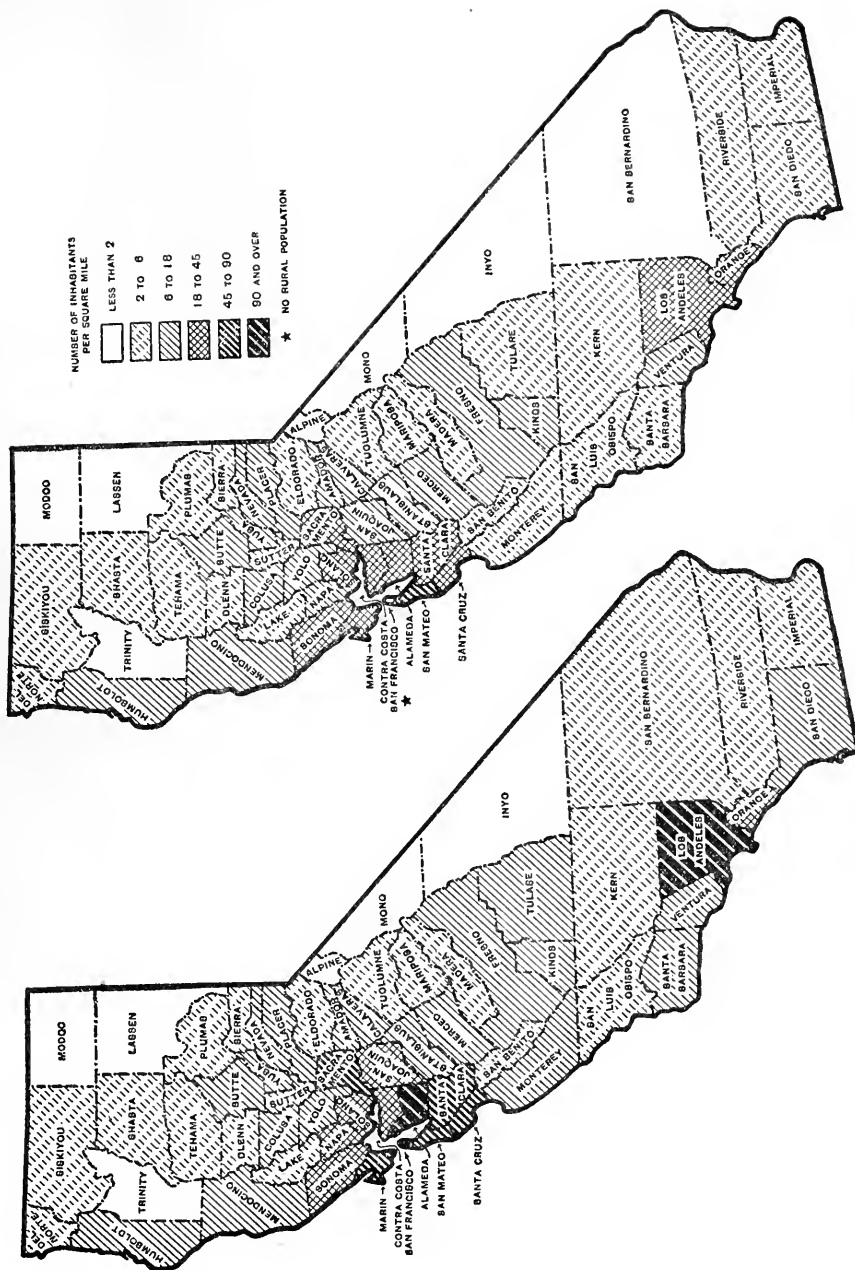
*Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.*



# DENSITY OF POPULATION OF CALIFORNIA, BY COUNTIES: 1910.

TOTAL POPULATION.

RURAL POPULATION.



Rural population is defined as that residing outside of incorporated places having 2,500 inhabitants or more.

TABLE 1.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890.

[Township means judicial township. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census: 1900, Vol. 1, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Alameda County.</b>	<b>246,131</b>	<b>130,197</b>	<b>93,864</b>	<b>Butte County—Continued.</b>			
Alameda township, coextensive with Alameda city.	23,383	16,464	11,165	Concord township.	961	377	459
Alameda city:				Dayton township.	739	469	810
Ward 1.	2,227			Gridley township, including Gridley city.	2,081	1,224	1,323
Ward 2.	2,377			Gridley city. <sup>14</sup>	887	2,070	1,519
Ward 3.	4,873			Hamilton township, including Biggs city.	1,971	2,070	1,519
Ward 4.	4,604			Biggs city. <sup>15</sup>	408		
Ward 5.	2,918			Honcut township.	471	663	852
Ward 6.	5,616			Humboldt township.	119	373	
Ward 7.	1,859			Kinsley township.	1,927	1,242	1,452
Brooklyn township, <sup>1</sup> including ward 7 of Oakland city and part of San Leandro city.	49,140	2,108	2,108	Mountain Spring township.	256	201	426
Oakland city (part of).	48,677			Nelson township.	178	260	232
Total for Oakland city in Brooklyn and Oakland townships.	197,174	68,960	48,682	Opit township, including Oroville city.	4,979	2,804	2,210
Ward 1.	26,977			Oroville city. <sup>16</sup>	1,927	1,242	1,452
Ward 2.	17,659			Oregon township.	526	841	1,010
Ward 3.	15,872			Oro township.	222	554	284
Ward 4.	15,202			Wyandotte township.	643	856	804
Ward 5.	14,631						
Ward 6.	16,586						
Ward 7.	48,677						
San Leandro city (part of).	378						
Total for San Leandro city <sup>2</sup> in Brooklyn and Eden townships.	5,471	2,263		<b>Calaveras County.</b>	<b>9,171</b>	<b>11,200</b>	<b>8,882</b>
Eden township, including Hayward town and part of San Leandro city.	11,515	9,330	7,336	Township 1, San Andreas. <sup>17</sup>	1,120	1,683	1,640
Hayward town.	2,759	1,963	1,419	Township 2, Mokelumne. <sup>18</sup>	1,713	1,971	2,002
San Leandro city (part of).	5,693	2,263		Township 3, Murphys. <sup>17</sup>	1,077	1,563	1,582
Murray township, <sup>3</sup> including Livermore town.	4,137	7,172	5,957	Township 4, Angels. <sup>18</sup>	3,370	4,258	1,950
Livermore town.	2,600	1,428	1,391	Township 5, Jenny Lind. <sup>19</sup>	1,891	1,725	1,758
Oakland township, <sup>4</sup> including Albany Berkeley, and Piedmont cities and Emeryville town, and wards 1 to 6 of Oakland city.	147,199	115,189	112,040				
Albany city. <sup>5</sup>	808						
Berkeley city. <sup>6</sup>	40,274	15,214	6,101	<b>Colusa County.</b>	<b>7,732</b>	<b>27,384</b>	<b>14,640</b>
Precinct 1.	5,169			Arhuckle township.	1,249	1,459	
Precinct 2.	5,183			Colusa township, <sup>21</sup> including Colusa town.	2,518	2,721	
Precinct 3.	851			Colusa town.	1,582	1,447	1,588
Precinct 4.	1,594			Grand Island township.	584	583	
Precinct 5.	5,169			Maxwell township.	864	1,007	
Precinct 6.	2,691			Princeton township. <sup>22</sup>	601		
Precinct 7.	1,774			Stony Ford township.	353	355	
Precinct 8.	1,554			Williams township. <sup>23</sup>	1,468	918	
Precinct 9.	2,808						
Precinct 10.	5,311			<b>Contra Costa County.</b>	<b>31,674</b>	<b>24,048</b>	<b>14,518</b>
Precinct 11.	5,221			Township 1, including Martinez town.	3,072		
Precinct 12.	2,186			Martinez town.	5,115	1,380	1,600
Precinct 13.	2,652			Township 2.	875		
Precinct 14.	1,497			Township 3.	1,309		
Precinct 15.	5,559			Township 4.	1,146		
Precinct 16.	2,136			Township 5, including Concord town.	2,250		
Precinct 17.	2,039			Concord town. <sup>24</sup>	705		
Precinct 18.	1,031			Township 6, including Black Diamond town.	3,626		
Precinct 19.	1,792			Black Diamond town. <sup>25</sup>	5,572		
Emeryville town.	2,613	1,016	258	Township 7.	1,432		
Oakland city (part of).	101,437			Township 8, including Antioch town.	2,199		
Piedmont city. <sup>10</sup>	1,719			Antioch town.	1,124	674	655
Pleasanton township, <sup>8</sup> including Pleasanton town.	2,883			Township 9.	2,075		
Pleasanton town.	1,854	1,109		Township 10.	1,379		
Washington township.	7,874	6,914	5,596	Township 11, including Hercules and Pinole towns.	1,776		
				Hercules town. <sup>26</sup>	279		
<b>Alpine County.<sup>11</sup></b>	<b>309</b>	<b>509</b>	<b>697</b>	Pinole town. <sup>27</sup>	798		
Township 1.	309			Township 12.	2,402		
<b>Amador County.</b>	<b>9,086</b>	<b>11,116</b>	<b>10,320</b>	Township 13.	449		
Township 1, Jackson, including Jackson city.	3,226	3,550	2,622	Township 14.	833		
Jackson city. <sup>12</sup>	2,058			Township 15, coextensive with Richmond city. <sup>28</sup>	6,802		
Township 2, Tione.	1,551	1,772	1,822				
Township 3, Volcano.	1,064	1,094	1,535	<b>Del Norte County.</b>	<b>2,417</b>	<b>2,498</b>	<b>2,592</b>
Township 4, Sutter Creek.	2,047	2,047	2,335	Crescent township, including Crescent City.	1,688	1,137	1,620
Township 5, Plymouth.	1,198	1,453	2,006	Crescent City.	1,114	699	907
				Klamath township.	347	358	293
				Smith River township.	382	913	709
<b>Butte County.</b>	<b>27,301</b>	<b>17,117</b>	<b>17,939</b>				
Bidwell township.	557	384	630	<b>Eldorado County.</b>	<b>7,492</b>	<b>8,988</b>	<b>9,232</b>
Chico township, including Chico city.	11,775	4,739	5,593	Coloma township.	367	450	537
Chico city.	5,769	2,640	2,894	Cosumnes township.	417	571	665
Ward 1.	803			Diamond Springs township.	708	1,096	832
Ward 2.	630			Georgetown township.	599	916	1,031
Ward 3.	735			Greenwood township.	373	459	411
Ward 4.	908			Kelsey township.	226	275	376
Ward 5.	618			Lake Valley township.	169	245	268
				Mountain township.	408	277	446
				Mud Springs township.	840	1,212	1,220
				Placerville township, including Placerville city.	2,775	2,645	2,593
				Placerville city.	1,914	1,748	1,680
				Salmon Falls township.	436		
				White Oak township.	395	405	698

<sup>1</sup> County totals include population (66,960 in 1900; 48,682 in 1890) of Oakland city, returned independently.

<sup>2</sup> Parts annexed to Oakland and San Leandro cities in 1909.

<sup>3</sup> Exclusive of population of Oakland city.

<sup>4</sup> Parts of Brooklyn and Oakland townships annexed in 1909.

<sup>5</sup> Part of Brooklyn township annexed in 1909.

<sup>6</sup> Pleasanton township organized from part of Murray township in 1902.

<sup>7</sup> Parts annexed to Berkeley city in 1906 and 1908 and part annexed to Oakland city in 1909.

<sup>8</sup> Name changed from Ocean View in 1909. Incorporated in 1908.

<sup>9</sup> Parts of Oakland township annexed in 1906 and 1908.

<sup>10</sup> Incorporated in 1907.

<sup>11</sup> County reorganized in 1900.

<sup>12</sup> Incorporated in 1905.

<sup>13</sup> Incorporated in 1903.

<sup>14</sup> Incorporated in 1906.

<sup>15</sup> Returned as township 2 in 1900.

<sup>16</sup> Returned as township 3 in 1900.

<sup>17</sup> Returned as township 4 in 1900.

<sup>18</sup> Returned as township 5 in 1900.

<sup>19</sup> Returned as township 1 in 1900.

<sup>20</sup> County total includes population (341) of Leesville township, annexed to Williams township since 1900.

<sup>21</sup> No comparison of population can be made; county re-districted between 1890 and 1900.

<sup>22</sup> Princeton township organized from part of Colusa township in 1902.

<sup>23</sup> Leesville township annexed in 1901.

<sup>24</sup> No comparison of population can be made; county re-districted in 1910.

<sup>25</sup> Incorporated in 1900.

<sup>26</sup> Incorporated as a city in 1908.

TABLE 1.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890—Continued.

[Township means judicial township. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census: 1900, Vol. I, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Fresno County<sup>1</sup></b> .....	<b>75,657</b>	<b>87,862</b>	<b>32,026</b>	<b>Imperial County—Continued.</b>			
Township 1.....	1,388	1,453	4,568	Holtville township, including Holtville city.....	2,073		
Township 2.....	4,799	2,936	2,930	Holtville city.....	729		
Township 3, including Fresno city.....	32,403	33,640	13,640	Imperial township, including Imperial city.....	2,359		
Fresno city.....	24,898	12,470	10,818	Imperial city.....	1,537		
Ward 1.....	5,677			Laguna township.....	212		
Ward 2.....	5,640			Old Beach township.....	489		
Ward 3.....	5,192			Palo Verde township.....	63		
Ward 4.....	2,080			Picacho township.....	396		
Ward 5.....	5,794			Silsbee township.....	384		
Ward 6.....	2,658						
Ward 7.....	2,790						
Ward 8.....	4,141						
Township 4, including Fowler town.....	5,873	3,236	2,604	<b>Inyo County.....</b>	<b>6,974</b>	<b>4,377</b>	<b>3,544</b>
Fowler town.....	678			Township 1, including Bishop city.....	2,856	1,916	792
Township 5, including Selma town.....	4,843	2,863	2,573	Bishop city.....	1,190		
Selma town.....	1,760	1,083	1,150	Township 2.....	900	1,163	990
Township 6, including Coalinga city.....	7,851	811	834	Township 3.....	701	820	662
Coalinga city.....	4,199			Township 4.....	1,338	478	205
Township 7.....	4,271	3,076	1,351	Township 5.....	1,179		
Township 8.....	3,344	2,379	2,252				
Township 9, including Kingsburg city.....	2,396	1,339	1,265	<b>Kern County.....</b>	<b>37,715</b>	<b>16,480</b>	<b>22,908</b>
Kingsburg city.....	654			Township 1.....	743	1,313	
Township 10.....	1,061	2,132		Township 2, including Tehachapi town.....	1,310	1,187	
Township 11.....	2,641			Tehachapi town.....	558		
Township 12.....	660			Township 3.....	2,756	2,313	
Township 13.....	2,035			Township 4.....	1,026	591	
Township 14.....	1,493			Township 5.....	1,097	1,640	
				Township 6, including Bakersfield city.....	16,451	5,995	
<b>Glenn County.....</b>	<b>7,172</b>	<b>5,150</b>		Bakersfield city.....	12,727	4,838	2,689
Township 1.....	665	610		Precinct 1.....	1,647		
Township 2, including Orland town.....	1,571	839		Precinct 2.....	1,706		
Orland town.....	896			Precinct 3.....	868		
Township 3.....	4,271	578		Precinct 4.....	1,995		
Township 4, including Willows town.....	2,984	1,622		Precinct 5.....	859		
Willows town.....	1,189	893	1,176	Precinct 6.....	1,650		
Township 5.....	743	555		Precinct 7.....	2,446		
Township 6.....	224	279		North precinct.....	2,185		
Township 7.....	540	667		South precinct.....	1,051		
				Township 7.....	206	102	
<b>Humboldt County.....</b>	<b>33,857</b>	<b>27,104</b>	<b>23,469</b>	Township 8.....	253	299	
Briceland township.....	308			Township 9.....	498	509	
Buckport township.....	1,003	1,019	1,312	Township 10.....	3,100	458	
Eureka township, including Eureka city.....	13,764	8,501	7,011	Township 11.....	2,040	1,023	
Eureka city.....	11,845	7,527	4,858	Township 12.....	1,352	1,557	
Ward 1.....	1,796			Township 13.....	1,397		
Ward 2.....	1,854			Township 14.....	424		
Ward 3.....	2,798			Township 15.....	1,972		
Ward 4.....	1,914			Township 16.....	2,480		
Ward 5.....	5,604						
Hidesville township.....	3,006	1,825	1,511	<b>Kings County<sup>1</sup></b> .....	<b>16,230</b>	<b>29,871</b>	
Klamath township.....	768	367	792	Armona township.....	2,177		
Mad River township, including Blue Lake town.....	1,111	1,425	1,303	Corcoran township.....	1,003		
Blue Lake town.....	507			Lemoore township, including Lemoore city.....	3,852	1,772	
Mattole township.....	507	875	529	Lemoore city.....	1,009		
Orleans township.....	265	355	317	Lucerne township, including Hanford city.....	9,188	7,947	
Pacific township, including Ferndale town.....	3,135	3,446	3,120	Hanford city.....	4,959	5,929	4,472
Ferndale town.....	906	818	763				
Rohnerville township, including Fortuna town.....	2,600	2,107	1,665				
Fortuna town.....	883						
South Fork township.....	464	923	955	<b>Lake County.....</b>	<b>5,528</b>	<b>6,017</b>	<b>7,101</b>
Table Bluff township.....	900	926	828	Township 1.....	889	1,156	1,443
Trinidad township.....	1,502	878	483	Township 2.....	820	1,075	1,421
Union township, including Arcata town.....	3,473	2,855	2,984	Township 3.....	1,134	1,351	1,496
Arcata town.....	1,121	968	968	Township 4, including Lakeport town.....	1,465	1,358	1,617
Van Duzen township.....	439	587	659	Lakeport town.....	870	786	991
Hoopa Valley Indian Reservation.....	592	1,112		Township 5.....	1,218	1,074	1,124
<b>Imperial County<sup>10</sup></b> .....	<b>13,591</b>			<b>Lassen County.....</b>	<b>4,802</b>	<b>4,511</b>	<b>4,239</b>
Brawley township, including Brawley city.....	2,218			Township 1, including Susanville town.....	982	1,059	1,110
Brawley city.....	881			Susanville town.....	638		
Calexico township, including Calexico city.....	1,887			Township 2.....	625	602	550
Calexico city.....	1,000			Township 3.....	1,256	1,205	965
El Centro township, including El Centro city.....	2,500			Township 4.....	1,016	926	1,025
El Centro city.....	1,910			Township 5.....	923	689	589
Hanlon township, including Yuma Indian Reservation.....	1,000						
Yuma Indian Reservation.....	689	817					

<sup>1</sup> Part of Fresno County annexed to Kings County in 1909.

<sup>2</sup> County total includes population (398) of old township 11, annexed to township 13 since 1900.

<sup>3</sup> Part taken to form township 11 in 1908 and part annexed to Fresno city in 1910.

<sup>4</sup> Part of township 3 annexed in 1910.

<sup>5</sup> Incorporated in 1908.

<sup>6</sup> Part annexed to Kings County in 1909.

<sup>7</sup> Incorporated in 1906.

<sup>8</sup> Part taken to form township 14 in 1910 and part of township 12 in 1908.

<sup>9</sup> Part taken to form part of township 12 in 1908.

<sup>10</sup> Part taken to form township 13 in 1906.

<sup>11</sup> Organized from part of township 3 in 1908.

<sup>12</sup> Organized from parts of townships 7 and 8 in 1903.

<sup>13</sup> Organized from part of township 9 in 1903 and old township 11 annexed in 1908; part annexed to Kings County in 1909.

<sup>14</sup> Organized from part of township 7 in 1910.

<sup>15</sup> Incorporated in 1909.

<sup>16</sup> Briceland township organized from part of South Fork township in 1902.

<sup>17</sup> Incorporated in 1910.

<sup>18</sup> Organized from part of San Diego County in 1907.

<sup>19</sup> Incorporated in 1904.

<sup>20</sup> County total includes population (895) of old township 2, annexed to township 1 between 1890 and 1900.

<sup>21</sup> Organized since 1900.

<sup>22</sup> No comparison of population can be made; county redistricted between 1890 and 1900.

<sup>23</sup> Township 14 organized from part of township 1 in 1901.

<sup>24</sup> Part of township 3 (Kern city) annexed to Bakersfield city in 1909.

<sup>25</sup> Part taken to form township 13 in 1901.

<sup>26</sup> Township 15 organized from parts of townships 7 and 12 in 1902.

<sup>27</sup> Organized from part of township 5 in 1901; part taken to form township 16 in 1910.

<sup>28</sup> Organized from part of township 13 in 1910.

<sup>29</sup> County total includes population (182) of West End township, annexed to Lemoore township since 1900.

<sup>30</sup> Armona and Corcoran townships organized from parts of Lucerne township in 1903 and 1907, respectively.

<sup>31</sup> West End township annexed in 1902 and territory taken from Fresno County annexed in 1906.

<sup>32</sup> Incorporated in 1900.

TABLE 1.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890—Continued.

[Township means judicial township. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census: 1900, Vol. 1, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Los Angeles County.</b>	<b>504,131</b>	<b>170,298</b>	<b>101,454</b>	<b>Los Angeles County—Continued.</b>			
Antelope township.....	1,047	415	.....	Rowland township, <sup>18</sup> including Covina city.....	3,476	2,051	736
Azusa township, including Azusa city.....	4,154	2,561	1,851	Covina city <sup>19</sup> .....	1,652	.....	.....
Azusa city.....	1,477	803	.....	San Antonio township, including Huntington Park, Vernon, and Watts cities.....	13,673	2,169	3,269
Ballona township, <sup>2</sup> including Inglewood and Ocean Park cities.....	7,249	3,080	4,492	Huntington Park city <sup>1</sup> .....	1,289	.....	.....
Inglewood city <sup>3</sup> .....	1,556	.....	.....	Vernon city <sup>20</sup> .....	772	.....	.....
Ocean Park city <sup>4</sup> .....	5,119	.....	.....	Watts city <sup>21</sup> .....	1,222	.....	.....
Precinct 1.....	629	.....	.....	Sau Fernando township <sup>22</sup> .....	2,134	1,326	1,110
Precinct 2.....	1,452	.....	.....	San Gabriel township, <sup>23</sup> including Alhambra city.....	8,550	2,501	1,713
Precinct 3.....	1,047	.....	.....	Alhambra city <sup>24</sup> .....	5,021	.....	.....
Belvedere township, including Glendale city and part of assembly district 67 of Los Angeles city.....	2,621	.....	.....	San Jose township, including Claremont, Lordsburg, and Pomona cities.....	14,719	7,696	5,010
Burbank township, including Glendale city and part of assembly district 67 of Los Angeles city.....	12,255	3,048	2,996	Claremont city <sup>25</sup> .....	1,114	.....	.....
Glendale city <sup>5</sup> .....	2,746	.....	.....	Lordsburg city <sup>26</sup> .....	954	.....	.....
Los Angeles city (part of).....	860	.....	.....	Pomona city.....	10,207	5,526	5,684
Total for Los Angeles city <sup>6</sup> in Burbank, Culhenga, and Los Angeles townships.....	519,198	102,479	50,395	Ward 1.....	1,736	.....	.....
Assembly district 67.....	1,000	.....	.....	Ward 2.....	1,372	.....	.....
Assembly district 68.....	25,968	.....	.....	Ward 3.....	2,003	.....	.....
Assembly district 69.....	74,851	.....	.....	Ward 4.....	2,211	.....	.....
Assembly district 70.....	57,800	.....	.....	Ward 5.....	2,635	.....	.....
Assembly district 71.....	58,832	.....	.....	Santa Monica township, <sup>27</sup> coextensive with Santa Monica city.....	7,847	5,521	2,327
Assembly district 72.....	58,033	.....	.....	Santa Monica city.....	7,847	5,057	1,680
Assembly district 73.....	58,033	.....	.....	Ward 1.....	1,438	.....	.....
Assembly district 74.....	55,460	.....	.....	Ward 2.....	689	.....	.....
Assembly district 75.....	47,214	.....	.....	Ward 3.....	762	.....	.....
Cahuenga township, <sup>7</sup> including part of assembly district 74 of Los Angeles city.....	7,432	1,586	1,725	Ward 4.....	1,618	.....	.....
Los Angeles city (part of).....	5,765	.....	.....	Ward 5.....	1,581	.....	.....
Calabazas township.....	492	488	440	Ward 6.....	900	.....	.....
Catalina township.....	620	487	.....	Soledad township.....	1,887	984	2,711
Chatsworth Park township <sup>8</sup> .....	299	.....	.....	South Pasadena township, coextensive with South Pasadena city.....	4,649	1,001	623
Compton township, <sup>9</sup> including Compton city.....	3,388	1,683	2,013	South Pasadena city.....	1,278	.....	.....
Compton city.....	922	.....	.....	Precinct 1.....	1,412	.....	.....
Downey township, <sup>10</sup> .....	3,277	4,458	3,638	Precinct 2.....	1,153	.....	.....
El Monte township, <sup>11</sup> including Monrovia city.....	4,648	3,016	2,557	Precinct 3.....	1,153	.....	.....
Monrovia city.....	5,516	1,205	907				
Precinct 1.....	1,334	.....	.....	<b>Madera County.</b>	<b>3,368</b>	<b>4,364</b>	.....
Precinct 2.....	1,041	.....	.....	Township 2.....	779	777	.....
Precinct 3.....	1,158	.....	.....	Township 3, <sup>22</sup> including Madera city.....	4,320	2,175	.....
Fairmont township.....	922	427	721	Madera city <sup>23</sup> .....	2,094	834	.....
Gardena township.....	3,552	.....	.....	Township 4.....	2,148	1,790	.....
Lankershim township.....	848	.....	.....	Township 5.....	1,121	1,044	.....
Lexington township <sup>14</sup> .....	1,886	.....	.....				
Long Beach township, including Long Beach city.....	20,616	3,285	1,051	<b>Marin County.</b>	<b>25,114</b>	<b>15,702</b>	<b>13,072</b>
Long Beach city.....	17,664	2,655	364	Bolinas township.....	548	340	366
Ward 1.....	4,964	.....	.....	Nicasio township.....	479	500	538
Ward 2.....	2,232	.....	.....	Novato township.....	1,101	554	.....
Ward 3.....	5,478	.....	.....	Point Reyes township.....	465	816	770
Ward 4.....	3,021	.....	.....	San Antonio township.....	310	339	337
Ward 5.....	2,068	.....	.....	San Rafael township, including Larkspur, Ross, and San Anselmo towns and San Rafael city.....	13,180	8,008	7,008
Ward 6.....	1,222	.....	.....	Larkspur town <sup>24</sup> .....	594	.....	.....
Los Angeles township, <sup>15</sup> including assembly districts 69 to 73, and 75 and parts of assembly districts 67 and 74 of Los Angeles city.....	313,104	102,479	50,395	Ross town <sup>25</sup> .....	556	.....	.....
Los Angeles city (part of).....	312,633	102,479	50,395	San Anselmo town <sup>26</sup> .....	1,531	.....	.....
Los Nietos township, including Whittier city.....	7,819	4,330	1,836	San Rafael city.....	6,324	8,879	8,880
Whittier city.....	4,550	1,690	585	Precinct 1.....	1,380	.....	.....
Precinct 1.....	1,007	.....	.....	Precinct 2.....	1,340	.....	.....
Precinct 2.....	1,147	.....	.....	Precinct 3.....	812	.....	.....
Precinct 3.....	1,353	.....	.....	Precinct 4.....	1,385	.....	.....
Precinct 4.....	1,158	.....	.....	Precinct 5.....	1,017	.....	.....
Malibu township, <sup>16</sup> including Sawtelle city.....	6,282	.....	.....	Sausalito township, including Belvedere, Mill Valley, and Sausalito towns.....	8,137	3,720	2,403
Sawtelle city <sup>17</sup> .....	2,145	.....	.....	Belvedere town.....	481	454	.....
Precinct 1.....	880	.....	.....	Mill Valley town <sup>27</sup> .....	2,561	.....	.....
Precinct 2.....	1,201	.....	.....	Precinct 1.....	979	.....	.....
Precinct 3.....	62	.....	.....	Precinct 2.....	867	.....	.....
Norwalk township <sup>18</sup> .....	2,484	.....	.....	Precinct 3.....	615	.....	.....
Pasadena township, <sup>19</sup> including Arcadia, Pasadena, and Sierra Madre cities.....	36,195	12,772	7,222	Sausalito town.....	2,353	1,628	1,554
Arcadia city <sup>20</sup> .....	606	.....	.....	Tomasia township.....	1,064	1,145	1,096
Pasadena city <sup>21</sup> .....	50,291	9,117	4,882				
Ward 1.....	6,728	.....	.....	<b>Mariposa County.</b>	<b>3,958</b>	<b>4,720</b>	<b>3,787</b>
Ward 2.....	4,928	.....	.....	Township 1, including Hornitos town.....	622	1,604	670
Ward 3.....	5,065	.....	.....	Hornitos town.....	160	405	476
Ward 4.....	4,064	.....	.....	Township 2.....	779	213	939
Ward 5.....	5,889	.....	.....	Township 3.....	630	794	583
Ward 6.....	3,536	.....	.....	Township 4.....	654	1,069	697
Sierra Madre city <sup>22</sup> .....	1,303	.....	.....	Township 5.....	1,271	1,100	892
Puente township <sup>23</sup> .....	1,030	.....	.....				
Redondo township, including Hermosa Beach and Redondo Beach cities.....	5,016	942	668				
Hermosa Beach city <sup>24</sup> .....	679	.....	.....				
Redondo Beach city.....	5,855	855	608				

<sup>1</sup> County totals include population (2,983 in 1900; 2,340 in 1890) of Wilmington township, part taken to form part of Gardena township and part annexed to Los Angeles city and township since 1900.

<sup>2</sup> Part taken to form part of Gardena township in 1905 and part annexed to Los Angeles city and township in 1906.

<sup>3</sup> Incorporated in 1905.

<sup>4</sup> Incorporated in 1904.

<sup>5</sup> Belvedere township organized from part of San Gabriel township in 1907.

<sup>6</sup> Part annexed to Los Angeles city and township in 1910.

<sup>7</sup> Incorporated in 1906.

<sup>8</sup> Part of Ballona township annexed in 1906, part of Wilmington township (including San Pedro city) annexed in 1909, and parts of Burbank and Cahuenga townships annexed in 1910.

<sup>9</sup> Chatsworth Park and Lankershim townships organized from parts of San Fernando township in 1902 and 1905, respectively.

<sup>10</sup> Part taken to form part of Gardena township in 1905.

<sup>11</sup> Novato township organized from part of Downey township in 1907.

<sup>12</sup> Lexington township organized from part of El Monte township in 1907.

<sup>13</sup> Organized from parts of Ballona, Compton, and Wilmington townships in 1905.

<sup>14</sup> Malibu township organized from part of Santa Monica township in 1909.

<sup>15</sup> Parts of Pasadena township annexed to Pasadena city in 1904 and 1906.

<sup>16</sup> Incorporated in 1903.

<sup>17</sup> Incorporated in 1907.

<sup>18</sup> Puente township organized from part of Rowland township in 1907.

<sup>19</sup> Incorporated in 1901.

<sup>20</sup> Incorporated in 1905.

<sup>21</sup> County total includes population (578) of township 1, annexed to township 3 since 1900.

<sup>22</sup> Township 1 annexed in 1906.

<sup>23</sup> Incorporated in 1900.

TABLE 1.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890—Continued.

[Township means judicial township. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census: 1900, Vol. I, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Mendocino County.</b>	<b>23,922</b>	<b>120,465</b>	<b>117,612</b>	<b>Napa County.</b>	<b>19,800</b>	<b>16,451</b>	<b>16,411</b>
Anderson township.	1,166	1,069	1,061	Hot Springs township, <sup>15</sup> including Calistoga town.	1,349	4,098	4,577
Arena township, including Point Arena city.	1,753	1,853	2,230	Calistoga town.	751	690	719
Point Arena city. <sup>1</sup>	497	2,347	2,450	Knox township.	560	839	719
Big River township.	3,531	2,347	2,450	Napa township, including Napa city.	12,047	8,532	8,788
Culley Cove township.	862	1,100	1,345	Napa city.	8,791	4,036	4,596
Little Lake township, including Willits town.	2,947	952	1,048	Ward 1.	819		
Willits town.	704	833	700	Ward 2.	1,245		
Long Valley township.	704	833	700	Ward 3.	1,453		
Potter Valley township, including Potter Valley town.	694	752	538	Ward 4.	768		
Potter Valley town.	576	563		Ward 5.	1,512		
Round Valley township.	918	933	975	St. Helena township, <sup>16</sup> including St. Helena town.	3,057	1,538	1,706
Sanel township.	752	957	( <sup>2</sup> )	St. Helena town.	2,792	2,982	2,327
Tennille River township, including Fort Bragg city.	3,798	3,134	1,859	Yount township.			
Fort Bragg city.	2,408	1,690	945				
Ward 1.	1,108						
Ward 2.	1,506						
Ukiah township, <sup>3</sup> including Ukiah city.	5,141	3,767	( <sup>3</sup> )				
Ukiah city.	2,136	1,860	1,027				
Westport township.	1,047	1,474	1,414				
Round Valley Indian Reservation.	616	599					
<b>Merced County.</b>	<b>15,148</b>	<b>9,216</b>	<b>8,085</b>	<b>Nevada County.</b>	<b>14,955</b>	<b>17,789</b>	<b>16,789</b>
Township 1.	568	842	1,834	Bloomfield township.	412	730	1,097
Township 2, including Merced city.	5,993	3,705	4,303	Bridgeport township.	543	848	1,053
Merced city.	5,102	1,969	2,009	Eureka township.	283	575	440
Township 3 <sup>4</sup> , including Los Banos city.	3,258	3,258	1,888	Grass Valley township, including Grass Valley city.	6,251	7,043	6,798
Los Banos city.	745			Grass Valley city.	4,520	4,719	( <sup>5</sup> )
Township 4.	669	656		Little York township.	1,179	244	
Township 5.	2,858	779		Meadow Lake township.	2,308	2,059	1,714
Township 6 <sup>5</sup> .	2,366			Nevada township, including Nevada City.	3,968	4,883	4,013
Township 7 <sup>6</sup> .	1,335			Nevada City.	2,639	3,520	2,684
				Rocky River township.	747	1,070	1,131
				Washington township.	283	426	( <sup>6</sup> )
<b>Modoc County.</b>	<b>6,191</b>	<b>5,076</b>	<b>4,986</b>	<b>Orange County.</b>	<b>34,438</b>	<b>19,698</b>	<b>17,589</b>
Adin township.	332	314	870	Anaheim township, including Anaheim town.	4,951	2,261	2,917
Alturas township, <sup>7</sup> including Alturas town.	2,070	1,269	1,145	Anaheim town.	2,628	1,456	1,273
Alturas town.	916			Buena Park township.	1,441	963	
Bidwell township.	605	507		Fullerton township, including Fullerton city.	4,984	1,719	
Canby township. <sup>10</sup>	239			Fullerton city. <sup>10</sup>	1,725		
Cedarville township.	995	731	845	Huntington Beach township, <sup>11</sup> including Huntington Beach city.	1,058		
Dewey township.	472	351		Huntington Beach city. <sup>11</sup>	815		
Goose Lake township. <sup>11</sup>	703	600	( <sup>3</sup> )	Los Alamitos township.	499	258	
Lake City township.	462	434	972	Orange township, including Orange city.	5,430	3,293	2,721
Lookout township.	317	354		Orange city.	1,101	1,616	
				Ward 1.	1,352		
				Ward 2.	1,568		
<b>Mono County.</b>	<b>2,042</b>	<b>2,167</b>	<b>2,002</b>	San Juan township.	967	905	801
Antelope township.	288	324	356	Santa Ana township, including Newport Beach and Santa Ana cities.	11,501	6,680	4,220
Benton township.	3-4	108	295	Newport Beach city. <sup>12</sup>	445		
Bodie township. <sup>13</sup>	698	965	779	Santa Ana city.	8,459	4,933	5,628
Bridgeport township.	312	373	335	Ward 1.	1,758		
Elmer township.	244	307	237	Ward 2.	1,758		
Masonic township. <sup>14</sup>	136			Ward 3.	1,854		
				Ward 4.	1,985		
				Ward 5.	1,761		
<b>Monterey County.</b>	<b>24,146</b>	<b>17,380</b>	<b>18,637</b>	Westminster township. <sup>15</sup>	4,028	3,300	1,854
Allsall township, including Salinas city.	5,076	5,121	3,767	Yorba township.	477	290	
Salinas city.	5,756	5,304	2,559				
Ward 1.	677						
Ward 2.	1,263						
Ward 3.	1,012						
Ward 4.	674						
Bradley township. <sup>16</sup>	1,442	2,051	1,108				
Castroville township.	485	659	933				
Cholama township.	1,305	1,115	1,104				
Gonzales township.	1,305	1,115	1,104				
King City township.	1,305	1,115	1,104				
Monterey township, including Monterey city.	6,833	3,420	4,777				
Monterey city.	4,923	1,748	1,082				
Pacific Grove township, coextensive with Pacific Grove city.	2,384	1,439					
Pacific Grove city.	2,384	1,439	1,558				
Pajaro township.	1,765	1,742	1,428				
Peachtree township.	478	610	1,103				
San Antonio township.	1,314	938	1,117				
San Ardo township. <sup>17</sup>	365						
Soledad township. <sup>18</sup>	1,194	833	1,720				

<sup>1</sup> County totals include population (695 in 1900; 814 in 1890) of Calipatria township, annexed to Ukiah township since 1900, and population (3,158 in 1890) of Sanel and Ukiah townships, not returned separately.

<sup>2</sup> Incorporated in 1905.

<sup>3</sup> Not returned separately in 1890.

<sup>4</sup> Calipatria township annexed in 1907.

<sup>5</sup> Townships 6 and 7 organized from parts of township 3 in 1901 and 1906, respectively.

<sup>6</sup> Incorporated in 1907.

<sup>7</sup> County totals include population (436 in 1900; 429 in 1890) of Hot Springs township, in ten to form part of Canby township; population (450 in 1890) of Tule Lake township, part annexed to Alturas township and part taken to form part of Canby township since 1900; and population (725 in 1890) of Goose Lake and Tule Lake townships, not returned separately.

<sup>8</sup> Parts of Goose Lake and Tule Lake townships annexed in 1903.

<sup>9</sup> Incorporated in 1901.

<sup>10</sup> Organized from Hot Springs township and part of Tule Lake township in 1903.

<sup>11</sup> Part annexed to Alturas township in 1903.

<sup>12</sup> Masonic township organized from part of Bodie township in 1908.

<sup>13</sup> San Ardo township organized from part of Bradley township in 1903.

<sup>14</sup> Boundaries changed since 1900.

<sup>15</sup> St. Helena township organized from part of Hot Springs township in 1903.

<sup>16</sup> County total includes population (1,123) of Little York and Washington townships, not returned separately in 1890.

<sup>17</sup> County total includes population (1,076) of Tustin township, annexed to Santa Ana township between 1890 and 1900.

<sup>18</sup> Incorporated in 1904.

<sup>19</sup> Huntington Beach township organized from part of Westminster township in 1905.

<sup>20</sup> Incorporated in 1909.

<sup>21</sup> Incorporated in 1906.

<sup>22</sup> Returned as a city in 1900.

<sup>23</sup> Incorporated in 1910.

TABLE 1.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890—Continued.

[Township means judicial township. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census: 1900, Vol. I, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Plumas County</b> .....	<b>5,289</b>	<b>4,657</b>	<b>4,933</b>	<b>San Bernardino County—Continued.</b>			
Beckworth township.....	1,315	796	574	Chino township, including Chino city.....	2,862	1,607	.....
Goodwin township.....	294	398	453	Chino city <sup>1</sup> .....	1,444	.....	.....
Indian township.....	1,223	1,200	1,288	Colton township, including Colton city.....	4,556	1,961	.....
Mineral township.....	437	411	496	Colton city.....	5,980	1,836	1,376
Plumas township.....	854	748	818	Cucamonga township.....	2,348	1,138	.....
Quartz township.....	750	553	935	Dale township <sup>11</sup> .....	41	63	.....
Seveca township.....	346	491	394	Hart township <sup>11</sup> .....	40	.....	.....
				Hesperia township.....	62	170	.....
<b>Riverside County</b> .....	<b>34,696</b>	<b>17,897</b>		Highland township.....	3,829	1,906	.....
Beaumont township.....	1,113	346	.....	Keiso township <sup>12</sup> .....	136	.....	.....
Bergand township <sup>1</sup> .....	326	170	.....	Ludlow township <sup>12</sup> .....	255	.....	.....
Elsinore township, including Elsinore city.....	380	385	.....	Mission township <sup>12</sup> .....	1,811	.....	.....
Elsinore city.....	960	646	.....	Needles township <sup>12</sup> .....	3,067	1,145	.....
Hemet township, including Hemet city.....	453	279	.....	Ontario township, <sup>14</sup> including Ontario city.....	4,639	2,649	.....
Hemet city <sup>1</sup> .....	2,392	904	.....	Ontario city.....	4,274	722	883
Highgrove township <sup>4</sup> .....	592	.....	.....	One Grand township <sup>15</sup> .....	280	.....	.....
Indio township <sup>4</sup> .....	1,187	925	.....	Redlands township, including Redlands city.....	11,448	5,665	.....
Indio city.....	899	237	.....	Redlands city.....	10,449	4,797	1,904
Moreno township.....	523	644	.....	Precinct 1.....	1,094	.....	.....
Murrieta township.....	765	764	.....	Precinct 2.....	1,191	.....	.....
Palo Verde township <sup>5</sup> .....	557	.....	.....	Precinct 3.....	1,068	.....	.....
Perris township.....	1,454	1,381	.....	Precinct 4.....	1,360	.....	.....
Riverside township, including Riverside city.....	15,718	8,103	.....	Precinct 5.....	1,112	.....	.....
Riverside city.....	16,812	7,973	4,638	Precinct 6.....	767	.....	.....
Ward 1.....	1,792	.....	.....	Precinct 7.....	615	.....	.....
Ward 2.....	2,732	.....	.....	Precinct 8.....	1,084	.....	.....
Ward 3.....	2,827	.....	.....	Precinct 9.....	1,128	.....	.....
Ward 4.....	5,056	.....	.....	Precinct 10.....	1,533	880	.....
Ward 5.....	2,076	.....	.....	San Bernardino township, <sup>16</sup> including San Bernardino city.....	14,648	8,658	.....
Ward 6.....	2,869	.....	.....	San Bernardino city.....	12,779	6,160	4,012
San Geronimo township <sup>6</sup> .....	1,380	356	.....	Ward 1.....	1,469	.....	.....
San Jacinto township, including San Jacinto city.....	1,267	854	.....	Ward 2.....	1,993	.....	.....
San Jacinto city.....	638	535	661	Ward 3.....	2,594	.....	.....
Temescal township, including Corona city.....	4,374	1,949	.....	Ward 4.....	2,279	.....	.....
Corona city.....	5,640	1,454	.....	Ward 5.....	4,077	.....	.....
Thermal township <sup>7</sup> .....	632	.....	.....	Silver Lake township <sup>17</sup> .....	135	.....	.....
West Riverside township <sup>7</sup> .....	762	.....	.....	Upland township, <sup>18</sup> including Upland city.....	2,554	.....	.....
				Upland city.....	2,354	.....	.....
<b>Sacramento County</b> .....	<b>67,806</b>	<b>45,915</b>	<b>40,338</b>	Vanderbilt township <sup>19</sup> .....	1,449	325	.....
Alabama township.....	598	412	414	Victor township <sup>19</sup> .....	580	645	.....
American township.....	169	159	645	Yermo township <sup>19</sup> .....	178	.....	.....
Brighton township.....	2,905	1,402	1,282				
Center township.....	451	417	333	<b>San Diego County</b> .....	<b>61,685</b>	<b>35,090</b>	<b>34,987</b>
Consumers township.....	262	358	443	Alpine township.....	412	.....	.....
Dry Creek township.....	906	750	863	Bonsall township.....	236	.....	.....
Franklin township.....	2,645	1,980	1,885	Campo township.....	639	.....	.....
Georgiana township.....	2,075	1,311	1,311	Coronado township, including Coronado city.....	1,482	.....	.....
Granite township.....	2,505	1,940	1,970	Coronado city.....	1,477	936	.....
Lee township.....	438	404	541	Dehesa township.....	160	.....	.....
Mississippi township.....	1,225	630	316	Del Mar township.....	536	.....	.....
Natoma township.....	1,208	200	318	El Cajon township <sup>21</sup> .....	1,070	.....	.....
Riverside township <sup>8</sup> .....	1,780	386	.....	Encinitas township.....	3,437	.....	.....
Sacramento city.....	44,696	29,282	26,386	Escondido township, including Escondido city.....	3,473	.....	.....
Ward 1.....	2,830	.....	.....	Escondido city.....	1,354	755	641
Ward 2.....	4,656	.....	.....	Fallbrook township.....	816	.....	.....
Ward 3.....	4,466	.....	.....	Jarmul township.....	608	.....	.....
Ward 4.....	8,896	.....	.....	Julian township.....	608	.....	.....
Ward 5.....	5,346	.....	.....	Lakeside township <sup>21</sup> .....	728	.....	.....
Ward 6.....	4,970	.....	.....	Lemon Grove township.....	825	.....	.....
Ward 7.....	6,044	.....	.....	Mesa Grande township.....	485	.....	.....
Ward 8.....	6,671	.....	.....	Mission township.....	2,411	.....	.....
Ward 9.....	5,411	.....	.....	National township, including National City.....	2,998	.....	.....
San Joaquin township.....	2,236	1,289	1,383	National City.....	1,753	1,086	1,583
Sutter township.....	5,037	3,995	2,096	Otay township.....	1,206	.....	.....
				Pala township.....	354	.....	.....
<b>San Benito County</b> .....	<b>8,041</b>	<b>6,633</b>	<b>6,412</b>	Palomar township.....	134	.....	.....
Hollister township, including Hollister town.....	4,390	3,118	2,700	Ramona township.....	849	.....	.....
Hollister town.....	2,308	1,715	1,284	San Diego township, coextensive with San Diego city.....	39,578	17,700	.....
Panache township.....	435	461	.....	San Diego city.....	39,578	17,700	16,169
San Benito township.....	822	848	1,126	Ward 1.....	8,630	.....	.....
San Juan township, including San Juan town.....	1,398	1,308	1,112	Ward 2.....	418	.....	.....
San Juan town.....	326	449	469	Ward 3.....	2,354	.....	.....
Tres Pinos township.....	796	868	1,471	Ward 4.....	4,948	.....	.....
				Ward 5.....	3,110	.....	.....
<b>San Bernardino County</b> .....	<b>56,706</b>	<b>27,929</b>	<b>25,487</b>	Ward 6.....	2,076	.....	.....
Barstow township <sup>10</sup> .....	1,066	.....	.....	Ward 7.....	5,458	.....	.....
Belleville township <sup>10</sup> .....	374	972	.....	Ward 8.....	4,687	.....	.....
Calzona township <sup>11</sup> .....	97	.....	.....	Ward 9.....	6,155	.....	.....

<sup>1</sup> County total includes population (203) of Mission Indian Reservation, returned independently in 1900.

<sup>2</sup> Returned as Winchester in 1900.

<sup>3</sup> Incorporated in 1910.

<sup>4</sup> Name changed from Union in 1910. Part taken to form West Riverside township in 1902.

<sup>5</sup> Returned as Gorgonio in 1900.

<sup>6</sup> Organized from part of Highgrove township in 1902.

<sup>7</sup> Riverside township organized from part of Sutter township in 1909.

<sup>8</sup> No comparison of population for 1890 can be made; information as to changes in minor civil divisions incomplete.

<sup>9</sup> Barstow, Ludlow, Silver Lake, and Yermo townships organized from parts of Belleville township in 1900, 1902, 1907, and 1908, respectively.

<sup>11</sup> Calzona township organized from parts of Dale and Needles townships in 1909.

<sup>12</sup> Hart and Keiso townships organized from parts of Vanderbilt township in 1908.

<sup>13</sup> Mission township organized from part of San Bernardino township in 1908.

<sup>14</sup> Part taken to form Upland township in 1900 and part annexed to Ontario city in 1901.

<sup>15</sup> Part of Ontario township annexed in 1901.

<sup>16</sup> Oro Grande township organized from part of Victor township in 1908.

<sup>17</sup> Organized from part of Ontario township in 1906.

<sup>18</sup> Incorporated in 1906.

<sup>19</sup> Part taken to form Imperial County in 1907.

<sup>20</sup> No comparison of population for 1890 can be made; county redistricted in 1907.

<sup>21</sup> Lakeside township organized from part of El Cajon township in 1910.

TABLE 1.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890—Continued.

[Township means judicial township. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census: 1900, Vol. I, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>San Francisco County</b> .....	<b>416,912</b>	<b>342,782</b>	<b>288,997</b>	<b>Santa Barbara County—Continued.</b>			
San Francisco city, coextensive with San Francisco County.....	416,912	342,782	288,997	Township 4.....	1,388	1,725	1,045
<i>San Francisco city:</i>				Township 5, including Lompoc town.....	2,984	2,428	2,330
Assembly district 28.....	11,572			<i>Lompoc town.</i> .....	1,482	872	1,016
Assembly district 29.....	5,837			Township 6.....	1,164	583	630
Assembly district 30.....	7,558			Township 7, including Santa Maria city.....	3,377	2,301	1,880
Assembly district 31.....	18,787			<i>Santa Maria city:</i> <sup>1</sup> .....	2,600		
Assembly district 32.....	31,879			Ward 1.....	757		
Assembly district 33.....	44,068			Ward 2.....	491		
Assembly district 34.....	36,970			Ward 3.....	1,002		
Assembly district 35.....	22,388			Township 8.....	859	575	775
Assembly district 36.....	12,844			Township 9.....	895	764	
Assembly district 37.....	35,860			Township 10.....	1,056		
Assembly district 38.....	27,925						
Assembly district 39.....	61,664			<b>Santa Clara County.</b>	<b>83,539</b>	<b>60,218</b>	<b>48,005</b>
Assembly district 40.....	25,076			Almaden township.....	755	1,599	1,332
Assembly district 41.....	25,372			Alviso township, coextensive with Alviso town.....	402	529	967
Assembly district 42.....	8,810			<i>Alviso town.</i> .....	402		
Assembly district 43.....	9,979			Burnett township, including Morgan Hill town.....	2,250	1,397	659
Assembly district 44.....	21,807			<i>Morgan Hill town.</i> .....	1,007		
Assembly district 45.....	22,806			Campbell township <sup>12</sup> .....	1,992		
				Fremont township, <sup>13</sup> including Mountain View town.....	3,267	2,402	1,536
<b>San Joaquin County</b> .....	<b>60,731</b>	<b>35,462</b>	<b>28,629</b>	<i>Mountain View town.</i> .....	1,161		
Castoria township <sup>1</sup> .....	2,048	1,487	1,320	Gilroy township, including Gilroy city.....	5,039	4,003	3,268
Dent township <sup>1</sup> .....	1,985	1,240	1,011	<i>Gilroy city.</i> .....	2,437	1,820	1,694
Douglas township <sup>1</sup> .....	1,405	1,345	1,506	Ward 1.....	1,871		
Elkhorn township, including Lodi city.....	5,965	2,427	2,267	Ward 2.....	1,166		
<i>Lodi city.</i> <sup>2</sup> .....	2,697			Mayfield township, including Mayfield town.....	2,224	1,279	1,100
Elliott township.....	1,545	1,576	1,765	<i>Mayfield town.</i> <sup>13</sup> .....	1,041		
Liberty township.....	1,224	577	636	Milpitas township.....	1,684	1,223	1,150
O'Neal township.....	9,116	4,856	3,287	Palo Alto township, coextensive with Palo Alto city <sup>14</sup> .....	4,486	1,658	
Stockton township, coextensive with Stockton city.....	23,253	17,506	14,424	Redwood township, including Los Gatos town.....	4,299	3,510	2,978
<i>Stockton city:</i>				<i>Los Gatos town.</i> .....	2,232	1,916	1,662
Ward 1.....	6,850			San Jose township, including East San Jose town and San Jose city.....	43,767	31,987	26,508
Ward 2.....	6,035			<i>East San Jose town.</i> <sup>15</sup> .....	1,661		
Ward 3.....	4,194			<i>San Jose city.</i> .....	28,936	21,600	18,060
Ward 4.....	6,576			Ward 1.....	8,701		
Tulare township.....	3,321	2,797	1,401	Ward 2.....	8,401		
Union township.....	849	1,641	872	Ward 3.....	9,097		
				Ward 4.....	7,817		
<b>San Luis Obispo County</b> .....	<b>19,383</b>	<b>16,637</b>	<b>16,072</b>	Santa Clara township, <sup>16</sup> including Santa Clara town.....	9,759	9,240	6,577
Arroyo Grande township.....	3,646	3,319	3,434	<i>Santa Clara town.</i> .....	4,518	5,660	2,891
Cholame township.....	419	544	806	Saratoga township.....	1,756	1,389	1,330
Morro township.....	2,555	1,812	1,817	Sunnyvale township <sup>17</sup> .....	1,829		
Nipomo township.....	1,348	926					
Paso Robles township, <sup>18</sup> including Paso Robles city.....	2,382	2,411	1,524	<b>Santa Cruz County</b> .....	<b>28,140</b>	<b>21,612</b>	<b>19,270</b>
<i>Paso Robles city.</i> .....	1,440	1,237		Aptos township <sup>19</sup> .....	961		
Pozo township <sup>19</sup> .....	354	512	810	Boulder Creek township, <sup>20</sup> including Boulder Creek town.....	1,015		
Salinas township.....	877	943	1,728	<i>Boulder Creek town.</i> .....	1,486	2,619	2,097
San Luis Obispo township, including San Luis Obispo city.....	5,336	3,216	3,359	Felton township <sup>21</sup> .....	1,104		
<i>San Luis Obispo city.</i> .....	6,157	3,021	2,895	Branciforte township, including ward 7 and part of ward 6 of Santa Cruz city.....	4,064	2,618	2,438
San Miguel township.....	830	1,022	1,063	<i>Santa Cruz city (part of).</i> .....	5,786		
San Simion township.....	1,028	1,036	931	<i>Total for Santa Cruz city in Branciforte and Santa Cruz townships.</i> .....	11,145	6,659	6,596
Santa Margarita township.....	918	896		Ward 1.....	1,514		
				Ward 2.....	1,486		
<b>San Mateo County.</b>	<b>26,685</b>	<b>12,094</b>	<b>10,087</b>	Ward 3.....	2,609		
Township 1, including South San Francisco city.....	9,173	2,452	1,828	Ward 4.....	1,800		
<i>South San Francisco city.</i> <sup>22</sup> .....	1,939			Ward 5.....	1,038		
Township 2, including Burlingame town and San Mateo city.....	8,659	3,298	2,005	Ward 6.....	1,807		
<i>Burlingame town.</i> <sup>23</sup> .....	1,665			Ward 7.....	1,682		
<i>San Mateo city.</i> .....	4,584	1,882		Santa Cruz township, including wards 1 to 5, and part of ward 6 of Santa Cruz city.....	9,457	2,571	2,736
Township 3, including Redwood city.....	5,314	3,953	3,744	<i>Santa Cruz city (part of).</i> .....	4,440		
<i>Redwood city.</i> .....	1,658	1,172		Sequel township <sup>24</sup> .....	1,781	2,987	2,852
Township 4.....	2,148	1,323	1,495	Watsonville township, <sup>25</sup> including Watsonville city.....	7,758	7,058	4,821
Township 5.....	1,016	1,008	1,015	<i>Watsonville city.</i> .....	4,440	5,683	2,140
				Ward 1.....	1,178		
<b>Santa Barbara County</b> .....	<b>27,738</b>	<b>18,934</b>	<b>15,754</b>	Ward 2.....	1,312		
Township 1.....	2,477	2,171	1,683	Ward 3.....	918		
Township 2, coextensive with Santa Barbara city.....	11,659	6,587	5,864	Ward 4.....	1,008		
<i>Santa Barbara city:</i>							
Ward 1.....	1,653			<b>Shasta County</b> .....	<b>18,920</b>	<b>17,318</b>	<b>12,133</b>
Ward 2.....	1,749			Township 1, Shasta.....	539	1,191	
Ward 3.....	670			Township 2, Redding, including Redding city.....	3,972	3,301	
Ward 4.....	1,971			<i>Redding city.</i> .....	3,522	2,845	1,881
Ward 5.....	1,634			Township 3, Keswick, including Keswick town.....	1,437	2,221	
Ward 6.....	1,619			<i>Keswick town.</i> <sup>26</sup> .....	606		
Ward 7.....	2,806			Township 4, 1890.....	710	918	
Township 3.....	1,895	2,100	1,547				

<sup>1</sup> Parts of Dent township annexed to Castoria and Douglas townships in 1907.<sup>2</sup> Incorporated in 1905.<sup>3</sup> Part of Tulare township annexed to O'Neal township in 1904.<sup>4</sup> Name changed from Hot Springs in 1902.<sup>5</sup> Name changed from San Jose in 1902.<sup>6</sup> Incorporated in 1908.<sup>7</sup> Township 10 organized from part of township 7 in 1906.<sup>8</sup> Incorporated in 1903.<sup>9</sup> Part of Alviso township annexed to Milpitas township in 1905.<sup>10</sup> Campbell township organized from part of Santa Clara township in 1909.<sup>11</sup> Sunnyvale township organized from part of Fremont township in 1909.<sup>12</sup> Incorporated in 1902.<sup>13</sup> Incorporated in 1903.<sup>14</sup> Incorporated as a city in 1909.<sup>15</sup> County totals include population (5,659 in 1900; 5,396 in 1890) of Santa Cruz city, returned independently.<sup>16</sup> Aptos and Sequel townships returned as Sequel township in 1900.<sup>17</sup> Boulder Creek and Felton townships returned as San Lorenzo township in 1900.<sup>18</sup> Exclusive of population of Santa Cruz city.<sup>19</sup> Returned as Pajaro in 1890.<sup>20</sup> No comparison of population can be made; county redistricted between 1890 and 1900.<sup>21</sup> Incorporated in 1910.

TABLE 1.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890—Continued.

[Township means judicial township. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census, 1900, Vol. I, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Shasta County—Continued.</b>				<b>Sonoma County.....</b>	<b>49,394</b>	<b>38,480</b>	<b>32,721</b>
Township 5, Harrison Gulch.....	383	570	.....	Analy township, including Sebastopol town.....	5,681	3,526	2,709
Township 6, Anderson.....	1,801	1,610	.....	Sebastopol town <sup>1</sup> .....	1,233	.....	.....
Township 7, Shingletown.....	782	1,107	.....	Ward 1.....	677	.....	.....
Township 8, Millville.....	679	755	.....	Ward 2.....	686	.....	.....
Township 9, Round Mountain.....	815	864	.....	Bodega township.....	1,553	1,499	1,558
Township 10, Burney Valley.....	543	736	.....	Cloverdale township, including Cloverdale town.....	1,733	1,661	1,654
Township 11, Fall River.....	831	934	.....	Cloverdale town.....	322	707	708
Township 12, Buckeye.....	1,479	1,582	.....	Glen Ellen township <sup>16</sup> .....	1,705	.....	.....
Township 13, Sacramento River.....	1,078	1,075	.....	Knight's Valley township.....	398	525	418
Township 14, French Gulch.....	735	414	.....	Mendocino township, including Healdsburg city.....	4,376	4,313	3,469
Township 15, Delta.....	2,786	.....	.....	Healdsburg city.....	6,011	1,869	1,486
<b>Sierra County.....</b>	<b>4,098</b>	<b>2,4017</b>	<b>2,5051</b>	Ocean township.....	842	780	967
Butte township <sup>1</sup> .....	385	1,296	1,973	Petaluma township, including Petaluma city.....	8,787	5,814	5,304
Downville township <sup>2</sup> .....	751	.....	.....	Petaluma city.....	6,880	5,671	5,693
Forest township <sup>3</sup> .....	725	712	.....	Precinct 1.....	607	.....	.....
Sierra No. 1 township <sup>4</sup> .....	585	.....	.....	Precinct 2.....	729	.....	.....
Sierra No. 2 township, <sup>5</sup> including Loyaltown town.....	1,261	.....	.....	Precinct 3.....	1,500	.....	.....
Loyalton town <sup>6</sup> .....	835	.....	.....	Precinct 4.....	887	.....	.....
Table Rock township <sup>7</sup> .....	391	199	280	Precinct 5.....	891	.....	.....
<b>Siskiyou County.....</b>	<b>18,501</b>	<b>16,962</b>	<b>12,163</b>	Precinct 6.....	882	.....	.....
Butte township, including Sisson town.....	1,188	1,639	1,304	Precinct 7.....	918	.....	.....
Sisson town <sup>10</sup> .....	636	.....	.....	Redwood township.....	980	1,387	1,373
Ward 1.....	476	.....	.....	Russian River township.....	1,099	1,625	1,219
Ward 2.....	161	.....	.....	Salt Point township.....	865	869	952
Callahan township.....	510	567	448	Santa Rosa township, including Santa Rosa city.....	13,560	10,985	8,620
Edgewood township.....	2,267	1,386	710	Santa Rosa city.....	7,817	6,673	6,680
Etna township, including Etna town.....	1,099	1,069	782	Ward 1.....	1,216	.....	.....
Etna town.....	618	600	671	Ward 2.....	1,662	.....	.....
Greenville township <sup>11</sup> .....	602	.....	.....	Ward 3.....	1,197	.....	.....
Happy Camp township.....	377	483	403	Ward 4.....	897	.....	.....
Lake township, including Dorris town.....	2,131	767	722	Ward 5.....	1,373	.....	.....
Dorris town <sup>12</sup> .....	708	1,086	798	Ward 6.....	1,475	.....	.....
Liberty township <sup>13</sup> .....	2,071	1,254	1,173	Sonoma township, <sup>14</sup> including Sonoma town.....	2,767	3,172	2,580
Mott township, including Dunsuir town.....	1,719	1,300	.....	Sonoma town.....	667	652	567
Dunsuir town <sup>14</sup> .....	278	525	1,162	Vallejo township.....	2,071	1,671	1,347
Oak Bar township.....	389	508	613	Washington township.....	1,149	783	641
Scott Valley township, <sup>15</sup> including Fort Jones town.....	798	1,890	1,128	<b>Stanislaus County.....</b>	<b>22,622</b>	<b>9,580</b>	<b>10,040</b>
Fort Jones town.....	816	886	826	La Grange township.....	552	586	2,644
Somes Bar township <sup>16</sup> .....	248	.....	.....	Modesto township, including Modesto city.....	7,288	2,989	3,432
Squaw Valley township.....	2,061	1,101	70	Modesto city.....	4,054	2,084	2,108
Table Rock township, including Montague town.....	651	1,183	1,231	Newman township, including Newman town.....	2,837	1,760	1,588
Montague town <sup>17</sup> .....	874	.....	.....	Newman town.....	692	.....	.....
Yreka township, including Yreka town.....	2,556	2,235	1,719	Oakdale township, including Oakdale city.....	2,455	2,531	2,406
Yreka town.....	1,184	1,264	1,100	Oakdale city.....	1,075	.....	.....
Ward 1.....	629	.....	.....	Turlock township, including Turlock city.....	6,180	946	.....
Ward 2.....	606	.....	.....	Turlock city.....	1,673	.....	.....
<b>Solano County.....</b>	<b>27,659</b>	<b>24,143</b>	<b>20,946</b>	Waterford township.....	1,183	738	.....
Benicia township, including Benicia city.....	2,739	3,174	2,961	<b>Sutter County.....</b>	<b>6,328</b>	<b>5,886</b>	<b>5,469</b>
Benicia city.....	2,920	2,761	2,567	Butte township.....	883	1,001	977
Denvertown township.....	260	280	321	Nicolas township.....	905	921	1,086
Elmira township.....	494	717	869	Sutter township.....	1,501	1,371	1,342
Green Valley township.....	960	757	774	Vernon township.....	1,192	1,105	983
Maine Prairie township.....	205	282	274	Yuba township, including Yuba City town.....	1,847	1,488	1,071
Montezuma township.....	481	429	494	Yuba City town <sup>18</sup> .....	1,160	.....	.....
Rio Vista township, including Rio Vista town.....	1,628	1,500	1,236	<b>Tehama County.....</b>	<b>11,401</b>	<b>10,996</b>	<b>9,916</b>
Rio Vista town.....	684	652	648	Corning township, including Corning city.....	2,555	2,269	1,280
Sliverville township, including Dixon town.....	1,853	1,586	1,879	Corning city <sup>19</sup> .....	872	.....	.....
Dixon town.....	827	783	1,082	Cottonwood township.....	439	479	619
Suisun township, including Fairfield and Suisun City towns.....	3,423	2,158	2,140	Paskenta township.....	517	836	813
Fairfield town.....	641	685	499	Red Bluff township, including Red Bluff city.....	5,210	4,583	4,285
Suisun City town.....	373	403	440	Red Bluff city.....	6,830	2,760	2,608
Tremont township.....	3,005	4,100	2,712	Ward 1.....	761	.....	.....
Vacaville township, including Vacaville town.....	1,177	1,280	.....	Ward 2.....	1,169	.....	.....
Vacaville town.....	12,138	8,697	6,866	Ward 3.....	728	.....	.....
Vallejo township, including Vallejo city.....	11,540	7,968	6,343	Ward 4.....	777	.....	.....
Vallejo city.....	6,739	.....	.....	Sierra township.....	1,126	1,192	829
Ward 1.....	4,864	.....	.....	Tehama township, including Tehama town.....	851	920	864
Ward 2.....	688	.....	.....	Tehama town <sup>20</sup> .....	841	707	1,226
Ward 3.....	.....	.....	.....	Vina township.....	703	747	.....

<sup>1</sup> Township 15 organized from part of township 13 in 1904.<sup>2</sup> County totals include population (221 in 1900; 177 in 1890) of Gibson township and population (327 in 1900; 469 in 1890) of Sears township, annexed to Table Rock township; population (215 in 1900; 349 in 1890) of Lincoln township, part taken to form part of Downville township and part annexed to Forest township; population (117 in 1900; 168 in 1890) of Oneida township, taken to form part of Sierra No. 2 township; and population (930 in 1900; 962 in 1890) of Sierra township, taken to form Sierra No. 1 township and part of Sierra No. 2 township, since 1900.<sup>3</sup> Part taken to form part of Downville township in 1904.<sup>4</sup> Organized from parts of Butte, Forest, and Lincoln townships in 1901.<sup>5</sup> Part taken to form part of Downville township in 1901; part of Lincoln township annexed in 1901.<sup>6</sup> Organized from part of Sierra township in 1901.<sup>7</sup> Organized from Oneida township and part of Sierra township in 1901.<sup>8</sup> Incorporated in 1901.<sup>9</sup> Gibson and Sears townships annexed in 1901.<sup>10</sup> Incorporated in 1903.<sup>11</sup> Greenville township organized from part of Scott Valley township in 1901.<sup>12</sup> Incorporated in 1908.<sup>13</sup> Some Bar township organized from part of Liberty township in 1909.<sup>14</sup> Incorporated in 1903.<sup>15</sup> Incorporated in 1902.<sup>16</sup> Glen Ellen township organized from part of Sonoma township in 1901.<sup>17</sup> Incorporated in 1906.<sup>18</sup> Incorporated in 1907.



TABLE 1.—POPULATION OF MINOR CIVIL DIVISIONS: 1910, 1900, AND 1890—Continued.

[Township means judicial township. For changes in boundaries, etc., between 1900 and 1910, see footnotes; for those between 1890 and 1900, see Reports of the Twelfth Census: 1900, Vol. I, Table 5.]

MINOR CIVIL DIVISION.	1910	1900	1890	MINOR CIVIL DIVISION.	1910	1900	1890
<b>Trinity County.</b>	<b>3,301</b>	<b>1 3,383</b>	<b>1 3,719</b>	<b>Ventura County.</b>	<b>13,847</b>	<b>14,367</b>	<b>110,071</b>
Hay Fork township <sup>1</sup> .....	689	490	407	Fillmore township.....	2,138		
Junction City township <sup>2</sup> .....	606	309	403	Ojai township.....	1,100		
Mad River township <sup>3</sup> .....	432	319	261	Oxnard township, including Oxnard city <sup>4</sup> .....	5,962		
Trinity Center township <sup>5</sup> .....	910	775	318	Oxnard city <sup>4</sup> .....	2,656		
Weaverville township.....	674	968	768	Santa Paula township, including Santa Paula city.....	3,347		
<b>Tulare County.</b>	<b>35,440</b>	<b>18,375</b>	<b>24,574</b>	Santa Paula city <sup>4</sup> .....	2,210		
Alla township.....	747	481		Slm township.....	748		
Alpaugh township <sup>6</sup> .....	323			Ventura township, including Ventura city.....	5,052		
Angula township.....	377	110		Ventura city.....	2,845	2,470	2,580
Ducor township <sup>7</sup> .....	508			Precinct 1.....	843		
Exeter township.....	1,438	1,027		Precinct 2.....	890		
Farmersville township.....	1,050	( <sup>8</sup> )		Precinct 3.....	1,158		
Kewash township, including Dinuba town.....	4,067	1,915	4,068	<b>Yolo County.</b>	<b>13,928</b>	<b>18,618</b>	<b>12,684</b>
Dinuba town <sup>9</sup> .....	870			Becks township.....	421	574	
Lemon Cove township <sup>10</sup> .....	949	429		Cacherville township.....	636	614	556
Lindsay township, including Lindsay town.....	2,981			Capay township <sup>11</sup> .....	856	506	898
Lindsay town <sup>11</sup> .....	1,814	1,457		Clarksburg township.....	896	738	653
Orosi township.....	2,246			Cottonwood township.....	526	750	937
Plano township, including Tuila River Indian Reservation.....	1,638	901		Dunnigan township <sup>12</sup> .....	333		
Tuila River Indian Reservation.....	148	143		Grafton township.....	770	621	1,034
Porterville township, <sup>13</sup> coextensive with Porterville city.....	2,696			Guinda township.....	743	775	
Porterville city: <sup>14</sup>				Putah township.....	1,047	1,042	978
Ward 1.....	505			Washington township.....	1,785	1,398	1,247
Ward 2.....	644			Winters township, including Winters town.....	1,629	1,637	1,158
Ward 3.....	648			Winters town.....	610	783	
Ward 4.....	459			Woodland township, including Woodland city.....	4,392	4,323	
Ward 5.....	460			Woodland city.....	3,187	2,838	3,098
Ward 6.....	617			Ward 1.....	1,668		
Springville township <sup>15</sup> .....	487	890		Ward 2.....	1,601		
Tipton township <sup>16</sup> .....	4,819	3,441	4,646	<b>Yuba County.</b>	<b>10,042</b>	<b>8,620</b>	<b>9,688</b>
Tulare township, including Tulare city.....	2,758	2,212	2,897	East Bear River township, including Wheatland town.....	936	916	1,029
Tulare city.....	1,825	2,161	5,503	Wheatland town.....	481	482	650
Tule River township <sup>17</sup> .....	7,055	4,948	4,293	Festers Bar township.....	381	528	430
Visalia township, <sup>18</sup> including Visalia city.....	4,650	5,085	2,886	Linda township.....	805	352	296
Visalia city.....	682			Long Bar township.....	416	474	480
Ward 1.....	775			Marysville township, including Marysville city.....	5,325	3,961	4,635
Ward 2.....	590			Marysville city.....	6,430	5,497	5,991
Ward 3.....	659			Ward 1.....	1,201		
Ward 4.....	848			Ward 2.....	821		
Ward 5.....	1,078			Ward 3.....	1,541		
White River township.....	362	389	539	Ward 4.....	1,767		
Woodville township <sup>19</sup> .....	565			New York township.....	370	630	770
<b>Tuolumne County.</b>	<b>9,879</b>	<b>11,168</b>	<b>6,082</b>	Northeast township.....	100	150	269
Township 1, <sup>20</sup> including Sonora city.....	2,748	2,123	3,024	Parks Bar township.....	264	260	243
Sonora city.....	2,029	1,922	1,441	Rose Bar township.....	321	467	723
Township 2 <sup>21</sup> .....	1,276	1,137	1,034	Slate Range township.....	333	600	455
Township 3.....	701	1,201	837	West Bear River township.....	291	252	302
Township 4 <sup>22</sup> .....	2,236	1,589	1,187				
Township 5.....	3,018	3,167					

<sup>1</sup> County totals include population (169 in 1900; 58 in 1890) of Canyon Creek township and population (322 in 1900; 507 in 1890) of New River and North Fork townships, annexed to Junction City township; population (575 in 1900; 566 in 1890) of Lewiston township and population (110 in 1900; 81 in 1890) of Minersville township, annexed to Trinity Center township; and population (345 in 1900; 290 in 1890) of Douglas City township, annexed to Hay Fork township, since 1900.

<sup>2</sup> Douglas City township annexed in 1904.

<sup>3</sup> Canyon Creek, New River, and North Fork townships annexed in 1904.

<sup>4</sup> Name changed from Long Ridge in 1904.

<sup>5</sup> Lewiston and Minersville townships annexed in 1904.

<sup>6</sup> County total includes population (143) of Tuila River Indian Reservation, returned independently in 1900.

<sup>7</sup> County total includes population (5,525) of Mussel Slough township, taken to form Kings County between 1890 and 1900.

<sup>8</sup> Organized from part of Tipton township in 1907.

<sup>9</sup> Ducor, Porterville, and Springville townships organized from parts of Tule River township in 1909, 1904, and 1901, respectively.

<sup>10</sup> Not returned separately in 1900.

<sup>11</sup> Incorporated in 1902.

<sup>12</sup> Lemon Cove township organized from part of Visalia township in 1906.

<sup>13</sup> Incorporated in 1910.

<sup>14</sup> Tipton and Woodville townships returned as Tipton township in 1900. Part taken to form Alpaugh township in 1907.

<sup>15</sup> Returned with Tipton township in 1900.

<sup>16</sup> County total includes population (1,959) of township 6, annexed to township 4 since 1900.

<sup>17</sup> Part annexed to township 2 in 1902.

<sup>18</sup> Parts of townships 1 and 4 annexed in 1902.

<sup>19</sup> Part annexed to township 2 in 1902; township 6 annexed in 1902.

<sup>20</sup> No comparison of population can be made; county redistricted in 1906 and 1910.

<sup>21</sup> Incorporated in 1903.

<sup>22</sup> County total includes population (671 in 1900; 770 in 1890) of Fairview township, part taken to form Dunnigan township and part annexed to Capay township since 1900.

<sup>23</sup> Part of Fairview township annexed in 1904.

<sup>24</sup> Organized from part of Fairview township in 1904.

TABLE 2.—POPULATION OF INCORPORATED PLACES: 1910, 1900, AND 1890.

CITY OR TOWN.	County.	1910	1900	1890	CITY OR TOWN.	County.	1910	1900	1890
Alameda city.....	Alameda.....	23,383	16,464	11,165	Lincoln town.....	Placer.....	1,402	1,061	961
Albany city.....	Alameda.....	808	.....	.....	Lindsay town.....	Tulare.....	1,814	.....	.....
Alhambra city.....	Los Angeles.....	5,021	.....	.....	Livermore town.....	Alameda.....	2,030	1,493	1,391
Alturas town.....	Modoc.....	916	.....	.....	Lodi city.....	San Joaquin.....	2,097	.....	.....
Arviso town.....	Santa Clara.....	402	.....	.....	Lompoc town.....	Santa Barbara.....	1,482	872	1,018
Arnhem town.....	Orange.....	2,658	1,456	1,273	Long Beach city.....	Los Angeles.....	17,809	2,252	564
Antioch town.....	Contra Costa.....	1,124	674	635	Lordsburg city.....	Los Angeles.....	954	.....	.....
Arcadia city.....	Los Angeles.....	696	.....	.....	Los Angeles city.....	Los Angeles.....	319,138	102,479	50,395
Arcata town.....	Humboldt.....	1,121	952	962	Los Banos city.....	Merced.....	745	.....	.....
Auburn city.....	Placer.....	2,376	2,050	1,595	Los Gatos town.....	Santa Clara.....	2,232	1,915	1,652
Azusa city.....	Los Angeles.....	1,477	863	.....	Loyaltown town.....	Sierra.....	983	.....	.....
Bakersfield city.....	Kern.....	12,727	4,836	2,626	Madera city.....	Madera.....	2,404	.....	.....
Belvedere town.....	Marin.....	481	434	.....	Martinez town.....	Contra Costa.....	2,115	1,380	1,600
Benicia city.....	Solano.....	2,360	2,751	2,801	Marysville city.....	Yuba.....	5,430	3,497	5,991
Berkeley city.....	Alameda.....	40,434	13,214	5,101	Mayfield town.....	Santa Clara.....	1,041	.....	.....
Biggs city.....	Butte.....	403	.....	.....	Merced city.....	Merced.....	3,102	1,969	2,009
Bishop city.....	Inyo.....	1,190	.....	.....	Mill Valley town.....	Marin.....	2,551	.....	.....
Black Diamond town.....	Contra Costa.....	2,372	.....	.....	Modesto city.....	Stanislaus.....	4,034	2,024	2,402
Blue Lake town.....	Humboldt.....	507	.....	.....	Monrovia city.....	Los Angeles.....	3,576	1,205	907
Boulder Creek town.....	Santa Cruz.....	544	.....	.....	Montague town.....	Siskiyou.....	274	.....	.....
Brawley city.....	Imperial.....	881	.....	.....	Monterey city.....	Monterey.....	4,923	1,748	1,662
Burlingame town.....	San Mateo.....	1,565	.....	.....	Morgan Hill town.....	Santa Clara.....	607	.....	.....
Calexico city.....	Imperial.....	797	.....	.....	Mountain View town.....	Santa Clara.....	1,161	.....	.....
Calistoga town.....	Napa.....	751	690	.....	Napa city.....	Napa.....	5,791	4,036	4,598
Chico city.....	Butte.....	3,750	2,640	2,894	National City.....	San Diego.....	1,733	1,086	1,553
Chino city.....	San Bernardino.....	1,444	.....	.....	Nevada City.....	Nevada.....	2,689	3,250	2,524
Claremont city.....	Los Angeles.....	1,114	.....	.....	Newman town.....	Stanislaus.....	492	.....	.....
Cloverdale town.....	Sonoma.....	823	760	763	Newport Beach city.....	Orange.....	845	.....	.....
Coalinga city.....	Fresno.....	4,199	.....	.....	Oakdale city.....	Stanislaus.....	1,035	.....	.....
Colfax city.....	Placer.....	621	.....	.....	Oakland city.....	Alameda.....	150,171	66,960	48,682
Colton city.....	San Bernardino.....	3,980	1,285	1,316	Ocean Park city.....	Los Angeles.....	3,119	.....	.....
Colusa town.....	Colusa.....	1,582	1,441	1,336	Oceanside city.....	San Diego.....	673	330	.....
Compton city.....	Los Angeles.....	922	.....	.....	Ontario city.....	San Bernardino.....	4,274	722	683
Concord town.....	Contra Costa.....	703	.....	.....	Orange city.....	Orange.....	2,920	1,216	856
Coram town.....	Shasta.....	666	.....	.....	Orland town.....	Glenn.....	836	.....	.....
Corning city.....	Tehama.....	972	.....	.....	Orville city.....	Butte.....	3,859	.....	.....
Corona city.....	Riverside.....	3,540	1,434	.....	Oxnard city.....	Ventura.....	2,555	.....	.....
Coronado city.....	San Diego.....	1,477	935	.....	Pacific Grove city.....	Monterey.....	2,284	.....	.....
Covina city.....	Los Angeles.....	1,652	.....	.....	Palo Alto city.....	Santa Clara.....	4,486	1,658	.....
Crescent City.....	Del Norte.....	1,114	699	907	Passadena city.....	Los Angeles.....	30,291	9,117	4,882
Dinubus town.....	Tulare.....	970	.....	.....	Paso Robles city.....	San Luis Obispo.....	1,441	1,224	827
Dixon town.....	Solano.....	827	783	1,082	Petaluma city.....	Sonoma.....	5,880	3,871	3,692
Dorris town.....	Siskiyou.....	214	.....	.....	Piedmont city.....	Alameda.....	1,719	.....	.....
Dunsmuir town.....	Siskiyou.....	719	.....	.....	Pineole town.....	Contra Costa.....	2,343	.....	.....
East San Jose town.....	Santa Clara.....	1,661	.....	.....	Placerville city.....	Eldorado.....	1,914	1,748	1,690
El Centro city.....	Imperial.....	1,610	.....	.....	Pleasanton town.....	Alameda.....	1,254	1,100	.....
Elsinore city.....	Riverside.....	488	279	.....	Point Arena city.....	Mendocino.....	497	.....	.....
Emeryville town.....	Alameda.....	2,613	1,016	228	Pomona city.....	Los Angeles.....	10,207	5,526	3,634
Escondido city.....	San Diego.....	1,334	755	641	Porterville city.....	Tulare.....	2,696	.....	.....
Etna town.....	Siskiyou.....	518	800	271	Potter Valley town.....	Mendocino.....	576	563	.....
Eureka city.....	Humboldt.....	11,945	7,327	4,858	Red Bluff city.....	Tehama.....	3,530	2,750	2,608
Fairfield town.....	Solano.....	834	.....	.....	Redding city.....	Shasta.....	3,572	2,946	1,821
Ferndale town.....	Humboldt.....	905	846	763	Redlands city.....	San Bernardino.....	10,449	4,797	1,904
Fort Bragg city.....	Mendocino.....	2,408	1,590	945	Redondo Beach city.....	Los Angeles.....	2,333	855	603
Fort Jones town.....	Siskiyou.....	316	356	266	Redwood city.....	San Mateo.....	2,442	1,653	1,572
Fortuna town.....	Humboldt.....	883	.....	.....	Richmond city.....	Contra Costa.....	6,302	.....	.....
Fowler town.....	Fresno.....	675	.....	.....	Rio Vista town.....	Solano.....	884	682	648
Fresno city.....	Fresno.....	24,892	12,470	10,818	Riverside city.....	Riverside.....	15,212	7,973	4,683
Fullerton city.....	Orange.....	1,725	.....	.....	Rocklin town.....	Placer.....	1,026	1,050	1,056
Gilroy city.....	Santa Clara.....	2,437	1,820	1,694	Roseville city.....	Placer.....	2,608	.....	.....
Glendale city.....	Los Angeles.....	2,746	.....	.....	Ross town.....	Marin.....	556	.....	.....
Grass Valley city.....	Nevada.....	4,820	4,719	.....	Sacramento city.....	Sacramento.....	44,696	23,282	26,386
Gridley city.....	Butte.....	957	.....	.....	St. Helena town.....	Napa.....	1,603	1,562	1,708
Hanford city.....	Kings.....	4,829	2,029	942	Salinas city.....	Monterey.....	8,736	3,304	2,339
Hayward town.....	Alameda.....	2,746	1,965	1,419	San Anselmo town.....	Marin.....	1,531	.....	.....
Healdsburg city.....	Sonoma.....	2,011	1,809	1,485	San Bernardino city.....	San Bernardino.....	12,739	6,150	4,012
Hemet city.....	Riverside.....	992	.....	.....	San Diego city.....	San Diego.....	39,578	17,700	16,159
Hercules town.....	Contra Costa.....	279	.....	.....	San Francisco city.....	San Francisco.....	416,912	342,752	238,997
Hermosa Beach city.....	Los Angeles.....	679	.....	.....	San Jacinto city.....	Riverside.....	898	583	661
Hollister town.....	San Benito.....	2,308	1,315	1,234	San Jose city.....	Santa Clara.....	28,946	21,500	15,060
Holtville city.....	Imperial.....	729	.....	.....	San Juan town.....	San Benito.....	526	449	463
Hornitos town.....	Mariposa.....	160	205	276	San Leandro city.....	Alameda.....	3,471	2,253	.....
Huntington Beach city.....	Orange.....	815	.....	.....	San Luis Obispo city.....	San Luis Obispo.....	5,157	3,021	2,995
Huntington Park city.....	Los Angeles.....	1,299	.....	.....	San Mateo city.....	San Mateo.....	2,384	1,832	.....
Imperial city.....	Imperial.....	1,257	.....	.....	Sau Rafael city.....	Marin.....	5,934	3,879	3,290
Inglewood city.....	Los Angeles.....	1,536	.....	.....	Santa Ana city.....	Orange.....	8,429	4,933	3,628
Jackson city.....	Amador.....	2,035	.....	.....	Santa Barbara city.....	Santa Barbara.....	11,659	6,587	5,864
Kingsburg city.....	Fresno.....	634	.....	.....	Santa Clara town.....	Santa Clara.....	4,348	3,650	2,891
Lakeport town.....	Lake.....	870	728	991	Santa Cruz city.....	Santa Cruz.....	11,146	5,659	5,506
Larkspur town.....	Marin.....	894	.....	.....	Santa Maria city.....	Santa Barbara.....	2,210	.....	.....
Lemoore city.....	Kings.....	1,000	.....	.....	Santa Monica city.....	Los Angeles.....	7,547	3,067	1,580

TABLE 2.—POPULATION OF INCORPORATED PLACES: 1910, 1900, AND 1890—Continued.

CITY OR TOWN.	County.	1910	1900	1890	CITY OR TOWN.	County.	1910	1900	1890
Santa Paula city.....	Ventura.....	2,216	.....	.....	Turlock city.....	Stanislaus.....	1,573	.....	.....
Santa Rosa city.....	Sanoma.....	7,817	6,673	5,220	Ukiah city.....	Mendocino.....	2,136	1,850	1,627
Sausalito town.....	Marin.....	2,383	1,628	1,334	Upland city.....	San Bernardino.....	2,384	.....	.....
Sawtelle city.....	Los Angeles.....	2,143	.....	.....	Vacaville town.....	Solano.....	1,177	1,220	725
Sebastopol town.....	Sonoma.....	1,233	.....	.....	Valejo city.....	Solano.....	11,340	7,965	6,343
Selma town.....	Fresno.....	1,750	1,083	1,150	Ventura city.....	Ventura.....	2,945	2,470	2,320
Sierra Madre city.....	Los Angeles.....	1,303	.....	.....	Vernon city.....	Los Angeles.....	772	.....	.....
Sission town.....	Siskiyou.....	636	.....	.....	Vissalia city.....	Tulare.....	4,530	3,085	2,885
Sonoma town.....	Sonoma.....	957	652	757	Watsonville city.....	Santa Cruz.....	4,446	3,528	2,149
Sonora city.....	Tuolumne.....	2,029	1,922	1,441	Watts city.....	Los Angeles.....	1,922	.....	.....
South Pasadena city.....	Los Angeles.....	4,649	1,001	623	Wheatland town.....	Yuba.....	481	492	630
South San Francisco city.....	San Mateo.....	1,989	.....	.....	Whittier city.....	Los Angeles.....	4,550	1,590	585
Stockton city.....	San Joaquin.....	23,253	17,506	14,424	Willits town.....	Mendocino.....	1,153	791	815
Suisun City town.....	Solano.....	641	625	499	Willows town.....	Glenn.....	1,139	893	1,176
Susanville town.....	Lassen.....	688	.....	.....	Winters town.....	Yolo.....	910	785	.....
Tehachapi town.....	Kern.....	385	.....	.....	Woodland city.....	Yolo.....	3,187	2,846	3,069
Tehama town.....	Tehama.....	221	.....	.....	Yreka town.....	Siskiyou.....	1,134	1,254	1,100
Tulare city.....	Tulare.....	2,758	2,216	2,697	Yuba City town.....	Sutter.....	1,160	.....	.....



## CHAPTER 2.

### COMPOSITION AND CHARACTERISTICS OF THE POPULATION.

**Introduction.**—The first chapter having given the number of inhabitants of California by counties and minor civil divisions, the decennial increase and the density of population, and the proportions urban and rural, the present chapter deals with the composition and characteristics of the population. The two chapters cover all the principal topics of the population census except occupations and ownership of homes.

**Description of the tables.**—The greater part of this chapter consists of five general tables, which present statistics of color, nativity, parentage, sex, citizenship, illiteracy, school attendance, and dwellings and families, as follows: Table I for the state and counties; Table II for cities of more than 25,000 inhabitants; Table III for cities of 10,000 to 25,000; Table IV for places of 2,500 to 10,000; and Table V for wards or assembly districts of the three cities of more than 50,000.

A series of summary tables (numbered 1 to 17) reproduces from the general tables the more important state and city totals, and presents also certain additional data relative to state of birth, age, and marital condition.

On account of the wide differences in characteristics among the different classes of the population, the statistics on each subject are shown according to race, and for the whites according to nativity and parentage. Classification according to nativity and parentage is scarcely necessary for the other races, since nearly all negroes and Indians are native born of native parentage, and nearly all Chinese and Japanese either foreign born or of foreign parentage.

The white population is divided into four groups: (1) Native, native parentage—that is, having both parents born in the United States; (2) native, foreign parentage—having both parents born abroad; (3) native, mixed parentage—having one parent native and the other foreign born; (4) foreign born. As the second and third classes do not differ greatly in characteristics, they are combined in some of the tables; in a few cases all three native white classes are combined.

Since marked differences often exist between urban and rural communities with respect to the composition and characteristics of the population, the two classes are distinguished in connection with several of the subjects. Urban population, as defined by the Bureau of the Census, includes that of all incorporated places of 2,500 inhabitants or more, the remainder being classified as rural.

The census inquiry as to school attendance was merely as to whether the person enumerated had

attended any kind of school at any time between September 1, 1909, and the date of enumeration, April 15, 1910.

The Census Bureau classifies as illiterate any person 10 years of age or over who is unable to write, regardless of ability to read.

**Color and nativity** (Table 1).—Of the total population of California, 1,106,533, or 46.5 per cent, are native whites of native parentage; 635,889, or 26.8 per cent, are native whites of foreign or mixed parentage; and 517,250, or 21.8 per cent, are foreign-born whites. The corresponding percentages in 1900 were 43.4, 29.7, and 21.3, respectively, the proportion of native whites of native parentage increasing somewhat during the decade. In 1910 Japanese constituted 1.7 per cent of the population; Chinese, 1.5; negroes, 0.9; and Indians, 0.7. In 8 of the 58 counties the foreign-born whites represent as much as one-fourth of the population, the percentage being highest (32) in San Mateo. The proportion of native whites of foreign or mixed parentage exceeds one-fourth in 24 counties and is highest in San Francisco County (36.9 per cent). (See maps on page 597.)

Of the urban population, 44.4 per cent are native whites of native parentage; of the rural, 50 per cent. The corresponding proportions for native whites of foreign or mixed parentage are 28.8 and 23.5 per cent, respectively; for foreign-born whites 22.6 and 20.4 per cent. The percentage of Chinese and Japanese is 3 in the urban and 3.8 in the rural.

**Sex** (Tables 2 and 15).—In the total population of the state there are 1,322,978 males and 1,054,571 females, or 125.5 males to 100 females. In 1900 the ratio was 123.5 to 100. Among native whites the ratio is 108.7 to 100 and among foreign-born whites, 169.6 to 100. In the urban population there are 113.6 males to 100 females, and in the rural, 147.8.

**State of birth** (Tables 3 and 4).—Of the native population—that is, population born in the United States—50.5 per cent were born in California and 49.5 per cent outside the state; of the native white population, 49.9 per cent were born outside the state; of the native negro, 75.6 per cent; and of the native Indian, 6.4 per cent. Persons born outside the state constitute a larger proportion of the native population in urban than in rural communities.

**Foreign nationalities** (Tables 5 and 12).—Of the foreign-born white population of California, persons born in Germany represent 14.8 per cent; Italy, 12.3; Ireland, 10.1; England, 9.4; Canada, 8.6; Mexico, 6.5;

Sweden, 5.1; Portugal, 4.3; France, 3.4; Austria, 3.3; Russia, 3.2; all other countries, 18.8 per cent. Of the total white stock of foreign origin, which includes persons born abroad and also natives having one or both parents born abroad, Germany contributed 17.9 per cent; Ireland, 13.8; England, 10; Italy, 8.9; Canada, 8.4; Portugal, 4.5; Mexico, 4.4; Sweden, 4; France, 2.8; Scotland, 2.8; Switzerland, 2.4; Russia, 2.4; Denmark, 2.3 per cent.

**Voting and militia ages** (Table 6).—The total number of males 21 years of age and over is 920,397, representing 38.7 per cent of the population. Of such males, 40 per cent are native whites of native parentage, 19.7 per cent native whites of foreign or mixed parentage, 32.3 per cent foreign-born whites, 6.5 per cent Chinese and Japanese, 0.9 per cent negroes, and 0.5 per cent Indians. Of the 297,365 foreign-born white males of voting age, 137,274, or 46.2 per cent, are naturalized. Males of militia age—18 to 44—number 665,522.

**Age** (Tables 7, 8, 13, and 14).—Of the total population, 8.1 per cent are under 5 years of age, 14.7 per cent from 5 to 14 years, inclusive, 18 per cent from 15 to 24, 35.7 per cent from 25 to 44, and 23.1 per cent 45 years and over. The proportion of children is low among the foreign-born whites, negroes, Chinese, and Japanese. Only 4.2 per cent of the foreign-born whites are under 15 years of age, while 82.9 per cent are 25 years of age and over. Of the native whites of foreign or mixed parentage, 47.5 per cent are 25 and over, and of the native whites of native parentage, 52.9 per cent.

The urban population shows a smaller proportion of children than the rural and a larger proportion of persons in the prime of life. Migration to the city explains this at least in part. Of the urban population, 37.3 per cent are from 25 to 44 years of age, inclusive, and of the rural, 32.9 per cent.

**School attendance** (Table 9).—The total number of persons of school age—that is, from 6 to 20 years, inclusive—is 555,554, of whom 361,077, or 65 per cent, attended school. In addition to these, 6,788 children under 6 and 9,801 persons of 21 and over attended school. For boys from 6 to 20 years, inclusive, the percentage attending school was 63.1; for girls, 67. For children from 6 to 14 years, inclusive, the percentage attending school was 86.9. The percentage for children of this age among native whites of native parentage was 87.4; among native whites of foreign or mixed parentage, 88.1; among foreign-born whites, 82.3; among negroes, 88.4; among Indians, 61.4; among Chinese, 70.1; and among Japanese, 61.5. (See Table I.) For all classes combined, the percentage attending school is somewhat higher in urban than in rural communities.

**Illiteracy** (Table 10).—There are 74,902 illiterates in the state, representing 3.7 per cent of the total population 10 years of age and over, as compared with 4.8 per cent in 1900. The percentage of illiteracy is 0.5 among native whites, 10 among foreign-born

whites, 7.1 among negroes, 49 among Indians, 15.5 among Chinese, and 8.6 among Japanese.

For all classes combined, the percentage of illiterates is 2.4 in urban communities and 5.9 in rural. For each class separately, also, the rural percentage exceeds the urban, the differences in some cases being very marked.

For persons from 10 to 20 years of age, inclusive, whose literacy depends largely upon present school facilities and school attendance, the percentage of illiteracy is 1.7. (See Table I.)

**Marital condition** (Tables 11 and 16).—In the population 15 years of age and over, 45.8 per cent of the males are single and 27.9 per cent of the females. The percentage married is 47.3 for males and 58.4 for females, and the percentage widowed 4.4 and 12.2, respectively. The percentages of those reported as divorced, 1 and 1.3, respectively, are believed to be too small, because of the probability that many divorced persons class themselves as single or widowed.

That the percentage single is so much smaller for women than for men is due partly to the excess of males in the total population, and partly to the fact that women marry younger. Thus 9.1 per cent of the females from 15 to 19 years of age are married, as compared with 0.6 per cent of the males; and 47.2 per cent of the females from 20 to 24 years are married, as compared with 14.8 per cent of the males. In the next age group, 25 to 34 years, the percentages are 72.4 and 46, respectively. In the age group 35 to 44 the difference is less marked, while among those aged 45 and over the percentage for males exceeds that for females. That there is a larger proportion of widows than of widowers may indicate that men more often remarry than women, but, since husbands are generally older than their wives, the marriage relationship is more often broken by death of the husband than by death of the wife.

For the main elements of the population the percentages of married persons among those 15 years of age and over are as follows: Foreign-born whites, 49.8 for males and 65.1 for females; native whites of native parentage, 49.7 and 57.6, respectively; native whites of foreign or mixed parentage, 42.4 and 53.5; negroes, 48.9 and 55.8; Indians, 50.3 and 59.2; Chinese, 44.7 and 69; Japanese, 28 and 86.8.

These percentages by no means indicate the relative tendency of the several classes as regards marriage. To determine that, the comparison should be made by age periods, since the proportion married in any class is determined largely by the proportion who have reached the marrying age. Similarly, the proportion widowed depends largely on the proportion past middle life. The percentage married for males is higher in the urban population, for females in the rural.

**Dwellings and families.**—The total number of dwellings in California is 513,481, and the total number of families 563,636, there being 109.8 families to each 100 dwellings. (See Table I.) The average number of persons per dwelling is 4.6, and the average number per family, 4.2.



TABLE 7.—AGE, FOR THE STATE.

[Per cent not shown where base is less than 100.]

AGE PERIOD.	TOTAL POPULATION.				NATIVE WHITE.								FOREIGN-BORN WHITE.	
					Native parentage.		Foreign or mixed parentage.							
	1910	1900	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
All ages, number.....	2,377,549	1,485,053	1,322,978	1,054,571	565,658	520,875	321,915	313,974	325,417	191,833				
Under 5 years.....	193,659	125,937	98,390	95,269	57,399	55,422	35,961	34,973	1,713	1,581				
Under 1 year.....	40,436	25,137	20,620	19,710	11,992	11,566	7,774	7,339	125	98				
5 to 9 years.....	176,192	137,005	89,099	87,093	50,702	49,500	31,349	30,010	4,450	4,194				
10 to 14 years.....	173,945	126,889	87,896	86,049	48,368	47,363	31,908	31,441	5,062	4,909				
15 to 19 years.....	196,034	128,084	102,000	94,034	50,409	49,895	34,821	35,048	11,259	6,821				
20 to 24 years.....	234,121	136,549	131,064	103,057	57,057	50,636	32,661	34,137	31,362	15,231				
25 to 29 years.....	246,426	134,269	142,044	103,592	56,500	47,642	31,078	31,787	42,908	20,723				
30 to 34 years.....	225,610	120,103	131,048	94,562	50,040	42,024	29,174	29,329	39,579	20,370				
35 to 39 years.....	200,819	123,122	114,194	86,625	44,150	37,598	26,396	26,217	34,348	20,540				
40 to 44 years.....	174,286	104,214	101,430	72,856	37,960	31,463	21,193	19,622	34,527	20,109				
45 to 49 years.....	146,878	81,939	86,179	60,699	32,051	26,701	16,900	15,183	30,463	17,832				
50 to 54 years.....	119,293	69,530	69,741	49,552	27,573	23,021	12,559	10,966	23,805	14,649				
55 to 59 years.....	82,095	52,504	47,290	34,805	19,017	16,588	6,914	5,941	17,586	11,678				
60 to 64 years.....	74,567	48,888	45,840	30,727	17,663	14,827	4,601	3,605	17,927	11,778				
65 to 74 years.....	89,132	58,398	50,079	38,033	22,976	18,923	4,570	3,498	20,550	15,011				
75 to 84 years.....	32,886	16,430	18,623	15,893	9,454	7,163	1,362	911	7,334	5,462				
85 to 94 years.....	4,390	1,858	2,394	1,996	1,184	987	168	118	924	779				
95 years and over.....	255	109	138	117	46	39	8	5	64	46				
Age unknown.....	8,361	10,174	6,739	1,622	3,049	881	295	253	1,506	361				
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
Under 5 years.....	8.1	8.5	7.4	9.0	9.8	10.6	11.2	11.1	0.5	0.8				
5 to 9 years.....	7.4	9.2	6.7	8.3	8.7	9.5	7.7	9.8	1.4	2.2				
10 to 14 years.....	7.3	8.5	6.6	8.3	9.1	9.9	10.0	10.0	1.6	2.6				
15 to 19 years.....	8.2	8.6	7.7	8.9	8.6	9.6	10.8	11.2	3.5	3.6				
20 to 24 years.....	9.9	9.0	9.0	8.8	9.7	9.7	10.1	10.9	9.6	7.9				
25 to 29 years.....	10.2	9.2	20.7	18.8	17.2	17.2	19.5	25.4	21.4	21.4				
30 to 34 years.....	15.8	15.3	16.3	15.1	14.0	13.3	14.8	14.6	21.2	21.2				
35 to 39 years.....	17.8	17.0	18.7	16.7	16.4	15.6	12.7	11.4	27.6	29.0				
40 to 44 years.....	5.3	5.2	5.4	5.1	5.7	5.2	1.9	1.4	8.9	11.1				

AGE PERIOD.	NEGRO.		INDIAN.		CHINESE.		JAPANESE.		ALL OTHER.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
All ages, number.....	11,303	10,342	8,356	8,015	33,003	3,245	35,116	6,240	2,210	47
Under 5 years.....	732	787	920	891	459	394	1,198	1,213	8	8
Under 1 year.....	150	149	190	185	68	74	326	296	1	3
5 to 9 years.....	698	729	978	976	441	398	419	384	2	2
10 to 14 years.....	690	777	904	878	706	343	187	133	11	3
15 to 19 years.....	848	904	900	873	2,129	258	1,491	235	143	
20 to 24 years.....	1,114	1,069	661	593	2,180	344	5,603	1,045	426	2
25 to 29 years.....	1,343	1,230	575	544	1,633	289	8,196	1,367	541	10
30 to 34 years.....	1,256	1,040	528	498	2,246	308	7,795	977	430	7
35 to 39 years.....	1,159	1,005	484	466	2,460	251	4,968	513	229	5
40 to 44 years.....	935	781	460	426	3,331	213	2,861	238	163	4
45 to 49 years.....	816	650	412	372	4,357	145	1,115	63	65	3
50 to 54 years.....	612	408	338	290	4,287	124	519	33	60	1
55 to 59 years.....	356	277	227	228	3,046	77	129	14	15	2
60 to 64 years.....	281	224	279	242	2,894	46	147	5	48	
65 to 74 years.....	285	220	320	356	1,341	44	14	1	23	
75 to 84 years.....	101	102	216	222	149	2	6	1	1	
85 to 94 years.....	17	28	87	84	13					
95 years and over.....	5	3	25	24						
Age unknown.....	55	48	42	52	1,271	9	476	18	45	
All ages, per cent.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
Under 5 years.....	6.5	7.6	11.0	11.1	1.4	12.1	3.4	19.4	0.4	
5 to 9 years.....	6.2	7.0	11.7	12.2	1.3	12.3	6.2	19.2	0.1	
10 to 14 years.....	6.1	18.8	11.0	11.0	2.3	10.6	0.5	2.1	0.5	
15 to 19 years.....	7.5	8.7	10.8	10.9	6.5	8.0	4.2	3.8	6.5	
20 to 24 years.....	9.9	10.3	7.9	7.4	6.6	10.6	16.0	16.7	19.3	
25 to 29 years.....	21.0	21.9	13.2	13.0	18.8	18.4	45.5	43.9	37.6	
30 to 34 years.....	18.5	17.3	11.3	11.1	17.5	14.3	22.3	12.0	17.7	
35 to 39 years.....	18.3	15.7	15.0	14.1	44.2	12.1	5.4	1.8	8.5	
40 to 44 years.....	3.6	3.4	7.8	8.6	4.6	1.4	0.1	(1)	1.1	

(1) Less than one-tenth of 1 per cent.



# STATISTICS OF POPULATION.

589

TABLE 8.—AGE, FOR URBAN AND RURAL POPULATION.

[Per cent not shown where base is less than 100.]

AGE PERIOD.	TOTAL.				NATIVE WHITE.				FOREIGN-BORN WHITE.			
	Male.		Female.		Male.		Female.		Male.		Female.	
	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.
All ages, number.....	781,502	541,478	688,237	366,334	539,492	368,061	535,923	288,926	195,255	130,182	136,581	55,252
Under 5 years.....	55,995	42,395	54,239	41,030	53,310	40,050	51,095	38,790	1,072	641	1,023	558
Under 1 year.....	11,895	8,731	11,240	8,470	11,468	8,298	10,847	8,058	81	44	51	47
5 to 9 years.....	49,449	39,650	49,003	38,090	45,387	36,724	45,166	35,244	2,883	1,567	2,677	1,517
10 to 14 years.....	49,407	38,489	50,209	35,840	44,879	35,397	45,832	33,204	3,150	1,906	3,283	1,626
15 to 19 years.....	59,539	47,461	60,214	33,820	50,527	34,703	53,458	30,985	5,934	5,325	4,928	1,893
20 to 24 years.....	78,236	52,828	71,425	31,632	56,031	33,687	58,213	26,560	16,689	14,673	11,262	3,969
25 to 34 years.....	169,627	104,255	137,587	60,567	107,882	58,910	104,003	46,779	49,583	32,964	29,672	11,430
35 to 44 years.....	132,385	83,239	109,045	50,438	80,462	49,237	77,877	37,053	42,982	25,863	28,742	11,907
45 to 64 years.....	144,517	102,533	119,380	56,403	79,018	58,257	77,870	38,862	54,962	34,819	39,676	16,011
65 years and over.....	37,381	33,853	35,934	18,095	19,701	20,067	20,564	11,080	16,814	12,448	15,046	6,252
Age unknown.....	4,966	1,773	1,203	419	2,295	1,049	865	269	1,180	326	272	89
All ages, per cent....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	7.2	7.8	7.9	11.2	9.9	10.9	9.6	13.0	0.5	0.5	0.7	1.0
5 to 9 years.....	6.3	7.3	7.1	10.4	8.4	10.0	8.4	11.8	1.5	1.2	2.0	2.7
10 to 14 years.....	6.3	7.1	7.2	9.8	8.3	9.6	8.5	11.1	1.6	1.5	2.4	2.9
15 to 19 years.....	7.6	7.8	8.7	9.2	9.4	9.4	10.1	10.4	3.0	4.1	3.6	3.4
20 to 24 years.....	10.0	9.8	10.4	8.6	10.4	9.2	10.9	8.9	8.5	11.3	8.2	7.2
25 to 34 years.....	21.7	20.3	20.0	16.5	16.5	15.0	16.4	15.0	25.4	25.3	21.7	20.7
35 to 44 years.....	16.9	15.4	15.8	13.8	14.9	13.4	14.5	12.4	22.0	19.9	21.0	21.6
45 to 64 years.....	18.5	18.9	17.3	15.4	14.6	15.8	14.5	13.0	28.1	26.8	29.0	29.0
65 years and over.....	4.8	6.3	5.2	4.9	3.7	5.5	3.8	3.7	8.6	9.3	11.0	11.3

AGE PERIOD.	NEGRO.				INDIAN.				CHINESE.				JAPANESE.				ALL OTHER.			
	Male.		Female.		Male.		Female.		Male.		Female.		Male.		Female.		Male.		Female.	
	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.	Urban.	Rural.
All ages, number.....	9,285	2,018	9,114	1,228	429	7,827	402	7,613	21,489	11,514	2,773	472	15,201	19,915	3,411	2,829	351	1,859	33	14
Under 5 years.....	638	94	674	113	17	903	6	885	385	74	323	71	570	628	602	611	3	5	6	2
Under 1 year.....	126	24	132	17	4	186	1	184	61	7	48	26	155	171	166	136	1	1	1	2
5 to 9 years.....	588	110	611	118	15	963	22	954	371	70	344	54	305	214	182	202	.....	2	1	1
10 to 14 years.....	544	146	659	118	90	814	81	797	627	139	297	46	107	80	85	48	4	7	2	1
15 to 19 years.....	651	197	796	108	174	726	159	714	1,325	604	224	34	707	784	149	56	21	122	.....	.....
20 to 24 years.....	906	208	975	94	46	615	44	549	1,641	539	309	35	2,804	2,789	630	425	59	367	2	.....
25 to 34 years.....	2,179	420	2,042	228	46	1,057	48	994	2,834	1,045	523	75	6,941	9,050	1,290	1,054	162	809	10	7
35 to 44 years.....	1,782	312	1,613	173	17	927	19	873	4,129	1,662	386	78	2,939	4,890	398	353	74	318	8	1
45 to 64 years.....	1,664	401	1,416	203	16	1,249	16	1,116	8,214	6,370	336	66	630	1,281	72	43	23	165	4	2
65 years and over.....	287	121	283	70	7	641	5	681	567	936	34	12	4	17	2	.....	1	23	.....	.....
Age unknown.....	46	9	45	3	1	41	2	50	1,196	75	8	1	244	232	11	7	4	41	.....	.....
All ages, per cent....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years.....	6.9	4.7	7.4	9.2	4.0	11.4	1.5	11.6	1.8	0.6	11.6	15.0	3.7	3.2	17.6	21.6	0.9	0.3	.....	.....
5 to 9 years.....	6.3	5.5	6.7	9.6	3.5	12.1	5.5	12.5	1.7	0.6	12.4	11.4	1.3	1.1	5.3	7.1	.....	0.1	.....	.....
10 to 14 years.....	5.9	7.2	7.2	9.6	21.0	10.3	20.1	10.5	2.9	1.2	10.7	9.7	0.7	0.4	2.5	1.7	1.1	0.4	.....	.....
15 to 19 years.....	7.0	9.8	8.7	8.8	40.6	9.2	39.6	9.4	7.1	3.2	8.1	7.2	4.7	3.9	4.4	3.0	6.0	6.1	.....	.....
20 to 24 years.....	9.8	10.3	10.7	7.7	10.7	7.8	10.9	7.2	7.6	4.7	11.1	7.4	18.8	13.8	18.2	15.0	16.8	19.7	.....	.....
25 to 34 years.....	23.5	20.8	22.4	18.6	10.7	13.3	11.9	13.1	13.2	9.1	18.8	15.9	45.7	45.4	37.8	37.3	46.2	43.5	.....	.....
35 to 44 years.....	19.2	15.5	17.7	14.1	4.0	11.7	4.7	11.5	19.2	14.4	13.9	16.5	19.3	24.6	11.7	12.5	24.1	17.1	.....	.....
45 to 64 years.....	17.9	19.9	15.5	16.5	3.7	15.0	4.0	14.7	38.2	55.3	11.8	14.0	4.1	4.1	2.1	1.5	6.6	8.9	.....	.....
65 years and over.....	3.1	6.0	3.1	5.7	1.6	8.1	1.2	8.9	2.6	8.1	1.2	2.5	(1)	0.1	0.1	.....	0.3	1.2	.....	.....

<sup>1</sup> Less than one-tenth of 1 per cent.

TABLE 9.—SCHOOL ATTENDANCE.

[Per cent not shown where base is less than 100.]

AGE PERIOD.	TOTAL.		NATIVE WHITE.										FOREIGN-BORN WHITE.			
			Native parentage.					Foreign or mixed parentage.								
			Attending school.		Attending school.			Attending school.		Attending school.			Attending school.			
			Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.		
			Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.	Number.	Per cent.		
THE STATE.																
6 to 20 years, inclusive.....	555,654	361,077	65.0	296,850	205,043	69.1	196,467	129,155	65.7	43,405	17,815	41.0				
Male.....	285,577	180,147	63.1	149,783	101,394	67.7	98,255	64,310	65.5	25,667	9,222	35.9				
Female.....	269,977	180,930	67.0	147,067	103,649	70.5	98,212	64,845	66.0	17,738	8,593	48.4				
6 to 9 years.....	139,639	109,378	78.3	79,183	62,186	78.5	49,265	39,302	79.8	7,328	5,555	75.8				
10 to 14 years.....	173,945	163,142	93.8	95,933	90,799	94.6	63,349	59,882	94.5	9,971	8,690	87.2				
15 to 17 years.....	112,010	66,013	58.9	59,166	38,372	64.9	41,659	23,196	55.7	7,538	2,583	34.3				
18 to 20 years.....	129,960	22,544	17.3	62,568	13,686	21.9	42,194	6,775	16.1	18,568	987	5.3				
Under 6 years.....		6,788			3,905			2,427			242					
21 years and over.....		9,801			5,318			2,390			1,146					
Total attending school.....		377,660			214,266			133,972			19,203					
URBAN POPULATION.																
6 to 14 years.....	177,631	157,330	88.6	94,247	83,592	88.7	67,965	60,786	89.4	11,143	9,478	85.1				
15 to 20 years.....	148,250	53,765	36.3	71,652	30,179	42.1	55,526	19,172	34.5	15,280	2,448	16.0				
RURAL POPULATION.																
6 to 14 years.....	135,953	115,190	84.7	80,809	69,393	85.8	44,649	38,398	86.0	6,156	4,767	77.4				
15 to 20 years.....	93,720	34,792	37.1	50,082	21,879	43.7	28,327	10,799	38.1	10,826	1,122	10.4				

AGE PERIOD.	NEGRO.			INDIAN.			CHINESE.			JAPANESE.			ALL OTHER.		
	Attending school.		Number.	Attending school.		Number.	Attending school.		Number.	Attending school.		Number.	Attending school.		Number.
	Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.	
	Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.		Number.	Per cent.	
	THE STATE.														
6 to 20 years, inclusive.....	4,732	2,936	62.0	5,439	2,950	54.2	4,750	2,209	46.5	3,648	936	25.7	263	33	12.6
Male.....	2,271	1,359	59.8	2,723	1,522	55.9	3,778	1,647	43.6	2,842	645	23.4	258	28	10.9
Female.....	2,461	1,577	64.1	2,716	1,428	52.6	972	562	57.8	806	271	33.6	5	5	
6 to 9 years.....	1,112	902	81.1	1,543	758	49.1	640	383	59.8	565	289	51.2	3	3	
10 to 14 years.....	1,467	1,379	94.0	1,782	1,282	71.9	1,169	843	76.0	320	255	79.7	14	12	
15 to 17 years.....	957	506	52.9	1,089	657	60.3	1,244	580	46.6	311	111	35.4	43	8	
18 to 20 years.....	1,196	199	12.5	1,025	253	24.7	1,757	403	22.9	2,449	281	11.5	203	10	4.9
Under 6 years.....		79			58			44			33				
21 years and over.....		32			67			281			554			13	
Total attending school.....		3,047			3,075			2,534			1,523			46	
URBAN POPULATION.															
6 to 14 years.....	2,134	1,919	89.9	204	197	96.6	1,471	1,027	69.8	460	324	70.4	7	7	
15 to 20 years.....	1,802	535	29.7	370	327	88.4	2,198	779	35.4	1,386	318	22.9	36	7	
RURAL POPULATION.															
6 to 14 years.....	445	362	81.3	3,121	1,843	59.1	278	199	71.6	425	220	51.8	10	8	
15 to 20 years.....	351	120	34.2	1,744	583	33.4	803	204	25.4	1,377	74	5.4	210	11	5.2

TABLE 10.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER.

[Per cent not shown where base is less than 100.]

CLASS OF POPULATION.	BOTH SEXES.		MALE.		FEMALE.		CLASS OF POPULATION.	BOTH SEXES.		MALE.		FEMALE.	
	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.		Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.
THE STATE.													
Total illiterate, 1910.....	74,902	3.7	47,574	4.2	27,328	3.1	Total illiterate, 1910.....	30,813	2.4	16,706	2.6	14,108	2.4
Native white.....	7,509	0.5	3,899	0.5	3,610	0.5	Native white.....	3,052	0.3	1,376	0.3	1,676	0.4
Native parentage.....	4,323	0.5	2,264	0.5	2,059	0.5	Native parentage.....	1,726	0.3	765	0.3	961	0.4
Foreign or mixed parentage.....	3,186	0.6	1,635	0.6	1,551	0.6	Foreign or mixed parentage.....	1,326	0.4	611	0.4	715	0.4
Foreign-born white.....	50,292	10.0	32,137	10.1	18,155	9.8	Foreign-born white.....	23,178	7.1	12,391	6.5	10,787	8.1
Negro.....	1,329	7.1	601	6.1	728	8.2	Negro.....	936	5.9	339	4.2	597	7.6
Indian.....	6,174	49.0	2,932	45.4	3,242	52.7	Indian.....	35	4.5	18	4.5	17	4.5
Chinese.....	5,355	15.5	4,435	14.0	860	35.1	Chinese.....	2,385	10.4	1,668	8.0	717	34.0
Japanese.....	3,297	8.6	2,567	7.7	730	15.7	Japanese.....	1,117	6.6	806	5.6	311	11.8
All other.....	946	42.3	943	42.9	3		All other.....	110	29.4	107	30.7	3	
RURAL POPULATION.													
Total illiterate, 1910.....	58,959	4.8	36,444	5.3	22,515	4.2	Total illiterate, 1910.....	44,069	5.9	30,867	6.7	13,202	4.6
Native white.....	8,330	1.0	4,292	1.0	4,038	1.0	Native white.....	4,457	0.9	2,523	0.9	1,934	0.9
Native parentage.....	4,983	1.0	2,569	1.0	2,414	1.0	Native parentage.....	2,597	0.7	1,499	0.7	1,098	0.7
Foreign or mixed parentage.....	3,337	1.0	1,723	1.0	1,614	1.0	Foreign or mixed parentage.....	1,860	1.2	1,024	1.2	836	1.2
Foreign-born white.....	27,267	8.7	15,518	8.2	11,749	9.5	Foreign-born white.....	27,114	15.0	19,746	15.4	7,368	13.9
Negro.....	1,211	13.4	574	12.1	637	14.8	Negro.....	393	14.0	262	14.4	131	13.1
Indian.....	7,700	65.3	3,744	63.3	3,956	67.2	Indian.....	6,139	51.9	2,914	48.1	3,225	55.9
Chinese.....	12,488	28.2	10,454	25.2	2,034	73.6	Chinese.....	2,970	25.3	2,827	24.9	143	41.2
Japanese.....	1,973	19.7	1,862	19.5	111	22.2	Japanese.....	2,180	10.3	1,761	9.2	419	20.8
All other.....							All other.....	836	44.9	836	45.1		

## STATISTICS OF POPULATION.

591

TABLE 11.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER.

[Per cent not shown where base is less than 100.]

CLASS OF POPULATION AND AGE PERIOD.	MALES 15 YEARS OF AGE AND OVER.						FEMALES 15 YEARS OF AGE AND OVER.							
	Total. <sup>1</sup>	Single.		Married.		Widowed.	Divorced.	Total. <sup>1</sup>	Single.		Married.		Widowed.	Divorced.
		Number.	Per cent.	Number.	Per cent.				Number.	Per cent.	Number.	Per cent.		
THE STATE.														
Total, 1910.	1,047,583	480,222	45.8	495,538	47.3	48,423	10,784	786,160	219,546	27.9	459,167	58.4	95,949	10,499
Total, 1900.	623,708	304,284	48.8	280,007	44.9	29,385	4,066	471,614	149,764	31.1	309,277	65.2	69,048	4,268
15 to 19 years.	102,000	101,009	99.0	611	0.6	11	10	94,034	85,071	90.5	8,567	9.1	99	99
20 to 24 years.	131,064	109,792	83.8	19,403	14.8	235	212	103,057	52,620	51.1	48,639	47.2	792	869
25 to 34 years.	273,882	139,726	51.0	125,979	46.0	2,689	2,094	198,154	45,717	23.1	143,530	72.4	5,695	3,070
35 to 44 years.	315,624	62,925	20.0	141,382	65.6	6,157	3,117	159,481	20,117	12.6	123,047	77.2	12,804	3,425
45 years and over.	318,284	65,297	20.5	207,493	65.2	37,230	5,332	229,812	15,540	6.8	194,772	86.6	76,320	3,014
Age unknown.	6,739	1,614	24.0	679	9.9	95	19	1,622	461	28.4	622	38.3	259	26
Native white:														
Native parentage <sup>2</sup> .	429,129	184,243	42.9	213,416	49.7	20,196	5,481	368,388	105,639	28.7	212,375	57.6	44,118	5,744
15 to 24 years.	107,466	96,247	89.6	10,216	9.5	115	125	100,531	70,687	70.3	28,652	28.5	461	574
25 to 44 years.	188,650	67,493	35.8	113,310	60.1	3,755	2,672	158,727	27,744	17.5	119,118	75.1	8,220	3,507
45 years and over.	129,964	19,812	15.2	89,591	68.9	16,285	2,676	108,249	6,947	6.4	64,293	59.4	35,333	1,651
Foreign or mixed parentage <sup>2</sup> .	222,697	118,588	53.3	94,337	42.4	6,810	2,493	216,650	81,054	37.4	115,839	53.5	16,702	2,840
15 to 24 years.	67,482	62,690	92.9	4,521	6.7	65	60	69,185	52,408	75.8	16,077	23.2	231	281
25 to 44 years.	107,841	45,033	41.8	59,210	54.9	2,010	1,473	106,985	24,705	23.1	75,017	70.1	5,229	1,978
45 years and over.	47,079	10,743	22.8	30,617	65.0	4,722	958	46,227	3,794	9.4	24,349	61.2	11,205	575
Foreign-born white <sup>2</sup> .														
15 to 24 years.	314,192	132,118	42.1	156,333	49.8	17,289	2,568	181,149	28,778	15.9	117,950	65.1	32,571	1,655
25 to 44 years.	42,621	37,705	88.5	4,089	9.6	47	26	22,052	11,792	53.5	10,044	45.5	122	65
25 to 44 years.	151,422	67,433	44.5	77,251	51.0	2,404	917	81,751	12,251	15.0	64,543	78.7	4,259	847
45 years and over.	118,643	26,474	22.3	74,861	63.1	14,805	1,617	76,985	4,644	6.0	43,413	56.4	28,128	738
Negro <sup>2</sup> .														
15 to 24 years.	9,183	3,975	43.3	4,494	48.9	538	123	8,049	1,909	23.7	4,489	55.8	1,455	184
25 to 44 years.	1,962	1,705	86.9	236	12.0	9	5	1,973	1,254	63.6	447	32.8	42	27
45 years and over.	4,693	1,707	36.3	2,438	51.2	179	69	4,056	543	13.4	2,855	70.4	534	120
45 years and over.	2,473	458	18.5	1,604	64.9	346	49	1,972	104	5.3	969	49.1	865	34
Indian <sup>2</sup> .														
15 to 24 years.	5,554	2,063	37.1	2,794	50.3	580	65	5,270	1,191	22.6	3,119	59.2	845	67
25 to 44 years.	1,561	1,353	86.7	178	11.4	5	5	1,466	937	63.9	468	31.9	26	15
25 to 44 years.	2,047	548	26.8	1,312	64.1	135	42	1,525	208	10.8	1,525	78.9	158	37
45 years and over.	1,904	156	8.2	1,285	67.5	437	17	1,818	42	2.3	1,101	60.6	649	15
Chinese <sup>2</sup> .														
15 to 24 years.	31,337	14,751	47.1	13,997	44.7	628	8	2,110	450	21.3	1,455	69.0	188	3
25 to 44 years.	4,309	3,855	89.5	421	9.8	—	—	602	318	52.8	276	45.8	6	2
25 to 44 years.	9,670	4,064	41.4	5,262	54.4	89	3	1,061	106	10.0	881	83.0	67	2
45 years and over.	16,087	6,826	42.4	8,295	51.6	529	5	438	21	4.8	298	68.0	114	1
Japanese <sup>2</sup> .														
15 to 24 years.	33,312	23,154	69.5	9,320	28.0	324	45	4,510	522	11.6	3,916	86.8	63	6
25 to 44 years.	7,024	6,794	96.8	251	3.5	3	3	1,280	255	18.4	1,040	81.3	3	2
25 to 44 years.	23,820	15,500	65.1	7,900	33.2	232	35	3,095	275	8.9	2,778	90.8	37	4
45 years and over.	1,922	667	34.7	1,143	59.5	88	9	117	7	6.0	87	74.4	23	—
All other <sup>2</sup> .														
15 to 24 years.	2,189	1,400	64.0	687	31.4	58	1	34	2	—	24	—	7	—
25 to 44 years.	569	452	79.4	111	19.5	2	—	2	—	—	2	—	—	—
25 to 44 years.	1,363	843	61.8	478	35.1	32	—	2	2	—	2	—	4	—
45 years and over.	212	90	42.5	97	45.8	24	1	6	1	—	2	—	3	—
URBAN POPULATION.														
Total.	626,651	271,632	43.3	310,425	49.5	26,215	6,920	534,786	157,895	29.5	296,975	55.5	70,793	8,444
15 to 24 years.	137,775	123,194	89.4	12,775	9.3	154	165	131,639	93,715	71.2	36,342	27.6	629	748
25 to 44 years.	302,012	117,225	38.8	170,647	56.5	5,390	3,741	246,630	51,837	21.0	174,825	70.9	14,430	5,365
45 years and over.	181,898	30,170	16.6	126,606	69.6	20,608	3,002	155,314	11,975	7.7	85,381	55.0	55,561	2,303
Age unknown.	4,966	1,043	21.0	397	8.0	63	12	1,203	368	30.6	427	35.5	173	25
Native white—Native parentage.														
Native white—Native parentage.	249,201	103,683	41.6	127,926	51.3	10,562	3,352	236,212	71,819	30.4	128,240	54.3	31,228	4,753
Native white—Foreign or mixed par.	146,715	75,472	51.4	65,160	44.4	4,122	1,731	157,138	60,182	38.3	81,359	51.8	13,088	2,356
Foreign-born white.	188,144	70,823	37.6	99,600	52.9	10,636	1,704	129,598	23,187	17.9	79,987	61.7	24,933	1,341
Negro.	7,515	3,087	41.1	3,883	51.7	412	95	7,170	1,688	23.5	3,983	55.6	1,321	165
Indian.	3,307	256	83.4	44	14.3	6	1	293	222	75.8	56	19.1	12	2
Chinese.	20,106	8,190	40.7	9,755	48.5	363	6	1,809	398	22.0	1,239	68.5	160	2
Japanese.	14,319	9,946	69.5	3,916	27.3	98	30	2,542	399	15.7	2,092	82.3	44	5
All other.	344	175	50.9	141	41.0	16	1	24	—	—	17	—	7	—
RURAL POPULATION.														
Total.	420,942	208,660	49.6	185,113	44.0	20,208	3,864	251,374	61,651	24.5	162,192	64.5	25,156	2,055
15 to 24 years.	95,289	87,607	91.9	7,239	7.6	92	57	65,452	43,976	67.2	20,864	31.9	262	216
25 to 44 years.	187,494	85,426	45.6	96,714	51.6	3,456	1,470	111,053	13,997	12.6	91,742	82.6	4,069	1,130
45 years and over.	136,356	35,056	25.7	80,887	59.3	16,628	2,330	74,498	3,585	4.8	49,391	66.3	20,759	708
Age unknown.	1,773	571	32.2	273	15.4	32	7	419	93	22.2	195	46.5	66	1
Native white—Native parentage.														
Native white—Native parentage.	179,928	80,560	44.8	85,490	47.5	9,634	2,129	132,176	33,820	25.6	84,135	63.7	12,890	1,171
Native white—Foreign or mixed par.	75,982	43,116	56.7	29,277	38.5	2,688	762	59,512	20,872	35.1	34,480	57.9	3,614	484
Foreign-born white.	126,048	61,295	48.6	56,793	45.1	6,653	864	51,551	5,591	10.8	37,963	73.6	7,638	314
Negro.	1,668	888	53.2	611	36.6	126	28	879	221	25.1	504	57.3	134	19
Indian.	5,247	1,807	34.4	2,750	52.4	574	64	4,977	969	19.5	3,003	61.5	833	65
Chinese.	11,231	6,561	58.4	4,242	37.8	265	2	301	32	17.3	276	71.8	28	1
Japanese.	18,993	13,208	69.5	5,404	28.5	226	15	1,968	123	6.3	1,824	92.7	19	1
All other.	1,845	1,225	66.4	546	29.6	42	—	10	3	—	7	—	—	—

<sup>1</sup> Total includes persons whose marital condition is unknown.<sup>2</sup> Totals include persons of unknown age.

TABLE 12.—FOREIGN WHITE STOCK, BY NATIONALITY, FOR CITIES OF 100,000 OR MORE.

FOREIGN COUNTRY IN WHICH BORN, OR, IF NATIVE, IN WHICH PARENTS WERE BORN.	WHITE POPULATION OF FOREIGN BIRTH OR FOREIGN PARENTAGE: 1910							Foreign-born white population: 1900	FOREIGN COUNTRY IN WHICH BORN, OR, IF NATIVE, IN WHICH PARENTS WERE BORN.	WHITE POPULATION OF FOREIGN BIRTH OR FOREIGN PARENTAGE: 1910							Foreign-born white population: 1900
	Total.		Foreign born.		Native.					Total.		Foreign born.		Native.			
	Number.	Per cent.	Number.	Per cent.	Both parents foreign born.	One* parent foreign born.	Number.			Per cent.	Number.	Per cent.	Both parents foreign born.	One parent foreign born.			
LOS ANGELES.																	
All countries.....	135,340	100.0	60,584	100.0	45,715	29,041	17,917	Ireland.....	12,804	9.5	3,877	6.4	5,209	3,718	1,720		
Australia.....	325	0.2	220	0.4	13	92	77	Italy.....	6,461	4.8	3,802	6.3	2,289	370	716		
Austria.....	3,637	2.7	2,510	4.1	742	385	353	Mexico.....	8,917	6.6	5,611	9.3	2,285	1,011	813		
Canada—French.....	1,336	1.0	592	1.0	289	455	213	Norway.....	1,943	1.4	1,063	1.7	656	284	163		
Canada—Other.....	14,574	10.8	7,657	12.6	1,769	5,157	2,675	Portugal.....	333	0.2	128	0.2	129	76	22		
Denmark.....	2,040	1.5	1,096	1.8	598	346	239	Russia.....	7,478	5.5	4,758	7.9	2,496	314	293		
England.....	16,920	12.5	7,575	12.5	3,697	5,738	3,016	Scotland.....	3,900	2.9	1,589	2.6	942	1,369	573		
Finland.....	332	0.2	261	0.4	58	13	10	Spain.....	759	0.6	384	0.6	211	164	99		
France.....	4,028	3.0	1,914	3.2	1,155	959	993	Sweden.....	6,150	4.5	3,414	5.6	2,094	732	808		
Germany.....	28,591	21.1	9,683	16.0	12,494	6,414	4,032	Switzerland.....	1,690	1.2	828	1.4	419	443	370		
Greece.....	420	0.3	361	0.6	20	39	20	Turkey.....	704	0.5	505	0.8	178	21	13		
Holland.....	808	0.6	408	0.7	218	182	86	Wales.....	1,155	0.9	414	0.7	368	373	156		
Hungary.....	1,136	0.8	819	1.4	260	57	60	All other.....	18,899	6.6	1,175	1.9	7,395	329	347		
OAKLAND.																	
All countries.....	86,758	100.0	36,822	100.0	32,949	16,987	16,233	Ireland.....	12,411	14.3	4,169	11.3	5,428	2,823	3,197		
Atlantic islands.....	414	0.5	211	0.6	165	38	291	Italy.....	6,447	7.4	3,800	10.3	2,228	419	613		
Australia.....	636	0.7	402	1.1	26	208	151	Mexico.....	458	0.5	249	0.7	190	109	93		
Austria.....	1,829	2.1	1,267	3.4	365	197	177	Norway.....	1,820	2.1	996	2.7	566	258	344		
Canada—French.....	616	0.7	245	0.7	117	224	223	Portugal.....	8,310	9.6	3,567	9.1	3,999	944	1,018		
Canada—Other.....	6,205	7.2	2,881	7.8	871	2,453	1,538	Russia.....	1,317	1.5	799	2.2	441	77	175		
Denmark.....	2,627	3.0	1,461	4.0	861	305	571	Scotland.....	3,044	3.5	1,322	3.6	771	951	703		
England.....	8,990	10.4	3,707	10.1	2,135	3,148	2,022	Spain.....	240	0.3	101	0.3	60	79	28		
Finland.....	469	0.5	319	0.9	126	24	40	Sweden.....	4,134	4.8	2,537	6.3	1,395	462	994		
France.....	2,346	2.7	1,204	3.3	690	452	407	Switzerland.....	1,228	1.4	618	1.7	371	239	285		
Germany.....	14,693	16.9	5,476	14.9	6,150	3,067	2,750	Turkey.....	158	0.2	112	0.3	34	12	5		
Greece.....	517	0.6	470	1.3	30	17	16	Wales.....	638	0.7	267	0.7	174	197	134		
Holland.....	299	0.3	165	0.4	71	63	33	All other.....	16,544	7.5	638	1.7	5,642	264	287		
Hungary.....	368	0.4	248	0.7	103	17	128										
SAN FRANCISCO.																	
All countries.....	284,655	100.0	130,874	100.0	107,293	46,488	104,284	Ireland.....	66,784	23.5	23,151	17.7	31,262	12,371	15,961		
Atlantic islands.....	261	0.1	136	0.1	83	42	83	Italy.....	29,081	10.2	16,918	12.9	10,266	1,967	7,508		
Australia.....	2,222	0.8	1,347	1.0	94	781	1,095	Mexico.....	2,807	1.0	1,763	1.3	568	476	1,439		
Austria.....	7,167	2.5	4,641	3.5	1,674	852	2,066	Norway.....	5,185	1.8	3,769	2.9	966	450	2,172		
Canada—French.....	1,064	0.4	474	0.4	227	363	429	Portugal.....	1,354	0.5	570	0.4	573	211	529		
Canada—Other.....	11,680	4.1	5,687	4.3	1,685	4,308	4,761	Russia.....	7,410	2.6	4,640	3.5	2,185	585	2,049		
Denmark.....	4,818	1.7	3,118	2.4	1,125	575	2,170	Scotland.....	7,120	2.5	3,668	2.8	1,572	1,880	3,000		
England.....	20,455	7.2	9,815	7.5	4,235	6,405	8,953	Spain.....	1,720	0.6	1,170	0.9	241	209	233		
Finland.....	2,411	0.8	1,846	1.4	509	56	935	Sweden.....	10,599	3.7	6,969	5.2	2,767	863	5,246		
France.....	10,357	3.6	6,244	4.8	2,687	1,426	4,867	Switzerland.....	4,416	1.6	2,587	2.0	1,245	584	2,065		
Germany.....	59,401	20.9	24,337	18.4	24,753	10,511	35,303	Turkey.....	862	0.3	722	0.6	117	23	117		
Greece.....	2,418	0.8	2,274	1.7	119	25	199	Wales.....	1,069	0.4	401	0.3	292	376	386		
Holland.....	833	0.3	500	0.4	159	174	244	All other.....	21,350	7.5	3,080	2.4	17,455	815	2,119		
Hungary.....	1,811	0.6	1,247	1.0	394	170	315										

\* Includes native whites whose parents were born in different foreign countries; for example, one parent in Ireland and the other in Scotland.

TABLE 13.—AGE, FOR CITIES OF 100,000 OR MORE.

AGE PERIOD.	TOTAL.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.		INDIAN.		CHINESE.		JAPANESE.		ALL OTHER.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
<b>Los Angeles.</b>	<b>162,868</b>	<b>156,529</b>	<b>120,327</b>	<b>124,396</b>	<b>33,275</b>	<b>27,309</b>	<b>3,682</b>	<b>3,917</b>	<b>36</b>	<b>45</b>	<b>1,788</b>	<b>166</b>	<b>3,546</b>	<b>692</b>	<b>15</b>	<b>4</b>
Under 5 years.....	11,508	11,309	10,798	10,605	268	267	265	291	4	1	43	30	130	115	.....	.....
Under 1 year.....	2,484	2,314	2,359	2,195	36	16	59	55	1	1	8	5	32	42	.....	.....
5 to 9 years.....	10,205	10,313	9,201	9,299	704	679	243	272	1	3	38	29	25	30	.....	.....
10 to 14 years.....	10,420	10,579	9,300	9,428	809	834	253	284	1	1	38	16	19	16	.....	.....
15 to 19 years.....	12,553	13,053	10,575	11,486	1,412	1,149	280	364	3	9	97	13	183	32	3	.....
20 to 24 years.....	15,981	16,034	12,032	13,067	2,785	2,359	363	426	1	9	82	13	177	140	1	.....
25 to 34 years.....	35,833	32,350	24,707	24,903	8,028	6,243	844	890	19	15	228	28	1,758	270	9	.....
35 to 44 years.....	27,580	26,252	18,690	19,367	7,240	6,093	677	692	3	2	379	24	590	73	1	.....
45 to 64 years.....	31,004	28,635	20,006	20,683	6,376	7,333	655	589	1	5	851	12	114	12	1	.....
65 years and over.....	7,635	7,804	4,902	5,395	2,599	2,317	93	91	.....	.....	40	1	1	.....	.....	.....
Age unknown.....	190	200	116	148	54	35	9	18	.....	.....	2	.....	9	4	.....	.....
<b>Oakland.</b>	<b>78,222</b>	<b>71,952</b>	<b>51,496</b>	<b>53,638</b>	<b>20,554</b>	<b>15,966</b>	<b>1,614</b>	<b>1,441</b>	<b>8</b>	<b>12</b>	<b>3,088</b>	<b>523</b>	<b>1,151</b>	<b>359</b>	<b>13</b>	<b>1</b>
Under 5 years.....	6,383	6,192	6,055	5,857	102	83	107	109	1	1	65	63	80	80	.....	.....
Under 1 year.....	1,831	1,338	1,266	1,279	5	25	25	25	.....	.....	12	13	23	21	.....	.....
5 to 9 years.....	5,325	5,350	4,823	4,891	301	294	97	86	.....	1	80	61	24	17	.....	.....
10 to 14 years.....	5,124	5,344	4,639	4,838	319	345	53	78	1	.....	102	74	9	9	.....	.....
15 to 19 years.....	5,990	6,539	5,093	5,671	539	501	94	107	.....	.....	201	46	63	14	.....	.....
20 to 24 years.....	6,578	7,519	5,299	6,027	1,644	1,220	173	147	.....	.....	220	54	240	70	.....	.....
25 to 34 years.....	16,436	14,377	10,703	10,511	5,094	3,292	420	355	2	5	396	84	454	130	7	.....
35 to 44 years.....	13,226	11,060	7,315	7,226	4,682	3,451	326	271	1	2	668	67	231	42	3	.....
45 to 64 years.....	14,440	12,043	6,698	6,825	6,204	4,908	294	235	1	3	1,268	67	63	5	1	.....
65 years and over.....	3,657	3,705	1,569	1,776	1,351	1,860	49	32	.....	.....	86	1	1	.....	.....	.....
Age unknown.....	53	23	21	16	18	5	1	1	.....	.....	10	.....	3	1	.....	.....
<b>San Francisco.</b>	<b>236,961</b>	<b>180,011</b>	<b>141,834</b>	<b>127,306</b>	<b>80,895</b>	<b>49,679</b>	<b>1,025</b>	<b>617</b>	<b>28</b>	<b>18</b>	<b>9,235</b>	<b>1,347</b>	<b>3,675</b>	<b>813</b>	<b>109</b>	<b>1</b>
Under 5 years.....	14,866	14,312	14,234	13,714	288	274	52	49	2	2	163	139	127	134	.....	.....
Under 1 year.....	3,169	2,984	3,086	2,914	18	12	11	11	.....	.....	19	14	33	33	.....	.....
5 to 9 years.....	12,522	12,386	11,410	11,399	882	758	34	27	2	1	152	154	42	47	.....	.....
10 to 14 years.....	12,379	12,443	11,076	11,282	922	967	238	37	.....	1	297	126	24	30	.....	.....
15 to 19 years.....	16,871	15,594	13,793	13,782	2,083	1,643	63	44	2	2	738	112	185	40	7	.....
20 to 24 years.....	26,070	20,419	16,897	15,602	7,418	4,408	120	75	6	5	848	167	762	162	19	.....
25 to 34 years.....	58,847	39,496	32,545	27,428	22,937	11,420	331	157	6	3	1,475	284	1,510	304	43	.....
35 to 44 years.....	43,254	28,745	22,256	18,065	18,341	10,274	195	114	2	2	1,764	196	669	93	27	.....
45 to 64 years.....	40,343	28,298	16,457	15,467	13,388	14,583	156	61	1	1	2,608	150	143	28	12	.....
65 years and over.....	8,270	7,758	2,152	2,277	5,982	5,446	41	23	1	.....	93	12	1	.....	.....	.....
Age unknown.....	3,479	459	1,314	320	844	124	5	3	.....	.....	1,104	7	212	5	.....	.....

TABLE 14.—AGE, FOR CITIES OF 25,000 TO 100,000.

AGE PERIOD.	TOTAL.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.		INDIAN, CHINESE, JAPANESE, AND ALL OTHER.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
<b>Berkeley.</b>	<b>19,618</b>	<b>20,816</b>	<b>14,514</b>	<b>16,626</b>	<b>3,938</b>	<b>3,717</b>	<b>102</b>	<b>145</b>	<b>986</b>	<b>226</b>
Under 5 years.....	1,646	1,500	1,574	1,531	28	16	9	6	35	37
Under 1 year.....	364	301	354	288	.....	.....	.....	1	10	12
5 to 9 years.....	1,385	1,459	1,311	1,375	47	61	12	9	15	14
10 to 14 years.....	1,546	1,549	1,447	1,439	67	81	10	15	22	14
15 to 19 years.....	1,892	1,777	1,662	1,774	139	111	11	11	90	23
20 to 24 years.....	2,040	2,203	1,594	1,832	261	315	8	14	207	42
25 to 34 years.....	3,699	3,912	2,511	3,044	853	767	14	37	321	64
35 to 44 years.....	2,911	3,288	1,920	2,448	821	790	18	25	152	25
45 to 64 years.....	3,324	3,840	2,047	2,657	1,350	1,156	17	22	110	5
65 years and over.....	865	1,115	472	716	386	391	2	6	5	2
Age unknown.....	10	13	6	12	3	1	.....	.....	.....	.....
<b>Pasadena.</b>	<b>13,684</b>	<b>16,607</b>	<b>11,074</b>	<b>13,819</b>	<b>1,939</b>	<b>2,358</b>	<b>342</b>	<b>402</b>	<b>329</b>	<b>28</b>
Under 5 years.....	1,042	997	984	935	24	24	.....	.....	.....	.....
Under 1 year.....	203	214	196	203	3	3	.....	.....	.....	.....
5 to 9 years.....	984	1,009	917	955	34	31	31	22	2	1
10 to 14 years.....	1,117	1,096	1,039	946	46	40	25	31	1	.....
15 to 19 years.....	1,147	1,241	1,042	1,151	61	54	27	34	17	3
20 to 24 years.....	1,136	1,339	935	1,169	110	142	20	24	71	4
25 to 34 years.....	2,216	2,914	1,661	2,292	377	532	55	81	123	9
35 to 44 years.....	2,058	2,777	1,325	2,114	415	583	72	79	46	1
45 to 64 years.....	2,893	3,807	2,154	3,047	611	682	68	77	60	1
65 years and over.....	1,140	1,373	882	1,098	269	258	9	17	.....	.....
Age unknown.....	49	33	28	19	11	6	.....	.....	.....	.....
<b>Sacramento.</b>	<b>25,332</b>	<b>18,364</b>	<b>17,183</b>	<b>15,637</b>	<b>5,713</b>	<b>3,172</b>	<b>270</b>	<b>216</b>	<b>2,168</b>	<b>339</b>
Under 5 years.....	1,574	1,506	1,477	1,421	15	22	15	14	67	49
Under 1 year.....	348	308	331	301	1	.....	3	2	13	5
5 to 9 years.....	1,339	1,304	1,234	1,212	51	49	12	12	42	31
10 to 14 years.....	1,386	1,347	1,270	1,222	64	57	11	16	41	22
15 to 19 years.....	1,805	1,825	1,653	1,71	171	125	22	27	137	20
20 to 24 years.....	2,650	2,290	1,823	1,917	559	264	19	26	249	53
25 to 34 years.....	6,343	3,940	3,940	3,193	1,638	652	79	35	695	109
35 to 44 years.....	4,673	3,188	2,911	2,464	1,235	635	60	45	467	44
45 to 64 years.....	4,561	3,017	2,554	2,049	1,525	923	50	35	432	10
65 years and over.....	969	905	471	457	43	441	11	6	34	1
Age unknown.....	32	23	28	19	2	4	.....	.....	.....	.....

TABLE 14.—AGE, FOR CITIES OF 25,000 TO 100,000—Continued.

AGE PERIOD.	TOTAL.		NATIVE WHITE.		FOREIGN-BORN WHITE.		NEGRO.		INDIAN, CHINESE, JAPANESE, AND ALL OTHER.	
	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
<b>San Diego.</b>	<b>20,726</b>	<b>18,852</b>	<b>15,688</b>	<b>15,431</b>	<b>4,260</b>	<b>3,086</b>	<b>300</b>	<b>297</b>	<b>478</b>	<b>38</b>
Under 5 years.....	1,369	1,320	1,320	1,206	29	37	15	14	5	3
Under 1 year.....	282	270	277	264	3	2	1	1	2	1
5 to 9 years.....	1,327	1,262	1,213	1,174	102	67	10	17	2	4
10 to 14 years.....	1,330	1,369	1,215	1,237	88	112	17	17	10	3
15 to 19 years.....	1,553	1,579	1,347	1,416	165	132	18	29	23	2
20 to 24 years.....	1,782	1,810	1,405	1,540	310	225	28	40	39	5
25 to 34 years.....	3,350	3,216	2,634	2,568	780	570	64	66	94	12
35 to 44 years.....	3,154	2,955	2,167	2,281	831	618	65	50	91	6
45 to 64 years.....	4,592	3,911	2,988	2,888	1,368	971	60	50	176	2
65 years and over.....	1,741	1,347	1,134	998	583	335	12	14	12	1
Age unknown.....	286	83	225	63	24	19	11	11	26	1
<b>San Jose.</b>	<b>14,399</b>	<b>14,647</b>	<b>10,495</b>	<b>11,740</b>	<b>3,232</b>	<b>2,585</b>	<b>83</b>	<b>99</b>	<b>589</b>	<b>123</b>
Under 5 years.....	1,154	1,102	1,121	1,057	17	18	6	9	10	18
Under 1 year.....	250	220	247	223	3	3	1	1	1	3
5 to 9 years.....	1,029	1,033	963	976	51	40	4	6	11	11
10 to 14 years.....	1,036	1,081	957	1,013	65	61	4	2	10	5
15 to 19 years.....	1,182	1,368	1,057	1,259	99	99	2	4	24	6
20 to 24 years.....	1,234	1,476	949	1,233	232	269	4	15	49	19
25 to 34 years.....	2,594	2,557	1,818	2,066	630	430	15	21	131	40
35 to 44 years.....	2,296	2,233	1,503	1,696	650	501	18	15	123	21
45 to 64 years.....	2,806	2,096	1,615	1,876	1,057	794	26	23	197	3
65 years and over.....	953	498	653	429	429	4	4	4	10	10
Age unknown.....	26	15	14	11	2	4	4	4	10	10

TABLE 15.—SEX, FOR CITIES OF 25,000 OR MORE.

CITY.	1910			1900			CITY.	1910			1900		
	Male.	Female.	Males to 100 females.	Male.	Female.	Males to 100 females.		Male.	Female.	Males to 100 females.	Male.	Female.	Males to 100 females.
Berkeley.....	19,518	20,916	93.3	6,419	6,795	94.5	Sacramento.....	25,332	19,364	130.8	15,747	13,535	116.3
Los Angeles.....	162,669	156,529	103.9	50,519	51,960	97.2	San Diego.....	20,726	18,852	109.9	8,779	8,921	98.4
Oakland.....	78,222	71,952	108.7	32,921	34,039	96.7	San Francisco.....	236,901	180,011	131.6	184,866	157,916	117.1
Pasadena.....	13,684	16,467	82.4	4,073	5,044	80.7	San Jose.....	14,399	14,547	99.0	10,215	11,255	90.5

TABLE 16.—MARITAL CONDITION, FOR CITIES OF 25,000 OR MORE.

[Per cent not shown where base is less than 100.]

CLASS OF POPULATION AND AGE PERIOD.	MALES 15 YEARS OF AGE AND OVER.								FEMALES 15 YEARS OF AGE AND OVER.							
	Single.		Married.		Widowed.		Divorced.	Total. <sup>1</sup>	Single.		Married.		Widowed.		Divorced.	Total. <sup>1</sup>
	Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.			Num-ber.	Per-cent.	Num-ber.	Per-cent.	Num-ber.	Per-cent.		
<b>Berkeley</b>	<b>14,941</b>	<b>6.069</b>	<b>40.6</b>	<b>8.253</b>	<b>55.2</b>	<b>561</b>	<b>84</b>	<b>16,318</b>	<b>5.535</b>	<b>33.9</b>	<b>7.959</b>	<b>48.8</b>	<b>2,846</b>	<b>9</b>	<b>563</b>	<b>1,228</b>
15 to 24 years.....	3,932	3.626	92.2	279	7.1	1	3	4,150	3.299	79.5	813	19.6	9	22	3	457
25 to 44 years.....	6,610	2.654	31.1	4,397	66.5	96	49	7,200	1,832	25.4	4,559	63.3	347	47	1,072	1,545
45 years and over.....	4,389	375	8.5	3,573	81.4	403	32	4,955	402	8.1	2,579	52.0	1,888	84	2,972	5,927
Age unknown.....	10	4		4	1	1		13	2		8		2		10	10
Native white—Native parentage.....	6,471	2.603	40.2	3,598	55.6	210	45	7,807	2,808	36.0	3,339	42.8	1,179	474	1,799	2,293
Native white—Foreign or mixed parentage.....	3,711	1,865	50.3	1,735	46.8	80	21	4,676	1,890	40.4	2,367	49.3	419	54	1,192	1,765
Foreign-born white.....	3,794	985	26.0	2,576	67.9	204	15	4,573	772	21.7	2,127	59.8	629	29	1,388	2,991
Negro.....	71	27		40	2	1		115	41	35.7	52	45.2	17	5	74	137
Indian.....	2							2								2
Chinese.....	372	237	63.7	131	35.2	1		28	16		10		2		38	104
Japanese.....	493	333	67.5	153	31.0	4	2	151	6	4.6	124	94.7			1	157
All other.....	29															29
<b>Los Angeles</b>	<b>130,536</b>	<b>51.601</b>	<b>39.5</b>	<b>71,807</b>	<b>65.0</b>	<b>5,559</b>	<b>1,443</b>	<b>124,328</b>	<b>35.307</b>	<b>28.4</b>	<b>70,635</b>	<b>58.8</b>	<b>16,544</b>	<b>1,728</b>	<b>1,928</b>	<b>2,656</b>
15 to 24 years.....	28,534	25.110	88.0	3,256	11.5	42	34	29,087	20,672	69.9	8,701	29.9	168	145	1,145	1,408
25 to 44 years.....	63,173	21,497	34.0	39,665	62.7	1,216	775	58,602	12,369	21.1	41,290	70.5	3,827	1,072	5,904	6,379
45 years and over.....	38,639	4,839	12.5	28,845	74.7	4,290	632	36,439	2,842	7.8	20,571	56.5	12,514	504	33,085	39,393
Age unknown.....	190	35	28.9	71	37.4	11	2	200	64	32.0	73	36.5	35	7	100	135
Native white—Native parentage.....	66,333	25.646	38.7	36,737	55.4	2,947	886	66,565	19,186	28.8	37,059	55.7	9,170	1,090	45,705	51,975
Native white—Foreign or mixed parentage.....	24,695	11,240	45.5	12,426	50.3	756	245	28,499	10,325	36.2	15,149	53.2	2,633	368	31,177	34,180
Foreign-born white.....	31,494	10,647	33.8	18,855	59.9	1,670	275	25,529	5,018	19.7	16,108	63.1	4,157	221	29,686	33,706
Negro.....	2,921	1,002	34.3	1,747	59.8	144	25	3,070	668	21.8	1,753	58.1	568	47	1,589	2,167
Indian.....	27	17						40			15			1	57	97
Chinese.....	1,679	555	33.1	1,089	64.9	24		91	15		68		7	1	159	217
Japanese.....	3,372	2,387	70.8	935	27.7	18	12	531	71	13.4	452	85.1	7	7	538	599
All other.....	15			8				3			1				15	15

<sup>1</sup> Total includes persons whose marital condition is unknown.

## STATISTICS OF POPULATION.

595

TABLE 16.—MARITAL CONDITION, FOR CITIES OF 25,000 OR MORE—Continued.

[Per cent not shown where base is less than 100.]

CLASS OF POPULATION AND AGE PERIOD.	MALES 15 YEARS OF AGE AND OVER.						FEMALES 15 YEARS OF AGE AND OVER.							
	Total. <sup>1</sup>	Single.		Married.		Wid- owed.	Di- vorced.	Total. <sup>1</sup>	Single.		Married.		Wid- owed.	Di- vorced.
		Num- ber.	Per cent.	Num- ber.	Per cent.				Num- ber.	Per cent.	Num- ber.	Per cent.		
<b>Oakland</b>														
Total.....	61,380	24,891	40.6	37,761	53.4	2,568	678	55,066	15,423	28.0	31,310	56.9	7,464	822
15 to 24 years.....	13,568	12,204	89.9	1,313	9.7	0	18	13,858	9,737	70.3	3,960	28.6	54	84
25 to 44 years.....	29,662	10,128	34.1	18,505	62.4	467	368	25,437	4,631	18.2	18,835	74.0	1,460	501
45 years and over.....	18,097	2,543	14.1	12,929	71.4	2,091	289	15,748	1,050	6.7	8,506	54.0	5,944	237
Age unknown.....	53	16		11		1	1	23	5		9		8	
Native white—Native parentage.....	19,751	7,563	38.3	11,030	55.8	850	287	19,691	5,720	29.0	10,782	54.8	2,786	354
Native white—Foreign or mixed parentage.....	16,228	8,446	52.0	7,193	44.3	394	185	18,361	7,060	38.5	9,630	52.4	1,383	278
Foreign-born white.....	20,132	6,639	33.0	12,104	60.1	1,179	184	15,246	2,302	15.1	9,782	64.2	3,017	132
Negro.....	1,357	617	45.5	650	47.9	72	17	1,168	241	20.6	665	56.9	231	29
Indian.....	2	6		2				11	3		5		3	
Chinese.....	2,839	929	32.7	1,419	50.0	65	3	325	61	18.8	222	68.3	40	
Japanese.....	1,055	686	65.0	360	34.1	6	2	263	36	13.7	223	84.8	4	
All other.....	12	9		3				1			1			
<b>Pasadena</b>														
Total.....	10,659	3,588	33.8	6,387	59.9	599	58	13,484	4,588	34.1	8,462	48.3	2,101	121
15 to 24 years.....	2,283	2,068	90.6	206	9.0	1	2	2,580	2,062	79.9	493	19.1	13	7
25 to 44 years.....	4,274	1,199	28.1	2,908	68.0	148	18	5,691	1,821	32.0	3,469	61.0	337	61
45 years and over.....	4,053	297	7.3	3,266	80.6	448	37	5,180	708	13.7	2,669	51.5	1,747	77
Age unknown.....	49	22		7		2		33	7		11		4	1
Native white—Native parentage.....	6,426	2,071	32.2	3,903	60.7	398	36	8,304	2,755	33.2	4,105	49.4	1,355	78
Native white—Foreign or mixed parentage.....	1,801	740	41.1	995	55.2	65	11	2,586	1,067	41.3	1,201	46.4	291	24
Foreign-born white.....	1,854	458	24.7	1,251	67.5	130	7	2,257	708	31.4	1,139	50.5	391	13
Negro.....	257	69	26.8	170	66.1	14	1	319	65	20.4	183	57.4	63	6
Indian.....								2						
Chinese.....	100	72	72.0	28	28.0			1	1					
Japanese.....	221	176	79.6	40	18.1	2		15	2		12		1	
All other.....														
<b>Sacramento</b>														
Total.....	21,033	10,085	48.0	9,654	45.9	882	305	15,207	4,283	28.2	8,612	56.6	2,013	287
15 to 24 years.....	4,455	3,983	89.4	451	10.1	7	6	4,085	2,715	66.5	1,314	32.2	19	35
25 to 44 years.....	11,016	4,859	44.1	5,694	51.7	218	179	7,177	1,317	18.4	5,268	73.4	413	174
45 years and over.....	5,530	1,212	22.3	3,499	63.3	657	120	3,922	245	6.2	2,018	51.5	1,579	77
Age unknown.....	32	12		10				23	6		12		2	1
Native white—Native parentage.....	8,035	3,679	45.8	3,835	47.7	349	154	6,661	2,061	30.9	3,628	54.5	813	154
Native white—Foreign or mixed parentage.....	5,167	2,572	49.8	2,322	44.9	179	84	5,091	1,678	33.0	2,866	56.3	461	82
Foreign-born white.....	5,583	2,355	42.4	2,642	47.3	330	62	3,044	446	14.7	1,839	60.4	707	49
Negro.....	232	117	50.4	101	43.5	9	3	174	49	28.2	95	54.8	28	2
Indian.....	3	3												
Chinese.....	924	406	43.9	501	54.2	5	1	47	7		39		1	
Japanese.....	1,085	773	71.2	251	23.1	9	1	189	42	22.2	144	76.2	3	
All other.....	4	1		2		1		1			1			
<b>San Diego</b>														
Total.....	16,700	8,718	40.2	8,512	51.0	985	224	14,901	4,200	28.2	8,317	55.8	2,158	202
15 to 24 years.....	3,335	2,994	89.5	328	9.8	3	6	3,389	2,406	71.0	928	27.4	26	22
25 to 44 years.....	10,211	3,746	37.2	3,953	38.6	153	114	6,841	1,278	20.7	4,772	70.8	412	106
45 years and over.....	6,333	1,184	18.7	4,206	66.4	825	103	5,258	478	9.1	2,991	56.9	1,715	74
Age unknown.....	286	37	12.9	25	8.7	4	1	83	38		26		5	
Native white—Native parentage.....	8,951	3,452	38.6	4,627	51.7	550	124	8,639	2,469	28.6	4,722	54.7	1,297	132
Native white—Foreign or mixed parentage.....	2,969	1,368	46.1	1,442	48.6	118	37	3,115	1,104	35.4	1,678	53.9	301	31
Foreign-born white.....	4,061	1,598	39.3	2,106	51.9	292	50	2,870	561	19.5	1,766	61.5	507	32
Negro.....	238	103	39.9	111	43.0	20	12	249	59	23.7	133	53.4	51	6
Indian.....	2													
Chinese.....	324	90	27.8	198	61.1	2	1	10	5		5		2	
Japanese.....	134	104	77.6	27	20.1	2		14			13			1
All other.....	1					1								
<b>San Francisco</b>														
Total.....	197,134	96,430	48.9	81,243	41.2	7,451	2,532	140,870	44,858	31.8	74,790	53.1	18,260	2,694
15 to 24 years.....	42,941	38,574	89.4	4,304	10.1	42	48	36,013	26,025	72.3	9,524	26.4	160	227
25 to 44 years.....	102,101	46,451	45.5	48,931	47.9	1,698	1,460	68,341	15,633	22.9	46,794	68.5	4,033	1,787
45 years and over.....	48,613	10,971	22.6	29,877	61.5	5,688	1,019	36,057	3,048	8.5	18,314	50.8	13,997	670
Age unknown.....	3,479	614	17.6	331	9.5	23	5	459	152	33.1	158	34.4	50	10
Native white—Native parentage.....	48,504	25,365	52.3	17,909	36.9	1,466	936	34,952	12,520	35.8	17,279	49.4	3,991	1,038
Native white—Foreign or mixed parentage.....	56,610	32,040	56.6	22,174	39.2	1,467	809	55,959	23,038	41.2	27,503	49.1	4,299	941
Foreign-born white.....	78,873	32,862	41.7	35,844	45.4	4,315	702	47,880	8,767	18.3	28,668	59.9	9,793	1,941
Negro.....	911	526	57.7	308	33.8	55	13	504	152	30.2	251	50.4	76	22
Indian.....	23	15		7				14	5		7		1	
Chinese.....	8,623	3,329	38.6	3,988	46.2	110	1	928	242	26.1	601	64.8	81	
Japanese.....	3,482	2,247	64.5	964	27.7	25	11	632	134	21.2	478	75.6	18	2
All other.....	108	46	42.6	49	45.4	12		1						
<b>San Jose</b>														
Total.....	11,180	4,328	38.7	6,122	54.8	579	105	11,331	3,491	30.8	5,965	52.6	1,705	157
15 to 24 years.....	2,416	2,131	88.2	272	11.3	5	1	2,844	2,064	72.6	748	26.3	15	14
25 to 44 years.....	4,890	1,620	33.1	3,099	63.4	104	56	4,790	1,102	23.0	3,287	68.6	304	93
45 years and over.....	3,848	575	14.9	2,745	71.3	469	48	3,682	320	8.7	1,926	52.3	1,381	49
Age unknown.....	26	2		6		1		15	5		4		5	1
Native white—Native parentage.....	4,528	1,753	38.7	2,440	53.9	257	50	5,200	1,676	32.2	2,736	50.7	786	98
Native white—Foreign or mixed parentage.....	2,926	1,371	46.9	1,417	48.4	98	38	3,494	1,427	40.8	1,711	49.0	313	38
Foreign-born white.....	3,099	911	29.4	1,885	60.8	211	16	2,466	357	14.5	1,495	60.6	592	18
Negro.....	69	21		42		5	1	82	16				14	3
Indian.....	1	1												
Chinese.....	312	123	39.4	171	54.8	8		23	6		17			
Japanese.....	242	146	60.3	96	39.7			65	9		56			
All other.....	3	2		1										

<sup>1</sup> Total includes persons whose marital condition is unknown.

TABLE 17.—INDIAN, CHINESE, AND JAPANESE POPULATION, BY COUNTIES.

COUNTY.	INDIAN.			CHINESE.			JAPANESE.		
	1910	1900	1890	1910	1900	1890	1910	1900	1890
<b>The state.....</b>	<b>16,371</b>	<b>15,377</b>	<b>16,624</b>	<b>36,248</b>	<b>45,753</b>	<b>72,472</b>	<b>41,356</b>	<b>10,151</b>	<b>1,147</b>
Alameda.....	41	71	25	4,588	2,211	3,311	3,266	1,149	184
Alpine.....	94	142	224	1	5	5	2	.....	3
Amador.....	143	130	58	101	153	324	.....	.....	.....
Butte.....	298	201	319	572	712	1,530	295	365	3
Calaveras.....	101	100	77	49	148	326	3	4	3
Colusa.....	169	121	277	218	274	924	140	53	5
Contra Costa.....	3	8	3	550	627	465	1,009	279	11
Del Norte.....	337	299	376	1	.....	7	.....	.....	2
Eldorado.....	177	138	136	58	206	518	31	30	2
Fresno.....	313	520	347	1,377	1,775	2,736	2,233	598	12
Glenn.....	32	24	.....	129	227	.....	33	14	1
Humboldt.....	1,632	1,728	1,379	6	5	19	6	.....	.....
Imperial.....	682	.....	.....	32	.....	.....	217	.....	.....
Inyo.....	792	940	850	100	67	89	41	.....	.....
Kern.....	220	344	337	841	906	1,124	273	48	3
Kings.....	32	51	.....	358	417	.....	293	156	.....
Lake.....	433	428	556	24	82	210	3	3	.....
Lassen.....	410	381	335	13	28	41	6	2	.....
Los Angeles.....	97	69	144	2,502	3,209	4,424	8,461	204	36
Madera.....	419	401	.....	211	229	.....	32	19	.....
Marin.....	26	25	31	555	489	915	199	52	24
Mariposa.....	192	173	152	69	102	181	3	.....	.....
Mendocino.....	1,170	1,353	581	263	218	359	77	23	1
Merced.....	.....	4	30	278	357	746	98	43	.....
Modoc.....	546	503	499	11	6	22	1	.....	.....
Mono.....	356	389	368	21	120	146	14	1	.....
Monterey.....	29	26	58	575	857	1,667	1,121	710	1
Napa.....	6	18	15	205	541	875	103	6	6
Nevada.....	52	48	159	309	632	1,033	22	15	5
Orange.....	21	.....	5	83	136	162	641	3	.....
Placer.....	102	74	73	612	1,050	1,429	892	133	6
Plumas.....	380	444	374	105	192	307	20	.....	.....
Riverside.....	1,590	809	187	187	316	.....	765	97	.....
Sacramento.....	62	24	40	2,143	3,254	4,371	3,874	1,209	51
San Benito.....	.....	36	41	66	69	85	286	15	.....
San Bernardino.....	573	572	399	284	388	682	946	148	2
San Diego.....	1,516	2,197	478	430	414	909	520	25	13
San Francisco.....	46	15	31	10,882	13,954	25,853	4,518	1,731	590
San Joaquin.....	8	1	2	1,568	1,875	1,676	1,304	313	10
San Luis Obispo.....	14	1	47	165	154	386	434	16	2
San Mateo.....	1	1	6	309	306	418	358	46	9
Santa Barbara.....	45	72	73	410	459	581	863	114	5
Santa Clara.....	16	9	19	1,064	1,738	2,723	2,299	284	27
Santa Cruz.....	15	67	10	194	614	785	689	235	19
Shasta.....	756	862	693	88	102	342	42	20	2
Sierra.....	54	31	10	117	309	488	17	1	.....
Siskiyou.....	1,109	480	710	226	790	1,151	24	8	.....
Solano.....	1	2	11	811	903	1,522	894	870	26
Sonoma.....	340	316	297	287	599	1,145	554	148	74
Stanislaus.....	30	25	12	161	236	421	113	5	.....
Sutter.....	18	20	1	79	226	327	134	155	.....
Tehama.....	94	99	101	309	729	892	98	143	.....
Trinity.....	227	234	193	163	336	554	.....	1	.....
Tulare.....	204	175	178	257	370	954	615	48	2
Tuolumne.....	186	149	218	75	158	253	6	2	.....
Ventura.....	3	5	91	235	408	451	872	94	1
Yolo.....	32	28	41	198	346	604	799	410	5
Yuba.....	16	24	27	493	719	974	336	68	1

<sup>1</sup> Includes 5,107 Indians, specially enumerated in 1890, not distributed by counties.





TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

[Per cent not shown where base is less than 100.]

SUBJECT.	THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa. <sup>1</sup>	Contra Costa.	Del Norte. <sup>1</sup>
<b>POPULATION</b>									
Total population, 1910.....	2,377,549	246,131	309	9,086	27,301	9,171	7,732	31,674	2,417
1900.....	1,485,053	130,197	509	11,116	17,117	11,200	7,304	18,046	2,408
1890.....	1,213,398	93,854	667	10,820	17,939	8,882	14,640	13,515	2,592
1880.....	1,804,034	12,971	539	11,884	18,721	9,064	13,118	12,525	2,584
1870.....	1,500,247	24,227	685	9,582	11,403	8,835	6,165	8,461	2,022
Increase, 1900-1910.....	892,496	115,934	-200	-2,030	10,184	-2,029	368	13,628	9
Per cent of increase.....	60.1	89.0	-39.3	-18.3	59.5	-18.1	5.0	75.5	0.4
Increase, 1890-1900.....	271,655	36,333	-158	796	-822	2,318	-7,276	4,531	-184
Per cent of increase.....	22.4	38.7	-23.7	7.7	-4.6	26.1	-49.7	33.5	-7.1
Land area (square miles).....	156,652	732	776	601	1,722	1,027	1,140	714	1,024
Population per square mile, 1910.....	15.3	336.2	0.4	15.1	15.9	8.9	6.8	44.4	2.4
Rural population per square mile, 1910.....	6.8	31.8	0.4	15.1	11.4	8.9	6.8	34.8	2.4
<b>URBAN AND RURAL TERRITORY.</b>									
Urban, 1910—Places of 2,500 or more in 1910.....	1,469,739	222,821	.....	.....	7,609	.....	.....	6,802	.....
Same places in 1900.....	810,193	101,872	.....	.....	2,640	.....	.....	.....	.....
Per cent of increase, 1900-1910.....	81.4	118.7	.....	.....	188.2	.....	.....	.....	.....
Rural, 1910—Remainder of county in 1910.....	907,810	22,310	399	9,068	19,692	9,171	7,732	24,872	2,408
Same territory in 1900.....	674,860	28,325	509	11,116	14,477	11,200	7,364	18,046	2,408
Per cent of increase, 1900-1910.....	34.5	-17.7	-39.3	-18.3	36.0	-18.1	5.0	37.8	0.4
Urban, 1900—Places of 2,500 or more in 1900.....	777,599	96,638	.....	.....	2,640	.....	.....	.....	.....
Rural, 1900—Remainder of county in 1900.....	707,354	33,559	399	11,116	14,477	11,200	7,364	18,046	2,408
Per cent in places of 2,500 or more, 1910.....	61.8	90.5	.....	.....	27.9	.....	.....	21.5	.....
Per cent in places of 2,500 or more, 1900.....	52.4	74.2	.....	.....	15.4	.....	.....	.....	.....
<b>COLOR AND NATIVITY</b>									
White.....	2,259,672	234,520	213	8,838	25,684	8,941	7,155	29,911	2,078
Number in 1900.....	1,507,277	125,512	359	10,805	15,715	10,879	6,840	17,088	2,138
Number in 1890.....	1,111,853	89,559	436	9,869	15,864	8,599	13,595	12,882	2,508
Negro.....	21,645	3,634	.....	2	122	17	50	67	1
Number in 1900.....	11,045	1,334	3	28	106	69	76	47	1
Number in 1890.....	11,322	785	3	26	223	77	189	54	5
Black.....	13,787	1,753	.....	.....	95	16	7	40	1
Mulatto.....	7,858	1,881	.....	2	26	1	43	27	.....
Indian, Chinese, Japanese, and all other (see Tables I and 17).....	96,232	7,977	96	246	1,495	213	527	1,696	338
Native white—Native parentage.....	1,106,533	91,979	93	3,554	17,587	4,271	4,887	9,973	1,220
Number in 1900.....	644,428	44,266	156	4,649	10,518	5,204	4,705	5,254	1,253
Native white—Foreign or mixed parentage.....	635,889	82,917	78	2,800	4,946	2,857	1,447	10,345	500
Number in 1900.....	441,794	47,997	124	3,684	3,583	3,458	1,408	6,736	680
Native white—Foreign parentage.....	403,364	54,381	47	1,802	2,539	1,743	839	7,029	262
Native white—Mixed parentage.....	232,525	28,536	31	998	2,417	1,114	608	3,316	238
Foreign-born white.....	517,250	59,624	42	2,484	3,151	1,813	821	9,593	358
Number in 1900.....	316,505	33,179	79	2,572	1,832	2,217	737	5,118	325
<b>PER CENT OF TOTAL POPULATION.</b>									
Native white—Native parentage.....	46.5	37.4	30.1	39.1	64.4	46.6	63.2	31.5	50.5
Per cent in 1900.....	43.4	34.0	30.6	40.9	61.4	46.5	63.9	29.0	51.2
Native white—Foreign or mixed parentage.....	26.7	34.0	25.2	30.8	18.1	31.2	15.7	20.7	20.7
Per cent in 1900.....	29.7	36.9	24.3	33.1	19.8	30.9	19.1	37.8	21.1
Foreign-born white.....	21.8	24.2	13.6	27.3	11.5	19.8	10.6	30.3	14.8
Per cent in 1900.....	21.3	25.5	16.5	23.1	10.7	19.8	9.9	28.4	15.6
<b>FOREIGN NATIONALITIES</b>									
<b>FOREIGN-BORN WHITE: Born in—</b>									
Atlantic Islands.....	2,890	231	.....	.....	.....	1	1	10	.....
Australia.....	3,296	594	.....	5	14	.....	2	40	.....
Austria.....	17,163	1,701	.....	544	47	280	12	262	11
Canada—French.....	3,109	307	2	16	46	21	18	1	.....
Canada—Other.....	41,445	4,622	2	49	322	65	75	296	22
Denmark.....	14,528	2,624	1	11	85	42	22	211	14
England.....	48,667	5,982	1	388	373	142	45	538	22
Finland.....	6,156	725	.....	3	18	3	4	55	3
France.....	17,390	2,021	1	26	51	59	10	177	2
Germany.....	76,305	9,012	20	120	512	179	265	825	42
Greece.....	7,918	869	.....	16	361	.....	44	227	1
Hungary.....	5,301	330	.....	87	22	1	.....	49	.....
Ireland.....	52,475	6,000	1	22	275	87	80	926	36
Italy.....	63,601	5,308	5	983	252	634	51	2,826	35
Mexico.....	33,444	496	.....	6	63	58	23	408	2
Norway.....	9,952	1,428	1	5	53	14	12	116	2
Portugal.....	22,427	7,619	1	35	211	12	25	1,517	21
Russia.....	16,607	1,126	.....	5	45	7	80	14	.....
Scotland.....	13,094	2,035	.....	20	161	31	32	151	7
Spain.....	4,218	184	1	32	15	7	35	1	.....
Sweden.....	26,210	3,575	.....	16	127	23	40	356	26
Switzerland.....	14,520	998	5	65	57	53	14	147	90
Turkey.....	4,521	154	.....	4	8	4	3	8	.....
Other foreign countries.....	13,783	1,637	1	48	104	78	27	215	4
<b>NATIVE WHITE: Both parents born in—</b>									
Austria.....	5,576	509	.....	152	11	99	8	98	3
Canada—French.....	1,755	196	.....	9	16	12	6	9	2
Canada—Other.....	11,921	1,424	.....	12	84	23	43	113	17
Denmark.....	1,704	184	1	11	43	32	14	35	1
England.....	26,096	3,310	.....	289	263	123	42	315	12
France.....	8,836	1,155	.....	23	28	39	7	82	.....
Germany.....	85,362	10,182	28	149	659	254	353	825	57
Ireland.....	69,988	7,918	3	192	422	185	107	1,002	46
Italy.....	32,651	3,150	.....	690	62	502	13	1,584	4
Norway.....	4,666	833	.....	24	1	4	46	5	.....
Russia.....	7,443	1,846	.....	19	5	5	3	.....	.....
Scotland.....	7,443	1,182	1	14	69	18	27	97	.....
Sweden.....	14,797	2,153	.....	18	40	5	40	185	3
Switzerland.....	8,801	584	5	53	27	53	4	91	36
All others of foreign parentage.....	108,223	19,378	9	186	764	392	173	2,410	74

<sup>1</sup> For changes in boundaries, etc., see page 617.<sup>2</sup> State total includes population (5,268) of Indian reservations, etc., specially enumerated in 1900, not distributed by counties.<sup>3</sup> State total includes population (1,686) of Klamath County, annexed to Humboldt and Siskiyou Counties in 1874.

## POPULATION FOR THE STATE AND FOR COUNTIES.

A minus sign (-) denotes decrease.]

SUBJECT.	THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa. <sup>1</sup>	Contra Costa.	Del Norte. <sup>1</sup>
<b>SEX</b>									
Total..Male.....	1,322,878	127,142	175	5,387	16,668	5,482	4,682	19,482	1,401
Female.....	1,064,571	119,950	134	3,729	11,242	3,718	3,070	12,182	1,016
White..Male.....	1,232,990	118,600	123	5,204	14,698	5,318	4,195	17,819	1,240
Female.....	1,026,682	115,800	90	3,634	10,980	3,623	2,960	12,602	838
Negro..Male.....	11,300	1,500	.....	.....	.....	.....	.....	.....	.....
Female.....	10,342	1,738	.....	.....	.....	.....	.....	.....	.....
<b>MALES OF VOTING AGE</b>									
Total number.....	920,387	85,934	115	3,668	11,214	3,624	3,214	13,575	922
Number in 1900.....	644,087	41,191	211	4,244	6,895	4,668	2,785	7,125	819
Native white—Native parentage.....	367,783	27,222	32	1,046	5,966	1,274	1,703	3,447	404
Number in 1900.....	201,584	12,193	59	1,423	3,280	1,085	1,494	1,624	358
Native white—Foreign or mixed parentage.....	181,039	20,546	21	849	1,927	1,004	557	2,495	166
Number in 1900.....	107,067	9,186	20	971	1,164	.....	420	1,416	148
Native white—Foreign parentage.....	10,043	14,494	14	570	1,112	699	360	1,763	95
Native white—Mixed parentage.....	60,016	6,652	7	279	815	335	197	732	68
Foreign-born white.....	297,365	31,249	29	1,668	2,164	1,251	564	6,127	262
Number in 1900.....	180,294	16,618	04	1,693	1,211	1,549	475	3,281	240
Negro.....	8,143	1,413	.....	.....	.....	.....	.....	.....	.....
Number in 1900.....	5,711	447	3	10	57	26	21	17	.....
Indian, Chinese, Japanese, and all other.....	66,047	5,504	33	104	1,169	89	369	1,479	93
<b>PER CENT OF TOTAL.</b>									
Native white—Native parentage.....	40.0	31.7	27.8	28.5	53.2	35.2	53.0	25.4	43.8
Native white—Foreign or mixed parentage.....	19.7	23.9	18.3	23.1	17.2	27.7	17.3	18.4	17.7
Foreign-born white.....	32.3	36.4	25.2	45.5	19.3	34.5	17.5	46.1	28.4
<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>									
Naturalized.....	137,274	16,409	18	673	1,026	613	329	2,101	170
Having first papers.....	27,708	2,875	143	119	111	35	536	200	20
Alien.....	99,940	9,971	11	760	745	379	149	3,069	59
Unknown.....	32,443	1,794	.....	92	274	148	51	391	13
<b>ILLITERACY</b>									
<b>ILLITERATE MALES OF VOTING AGE.</b>									
Total number illiterate.....	42,787	3,966	30	321	870	294	177	1,458	72
Per cent illiterate.....	4.6	4.6	26.1	8.8	7.8	8.1	5.5	10.7	7.8
Per cent in 1900.....	6.2	6.7	25.7	8.4	6.5	7.6	6.1	12.5	11.1
Native white, number illiterate.....	5,175	205	.....	9	24	37	13	44	4
Per cent illiterate.....	0.6	0.4	.....	0.5	0.3	1.0	0.6	0.7	0.7
Foreign-born white, number illiterate.....	28,921	3,284	2	259	340	214	56	1,269	12
Per cent illiterate.....	10.5	10.5	15.5	15.7	15.7	17.1	9.9	20.7	4.6
Negro, number illiterate.....	556	53	.....	.....	8	1	1	2	.....
Per cent illiterate.....	6.8	3.8	.....	.....	.....	.....	.....	.....	.....
<b>PERSONS 10 YEARS OLD AND OVER.</b>									
Total number.....	2,007,698	207,508	249	7,478	22,943	7,418	6,521	25,659	1,942
Number illiterate.....	74,902	7,381	67	530	1,116	389	254	2,217	151
Per cent illiterate.....	3.7	3.6	26.9	7.1	4.9	6.6	4.0	8.6	7.8
Native white, number.....	1,396,146	138,606	128	4,816	18,349	5,443	5,191	14,593	1,337
Number illiterate.....	7,509	576	1	32	35	62	26	103	5
Per cent illiterate.....	0.5	0.4	0.8	0.7	0.2	1.1	0.5	0.7	0.4
Foreign-born white, number.....	505,312	58,447	42	2,457	3,101	1,785	813	9,363	354
Number illiterate.....	50,292	5,997	2	398	464	330	72	1,942	21
Per cent illiterate.....	10.0	10.3	.....	16.2	15.0	18.3	8.9	20.7	5.9
Negro, number.....	18,699	3,153	2	106	15	45	4	55	1
Number illiterate.....	1,329	133	.....	15	2	2	2	3	.....
Per cent illiterate.....	7.1	4.2	.....	.....	14.2	.....	.....	.....	.....
<b>PERSONS 10 TO 20 YEARS, INCLUSIVE.</b>									
Total number.....	415,913	44,293	60	1,646	5,079	1,705	1,456	5,318	460
Number illiterate.....	7,027	403	8	34	104	42	36	180	10
Per cent illiterate.....	1.7	0.9	.....	2.1	2.0	2.5	2.5	3.4	2.1
<b>SCHOOL AGE AND ATTENDANCE</b>									
Total number 6 to 20 years, inclusive.....	555,554	58,629	82	2,256	8,789	2,432	1,924	7,521	678
Number attending school.....	361,077	39,562	38	1,502	4,467	1,707	1,247	4,957	480
Per cent attending school.....	65.0	67.5	.....	66.6	65.8	70.2	64.8	65.9	70.8
Number 6 to 9 years.....	139,639	14,366	22	610	1,710	727	468	2,293	198
Number attending school.....	109,378	11,719	.....	501	1,278	595	323	1,775	147
Number 10 to 14 years.....	173,945	18,203	29	720	2,143	804	603	2,365	211
Number attending school.....	163,142	17,476	25	702	2,007	758	569	2,242	202
Number 15 to 17 years.....	112,016	12,562	17	429	1,386	450	417	1,852	135
Number attending school.....	66,013	7,380	13	252	865	298	274	748	107
Number 18 to 20 years.....	129,960	13,798	14	497	1,560	451	436	1,601	134
Number attending school.....	22,644	2,977	.....	47	317	56	81	192	24
<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>									
Total number.....	313,584	32,969	51	1,330	3,853	1,531	1,071	4,568	406
Number attending school.....	272,320	29,195	25	1,203	3,285	1,353	892	4,017	349
Per cent attending school.....	86.9	89.6	.....	90.5	85.3	88.4	83.3	87.9	85.3
Native white—Native parentage, number.....	176,116	14,448	17	747	3,004	986	800	1,744	231
Number attending school.....	162,985	12,880	9	675	2,576	886	675	1,515	199
Per cent attending school.....	87.7	89.1	.....	90.4	85.8	89.9	84.4	86.9	86.1
Native white—Foreign or mixed parentage, number.....	112,614	16,498	18	487	672	470	220	2,391	96
Number attending school.....	99,184	14,022	13	445	583	416	198	2,139	95
Per cent attending school.....	88.1	90.5	.....	91.4	86.8	88.5	90.0	89.5	.....
Foreign-born white, number.....	17,299	1,805	.....	57	62	35	13	404	7
Number attending school.....	14,245	1,610	.....	53	44	28	11	346	6
Per cent attending school.....	82.3	89.2	.....	.....	20	3	8	85.6	.....
Negro, number.....	2,579	370	.....	.....	.....	.....	.....	.....	.....
Number attending school.....	2,281	327	.....	.....	18	3	7	10	.....
Per cent attending school.....	88.4	88.4	.....	.....	.....	.....	.....	.....	.....
<b>DWELLINGS AND FAMILIES</b>									
Dwellings, number.....	513,481	53,121	69	2,088	6,241	2,397	1,740	6,627	561
Families, number.....	563,066	59,993	69	2,126	6,397	2,426	1,763	6,795	572

<sup>1</sup>Includes 161 whites specially enumerated in 1890, not distributed by counties.<sup>2</sup>Native whites having both parents born in countries other than specified, and also those having both parents of foreign birth but born in different countries.

TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

SUBJECT.	Eldorado.	Fresno. <sup>1</sup>	Glenn. <sup>1</sup>	Humboldt. <sup>1</sup>	Imperial. <sup>1</sup>	Inyo.	Kern.	Kings. <sup>1</sup>	Lake. <sup>1</sup>	Lassen.
<b>POPULATION</b>										
Total population, 1910.....	7,492	75,657	7,172	33,857	<sup>13</sup> 13,591	6,974	37,715	16,330	6,526	4,802
1900.....	8,986	37,862	5,150	27,104	(?)	6,437	16,489	9,571	6,017	4,511
1890.....	9,232	32,026	.....	23,469	.....	3,544	9,808	.....	7,101	4,239
1880.....	10,653	9,478	.....	15,612	.....	2,928	8,601	.....	6,596	3,340
1870.....	10,309	6,336	.....	6,140	.....	1,956	2,925	.....	2,969	1,327
Increase, 1900-1910.....	-1,494	37,795	2,022	6,753	<sup>13</sup> 7,154	2,537	21,225	6,759	-491	291
Per cent of increase.....	-16.6	99.8	39.3	24.9	(?)	59.3	128.9	64.4	-8.2	6.5
Increase, 1890-1900.....	-246	5,836	5,150	2,623	.....	833	6,672	9,971	-1,084	272
Per cent of increase.....	-2.7	15.2	.....	<sup>10</sup> 10.8	.....	23.8	68.0	.....	-15.3	6.4
Land area (square miles).....	1,753	5,950	1,259	3,634	4,089	10,019	8,003	1,159	1,278	4,531
Population per square mile, 1910.....	4.3	12.7	5.7	9.3	3.3	0.7	4.7	14.0	4.3	1.1
Rural population per square mile, 1910.....	4.3	7.3	5.7	6.1	3.3	0.7	3.1	9.8	4.3	1.1
<b>URBAN AND RURAL TERRITORY.</b>										
Urban, 1910—Places of 2,500 or more in 1910.....	.....	29,091	.....	11,845	(?)	.....	12,737	4,828	.....	.....
Same places in 1900.....	.....	12,470	.....	7,327	(?)	.....	6,127	2,929	.....	.....
Per cent of increase, 1900-1910.....	.....	133.3	.....	61.7	.....	.....	107.7	64.9	.....	.....
Rural, 1910—Remainder of county in 1910.....	7,492	46,566	7,172	22,012	<sup>13</sup> 13,591	6,974	24,988	11,401	5,526	4,802
Same territory in 1900.....	8,986	25,392	5,150	19,777	(?)	4,377	10,353	6,942	6,017	4,011
Per cent of increase, 1900-1910.....	-16.6	83.4	39.3	11.3	.....	59.3	141.4	64.2	-5.2	6.5
Urban, 1900—Places of 2,500 or more in 1900.....	.....	12,470	.....	7,327	(?)	.....	4,836	2,929	.....	.....
Rural, 1900—Remainder of county in 1900.....	8,986	25,392	5,150	19,777	(?)	4,377	10,353	6,942	6,017	4,511
Per cent in places of 2,500 or more, 1910.....	.....	38.3	.....	35.0	(?)	.....	33.7	29.8	.....	.....
Per cent in places of 2,500 or more, 1900.....	.....	32.9	.....	27.0	(?)	.....	29.3	.....	.....	.....
<b>COLOR AND NATIVITY</b>										
White.....	7,198	71,215	6,915	32,153	12,582	6,020	36,007	15,366	5,055	4,372
Number in 1900.....	8,513	34,570	4,867	25,595	.....	5,355	14,974	9,171	6,492	4,099
Number in 1890.....	8,393	28,474	.....	22,022	.....	2,593	8,214	.....	6,294	3,867
Negro.....	28	474	15	40	65	21	369	172	11	1
Number in 1900.....	99	399	18	12	.....	16	208	76	12	1
Number in 1890.....	183	457	.....	48	.....	12	130	.....	41	6
Black.....	24	377	12	26	51	10	288	167	10	1
Mulatto.....	4	97	3	12	14	11	33	66	1	.....
Ind., Chi., Jap., and all other (see Tables 1 and 17).....	296	3,968	242	1,664	944	933	1,339	692	460	429
Native white—Native parentage.....	4,053	39,941	4,388	13,297	8,246	3,193	22,233	9,656	3,690	3,023
Number in 1900.....	4,533	20,602	3,013	11,311	.....	1,974	8,875	6,261	5,924	2,916
Native white—Foreign or mixed parentage.....	2,077	15,287	1,575	9,667	1,873	1,376	6,555	2,922	842	803
Number in 1900.....	2,569	17,160	1,134	7,893	.....	3,771	5,394	1,771	933	746
Native white—Foreign parentage.....	1,190	10,798	886	5,840	1,033	718	3,689	1,774	421	347
Native white—Mixed parentage.....	887	4,489	689	3,847	840	658	2,866	1,147	421	456
Foreign-born white.....	1,068	15,987	952	9,169	2,463	1,451	7,219	2,788	523	546
Number in 1900.....	1,411	6,903	720	6,130	.....	560	2,705	1,139	630	437
<b>PER CENT OF TOTAL POPULATION.</b>										
Native white—Native parentage.....	54.1	52.8	61.2	39.3	60.7	45.8	59.0	59.5	66.8	63.0
Per cent in 1900.....	52.4	44.4	41.0	34.4	.....	42.4	63.4	63.4	64.4	61.4
Native white—Foreign or mixed parentage.....	27.7	20.2	22.0	28.6	13.8	19.7	17.4	18.0	15.2	16.7
Per cent in 1900.....	28.6	18.9	22.0	29.0	.....	19.9	20.6	17.9	15.6	16.5
Foreign-born white.....	14.3	21.1	13.3	27.1	18.1	20.8	19.1	17.2	9.5	11.4
Per cent in 1900.....	15.7	18.2	14.0	22.8	.....	12.8	16.4	11.5	10.6	9.7
<b>FOREIGN NATIONALITIES</b>										
<b>FOREIGN-BORN WHITE: Born in—</b>										
Atlantic Islands.....	2	9	.....	10	.....	.....	16	59	.....	.....
Australia.....	7	45	3	32	5	1	30	9	.....	2
Austria.....	10	387	18	434	82	71	367	25	32	3
Canada—French.....	9	60	41	65	8	12	26	4	2	7
Canada—Other.....	734	784	1,640	143	261	143	510	102	84	42
Denmark.....	27	1,421	32	429	28	14	118	24	10	25
England.....	139	979	63	376	106	158	598	193	67	35
Finland.....	2	117	7	846	4	9	46	1	6	.....
France.....	18	444	28	103	40	47	539	25	14	43
Germany.....	215	1,102	306	791	151	168	737	127	102	76
Greece.....	6	134	35	36	22	55	335	16	.....	15
Hungary.....	1	49	14	30	35	4	27	2	.....	1
Ireland.....	76	400	85	668	62	132	540	95	28	34
Italy.....	170	1,403	18	1,083	34	78	1,222	222	39	26
Mexico.....	9	215	6	206	1,461	.....	1,462	278	2	1
Norway.....	8	136	31	562	3	18	60	28	4	15
Portugal.....	23	531	22	334	7	5	122	1,157	2	13
Russia.....	6	2,826	12	74	10	8	250	11	2	.....
Scotland.....	35	311	25	111	31	45	154	32	32	9
Spain.....	5	182	12	13	7	50	180	13	1	35
Sweden.....	17	1,288	34	790	49	44	174	66	53	30
Switzerland.....	158	219	20	576	49	135	79	15	13	61
Turkey.....	10	2,237	.....	8	4	19	18	1	.....	.....
Other foreign countries.....	50	225	20	152	59	60	152	142	25	19
<b>NATIVE WHITE: Both parents born in—</b>										
Austria.....	148	.....	15	83	43	4	49	5	31	1
Canada—French.....	33	.....	3	33	4	2	3	.....	.....	4
Canada—Other.....	21	279	24	879	48	48	138	62	23	6
Denmark.....	21	1,072	15	278	11	2	38	16	6	16
England.....	132	473	43	171	61	71	235	93	43	21
France.....	12	160	13	48	22	13	303	11	2	6
Germany.....	346	1,118	340	775	200	194	688	225	93	89
Ireland.....	149	602	120	577	94	156	615	123	42	34
Italy.....	52	111	1	4	.....	13	192	68	13	2
Norway.....	9	113	55	249	19	11	20	3	6	3
Russia.....	1	1,546	4	9	.....	165	1	1	.....	.....
Scotland.....	20	15	79	24	.....	151	109	20	7	.....
Sweden.....	12	1,334	14	408	39	10	76	49	46	21
Switzerland.....	115	85	6	364	13	3	45	45	13	37
All others of foreign parentage.....	288	3,027	178	1,076	447	166	994	1,042	96	102

<sup>1</sup> For changes in boundaries, etc., see page 617.<sup>2</sup> For combined figures for Imperial and San Diego Counties, see Note 1 on page 617.<sup>3</sup> See Note 2 on page 617.<sup>4</sup> Comparable figures not available; for combined figures, see Note 1 on page 617.

## POPULATION FOR THE STATE AND FOR COUNTIES—Continued.

SUBJECT.	Eldorado.	Fresno. <sup>1</sup>	Glenn. <sup>1</sup>	Humboldt. <sup>1</sup>	Imperial. <sup>1</sup>	Inyo.	Kern.	Kings. <sup>1</sup>	Lake. <sup>1</sup>	Lassen.
<b>SEX</b>										
Total.. Male.....	4,390	42,858	4,427	18,654	8,900	4,780	25,413	9,220	2,944	2,842
Female.....	3,103	32,889	2,745	14,203	4,691	2,194	12,302	7,010	2,682	1,860
White... Male.....	4,203	39,380	4,194	18,792	8,241	4,256	24,117	8,523	2,685	2,614
Female.....	2,936	31,835	2,721	13,361	4,341	1,761	11,850	6,843	2,370	1,758
Negro... Male.....	22	528	6	14	46	13	185	89	6	1
Female.....	6	246	6	26	19	8	184	83	5	1
<b>MALES OF VOTING AGE</b>										
Total number.....	3,146	27,867	3,141	12,989	6,290	3,674	19,552	5,765	1,873	1,887
Number in 1900.....	3,073	14,709	2,068	9,169	1,805	1,805	7,494	3,686	2,021	1,702
Native white—Native parentage.....	1,374	13,459	1,673	4,257	3,383	1,494	10,193	2,956	1,157	1,046
Number in 1900.....	1,381	6,639	1,021	3,468	780	780	5,384	1,812	1,182	974
Native white—Foreign or mixed parentage.....	883	3,121	610	2,316	772	689	2,795	632	246	299
Number in 1900.....	916	1,711	307	1,410	273	273	1,187	467	249	258
Native white—Foreign parentage.....	582	1,932	385	1,395	402	403	1,964	357	130	147
Native white—Mixed parentage.....	301	1,120	225	921	310	256	1,131	275	116	152
Foreign-born white.....	761	8,298	650	5,900	1,623	1,153	5,620	1,666	310	404
Number in 1900.....	857	4,070	489	3,853	498	398	1,896	744	573	519
Negro.....	19	146	9	10	45	10	132	54	4	1
Number in 1900.....	48	112	11	6	27	6	75	27	6	1
Indian, Chinese, Japanese, and all other.....	119	2,861	199	446	466	358	912	538	156	138
<b>PER CENT OF TOTAL</b>										
Native white—Native parentage.....	43.7	48.3	53.3	32.8	53.8	40.7	52.1	51.3	61.8	55.4
Native white—Foreign or mixed parentage.....	28.1	11.2	19.4	17.8	12.3	17.9	14.3	11.0	13.1	15.8
Foreign-born white.....	23.9	29.8	20.7	45.9	25.8	31.4	28.2	27.2	16.6	21.4
<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>										
Naturalized.....	432	3,543	351	2,694	359	504	1,490	485	211	168
Having first papers.....	35	823	33	689	123	93	317	85	19	42
Alien.....	128	3,615	131	2,209	447	495	2,364	831	24	134
Unknown.....	156	917	135	368	145	100	1,398	131	56	40
<b>ILLITERACY</b>										
<b>ILLITERATE MALES OF VOTING AGE.</b>										
Total number illiterate.....	116	1,363	145	671	832	407	1,149	737	113	108
Per cent illiterate.....	3.7	4.9	4.6	5.2	13.2	11.1	5.9	12.8	6.0	5.7
Per cent in 1900.....	6.6	7.6	6.2	6.4	17.6	17.6	7.6	16.1	9.3	11.0
Native white, number illiterate.....	13	63	24	28	36	10	61	67	13	5
Per cent illiterate.....	0.8	0.4	1.1	0.4	0.9	0.5	0.7	1.9	0.9	0.4
Foreign-born white, number illiterate.....	67	919	60	373	509	180	810	490	11	21
Per cent illiterate.....	8.9	11.1	9.2	6.3	36.9	15.6	14.7	31.3	3.5	5.2
Negro, number illiterate.....	3	14	2	1	5	3	5	1	1	1
Per cent illiterate.....	3	9.5					6.1			
<b>PERSONS 10 YEARS OLD AND OVER.</b>										
Total number.....	6,383	60,358	6,072	27,806	11,343	6,010	32,165	12,877	4,480	3,866
Number illiterate.....	187	2,832	184	1,218	1,331	692	1,561	1,185	242	230
Per cent illiterate.....	2.9	4.7	3.0	4.4	11.7	11.5	4.8	9.2	5.4	5.9
Native white, number.....	5,085	41,207	4,883	17,478	8,118	3,781	23,685	9,517	3,587	2,961
Number illiterate.....	22	132	34	61	84	17	189	139	17	8
Per cent illiterate.....	0.4	0.3	0.7	0.3	1.0	0.4	0.8	1.5	0.5	0.3
Foreign-born white, number.....	1,069	16,150	886	9,031	2,357	1,440	7,091	2,667	519	544
Number illiterate.....	96	2,057	73	535	851	228	995	837	23	28
Per cent illiterate.....	9.1	13.6	7.8	5.9	36.1	15.8	14.0	31.4	4.4	5.1
Negro, number.....	28	390	14	34	18	4	24	12	1	1
Number illiterate.....	3	37	2	4	6	4	24	12	1	1
Per cent illiterate.....	3	9.5					7.7	9.0		
<b>PERSONS 10 TO 20 YEARS, INCLUSIVE.</b>										
Total number.....	1,260	14,170	1,356	6,556	2,412	1,051	5,372	3,327	1,074	923
Number illiterate.....	12	258	17	110	216	71	163	116	22	38
Per cent illiterate.....	0.9	1.8	1.3	1.7	9.0	6.8	3.0	3.5	2.0	4.1
<b>SCHOOL AGE AND ATTENDANCE</b>										
Total number 6 to 20 years, inclusive.....	1,701	19,732	1,775	8,883	3,194	1,417	7,375	4,498	1,498	1,280
Number attending school.....	1,126	12,250	1,210	5,853	1,845	831	4,339	2,900	1,029	872
Per cent attending school.....	66.2	62.1	68.2	66.2	57.3	58.6	58.8	64.5	68.7	68.1
Number 6 to 9 years.....	432	5,562	419	2,297	782	366	2,003	1,171	424	357
Number attending school.....	327	3,721	320	1,779	597	252	1,611	884	301	269
Number 10 to 14 years.....	571	8,810	601	2,875	410	212	2,120	1,260	408	394
Number attending school.....	435	5,822	503	2,703	763	371	1,964	1,296	464	369
Number 15 to 17 years.....	338	3,705	357	1,680	591	238	1,216	890	311	245
Number attending school.....	208	2,141	256	1,048	364	154	682	557	219	155
Number 18 to 20 years.....	360	4,260	303	2,031	403	207	1,083	254	174	130
Number attending school.....	96	566	71	353	121	54	182	161	45	79
<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>										
Total number.....	1,003	11,767	1,020	5,172	1,613	776	4,132	2,540	932	751
Number attending school.....	862	9,543	883	4,482	1,360	623	3,475	2,182	765	638
Per cent attending school.....	85.9	81.1	86.6	86.7	84.3	80.3	84.1	85.9	82.1	85.0
Native white—Native parentage, number.....	741	6,434	722	2,381	1,164	455	2,923	1,658	671	543
Number attending school.....	643	5,275	632	2,099	1,022	397	2,616	1,431	580	475
Per cent attending school.....	86.8	82.0	87.6	88.2	87.8	87.3	86.1	86.3	86.4	87.5
Native white—Foreign or mixed parentage, number.....	209	3,860	207	2,234	235	189	936	677	174	130
Number attending school.....	159	3,104	221	2,017	186	165	782	590	142	119
Per cent attending school.....	90.4	80.4	86.5	90.3	83.4	87.3	83.5	87.1	81.6	91.5
Foreign-born white, number.....	11	1,205	25	214	115	4	190	150	7	4
Number attending school.....	7	982	17	191	70	1	97	112	7	4
Per cent attending school.....	7	81.5		89.3	60.9		69.3	74.7		
Negro, number.....	2	88	1	6	2	2	45	40	1	1
Number attending school.....	2	65		5	1	1	41	39	1	1
Per cent attending school.....										
<b>DWELLINGS AND FAMILIES</b>										
Dwellings, number.....	2,127	16,799	1,502	7,773	3,755	1,704	7,387	3,736	1,504	1,174
Families, number.....	2,175	17,571	1,530	7,968	3,831	1,797	7,817	3,807	1,533	1,184

<sup>1</sup> Native whites having both parents born in countries other than specified, and also those having both parents of foreign birth but born in different countries.

TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

SUBJECT.	Los Angeles. <sup>1</sup>	Madera. <sup>1</sup>	Marin.	Mariposa.	Mendocino.	Merced.	Modoc. <sup>1</sup>	Mono.	Monterey. <sup>1</sup>	Napa. <sup>1</sup>
<b>POPULATION</b>										
Total population, 1910.....	504,131	4,363	26,114	3,856	23,929	15,148	6,191	2,042	24,148	18,800
1900.....	170,298	6,364	15,702	4,720	20,465	9,215	5,076	2,167	19,280	16,491
1890.....	101,454	.....	13,072	3,787	17,612	8,085	4,986	2,002	18,637	16,411
1880.....	33,381	.....	11,324	4,339	12,800	5,650	4,389	7,459	11,302	13,235
1870.....	15,309	.....	6,903	4,872	7,545	2,807	.....	430	9,876	7,103
Increase, 1900-1910.....	333,833	2,004	9,412	-764	3,464	5,933	1,115	-125	4,766	3,349
Per cent of increase.....	196.0	31.5	59.9	-16.2	16.9	64.3	22.0	-6.8	24.6	20.4
Increase, 1890-1900.....	68,844	6,864	2,620	983	12,554	14,100	90	103	743	1,415
Per cent of increase.....	67.9	24.6	20.1	24.6	121.8	15.0	1.8	8.2	4.0	0.2
Land area (square miles).....	4,067	2,112	829	1,463	3,453	1,995	3,823	3,030	3,330	783
Population per square mile, 1910.....	124.0	4.0	47.5	2.7	6.9	7.6	1.6	0.7	7.3	25.3
Rural population per square mile, 1910.....	22.7	4.0	31.4	2.7	6.9	6.0	1.6	0.7	4.7	17.9
<b>URBAN AND RURAL TERRITORY.</b>										
Urban, 1910—Places of 2,500 or more in 1910.....	411,948	.....	8,485	.....	.....	3,102	.....	.....	8,659	5,791
Same places in 1900.....	128,869	.....	3,879	.....	.....	1,969	.....	.....	5,052	4,036
Per cent of increase, 1900-1910.....	219.7	.....	118.7	.....	.....	57.5	.....	.....	71.4	43.5
Rural, 1910—Remainder of county in 1910.....	92,183	8,368	10,629	3,956	23,929	12,046	6,191	2,042	15,487	14,009
Same territory in 1900.....	41,429	6,364	4,720	4,720	20,465	7,946	5,076	2,167	12,815	12,415
Per cent of increase, 1900-1910.....	122.5	31.5	40.6	-16.2	16.9	66.2	22.0	-5.8	8.1	12.8
Urban, 1900—Places of 2,500 or more in 1900.....	120,179	.....	3,879	.....	.....	.....	.....	.....	3,304	4,036
Rural, 1900—Remainder of county in 1900.....	50,119	6,364	11,823	4,720	20,465	9,215	5,076	2,167	10,076	12,415
Per cent in places of 2,500 or more, 1910.....	81.7	.....	33.8	.....	20.9	.....	.....	.....	35.9	23.2
Per cent in places of 2,500 or more, 1900.....	70.6	.....	24.7	.....	.....	.....	.....	.....	17.0	24.5
<b>COLOR AND NATIVITY</b>										
White.....	483,478	7,650	24,186	3,674	22,310	14,697	5,629	1,621	22,135	19,437
Number in 1900.....	163,975	5,664	14,939	4,410	18,833	8,780	4,660	1,656	17,707	15,857
Number in 1890.....	85,693	.....	11,693	5,585	16,636	7,862	4,453	1,485	16,821	16,486
Negro.....	9,424	56	145	18	31	76	4	.....	107	48
Number in 1900.....	2,821	61	137	35	33	31	7	1	80	29
Number in 1890.....	1,817	.....	162	69	27	16	1	.....	30	10
Black.....	6,462	50	100	.....	20	50	3	.....	74	36
Mulatto.....	2,962	6	45	18	11	25	1	.....	33	12
Ind., Chi., Jap., and all other (see Tables I and IV).....	11,229	662	783	264	1,588	376	558	421	1,904	315
Native white—Native parentage.....	285,865	4,172	8,560	1,989	11,523	6,531	4,451	723	11,664	8,879
Number in 1900.....	96,582	3,190	4,388	2,291	10,639	4,632	3,541	624	8,445	7,238
Native white—Foreign or mixed parentage.....	109,177	1,538	8,830	977	4,945	4,102	786	403	6,430	5,275
Number in 1900.....	39,718	1,368	6,755	1,319	4,166	3,802	736	580	6,795	4,483
Native white—Foreign parentage.....	64,307	825	5,420	536	3,113	2,824	323	229	3,713	3,341
Native white—Mixed parentage.....	44,870	713	3,160	441	1,732	1,278	463	174	2,686	1,934
Foreign-born white.....	88,436	1,940	7,046	708	25,942	4,045	392	495	4,051	5,283
Number in 1900.....	27,645	1,116	4,566	800	4,008	1,816	293	472	3,467	4,466
<b>PER CENT OF TOTAL POPULATION.</b>										
Native white—Native parentage.....	56.7	49.9	34.1	50.3	48.2	43.1	71.9	35.4	48.3	44.8
Per cent in 1900.....	56.7	60.1	37.9	48.5	52.0	50.8	69.8	28.8	45.6	44.0
Native white—Foreign or mixed parentage.....	21.7	18.4	34.2	24.7	20.2	27.1	12.7	19.7	26.6	26.6
Per cent in 1900.....	23.5	21.3	36.7	27.9	30.5	24.8	14.3	25.8	29.9	27.1
Foreign-born white.....	17.5	23.2	28.1	24.8	26.8	26.8	6.3	24.2	16.8	26.7
Per cent in 1900.....	16.3	17.5	30.9	16.9	19.6	19.7	5.8	21.8	17.9	25.3
<b>FOREIGN NATIONALITIES</b>										
<b>FOREIGN-BORN WHITE: Born in—</b>										
Atlantic Islands.....	32	1	182	21	17	301	.....	.....	19	3
Australia.....	285	6	78	7	24	2	.....	1	18	40
Austria.....	2,880	64	135	35	209	12	3	2	130	103
Canada—French.....	806	6	4	4	34	10	9	10	21	10
Canada—Other.....	11,906	104	367	52	119	48	112	261	308	.....
Denmark.....	1,551	27	151	20	156	176	15	10	416	90
England.....	11,881	108	628	98	239	153	52	48	389	430
Finland.....	306	10	36	1	1,222	4	.....	1	7	54
France.....	2,682	40	256	43	94	94	24	70	126	179
Germany.....	13,568	117	846	72	500	255	73	29	542	1,078
Greece.....	491	22	50	21	110	32	36	3	21	43
Hungary.....	929	.....	29	1	6	1	4	.....	18	9
Ireland.....	5,542	96	726	51	332	165	46	32	338	723
Italy.....	4,565	518	1,287	110	1,414	1,101	41	68	301	1,017
Mexico.....	11,793	412	147	62	30	355	.....	5	66	28
Norway.....	1,398	25	66	6	163	33	16	2	40	68
Portugal.....	206	58	819	8	254	593	1	.....	366	223
Russia.....	5,193	11	60	7	69	11	.....	1	28	50
Scotland.....	2,454	99	165	16	96	31	17	3	136	112
Spain.....	593	35	17	10	16	32	12	16	32	18
Sweden.....	4,663	66	212	24	362	311	18	10	113	153
Switzerland.....	1,274	43	578	16	147	167	13	36	381	440
Turkey.....	589	20	11	.....	6	4	3	.....	5	8
Other foreign countries.....	2,751	52	166	24	82	45	3	5	77	84
<b>NATIVE WHITE: Both parents born in—</b>										
Austria.....	937	7	56	1	21	3	8	5	35	46
Canada—French.....	436	4	16	2	13	8	2	.....	5	25
Canada—Other.....	2,787	28	116	5	126	53	24	41	81	65
Denmark.....	845	13	84	2	106	122	13	1	361	153
England.....	5,783	47	284	72	130	83	32	28	214	189
France.....	1,642	21	151	8	40	85	10	6	76	73
Germany.....	17,324	129	771	59	300	235	76	29	614	618
Ireland.....	6,916	138	575	55	1,083	577	47	44	424	424
Italy.....	2,711	159	563	95	350	387	3	11	64	495
Norway.....	955	7	14	2	62	18	12	.....	18	31
Russia.....	2,624	3	23	1	16	11	.....	1	9	15
Scotland.....	1,436	31	79	9	47	16	7	4	84	56
Sweden.....	2,688	19	125	4	147	369	11	7	97	41
Switzerland.....	7	6	404	7	62	76	6	.....	414	332
All others of foreign parentage.....	16,565	213	1,712	194	1,390	1,052	73	56	1,202	788

<sup>1</sup> For changes in boundaries, etc., see page 617.<sup>2</sup> See Note 2 on page 617.

## POPULATION FOR THE STATE AND FOR COUNTIES—Continued.

SUBJECT.	Los Angeles. <sup>1</sup>	Madera. <sup>1</sup>	Marin.	Mariposa.	Mendocino.	Merced.	Modoc. <sup>1</sup>	Mono.	Monterey. <sup>1</sup>	Napa. <sup>1</sup>
<b>SEX</b>										
Total.. Male.....	258,823	5,349	15,394	2,541	14,540	9,138	3,500	1,420	14,099	11,136
Female.....	245,308	3,019	9,720	1,415	9,389	6,012	2,691	622	10,047	8,664
White.. Male.....	244,511	4,881	14,539	2,385	13,560	8,755	3,207	1,198	12,417	10,830
Female.....	238,967	2,769	9,647	1,289	8,750	5,942	2,422	423	9,718	8,667
Negro.. Male.....	4,555	40	9	9	18	41	3		57	25
Female.....	4,869	16	28	9	13	34	1		50	23
<b>MALES OF VOTING AGE</b>										
Total number.....	178,583	3,689	10,725	1,807	9,913	5,975	2,184	1,115	9,761	8,121
Number in 1900.....	65,357	2,817	6,384	1,983	7,564	3,750	1,044	1,044	6,952	6,665
Native white—Native parentage.....	94,309	1,409	3,331	729	3,833	2,122	1,439	389	3,824	3,171
Number in 1900.....	28,825	1,205	1,555	440	1,506	1,038	284	284	2,523	2,171
Native white—Foreign or mixed parentage.....	29,519	540	2,524	452	1,240	939	325	185	1,958	1,432
Number in 1900.....	8,508	445	1,356	391	607	245	169	136	1,516	1,009
Native white—Foreign parentage.....	18,284	316	1,671	265	812	625	122	122	1,179	933
Native white—Mixed parentage.....	10,935	224	833	187	425	311	168	63	779	499
Foreign-born white.....	44,075	1,421	4,250	531	4,122	2,591	268	417	2,502	3,235
Number in 1900.....	14,065	831	2,917	579	2,839	1,552	195	369	2,119	2,515
Negro.....	5,115	22	99	8	16	38	3		38	23
Number in 1900.....	812	13	12	17	16	2			29	14
Indian, Chinese, Japanese, and all other.....	8,565	297	521	87	682	295	151	124	1,429	260
<b>PER CENT OF TOTAL.</b>										
Native white—Native parentage.....	52.5	38.2	31.1	40.3	38.9	35.5	65.9	34.9	39.2	39.0
Native white—Foreign or mixed parentage.....	16.4	14.6	23.5	25.0	12.5	15.7	14.9	16.6	20.1	17.6
Foreign-born white.....	24.5	38.5	39.6	28.4	41.6	43.4	12.2	37.4	25.7	38.8
<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>										
Naturalized.....	20,571	451	1,778	243	1,477	898	153	236	1,357	1,574
Having first papers.....	3,711	385	441	366	41	161	29	30	208	184
Alien.....	15,759	758	1,673	154	1,693	1,359	60	31	613	834
Unknown.....	6,034	111	414	93	586	166	24	30	324	643
<b>ILLITERATE</b>										
<b>ILLITERATE MALES OF VOTING AGE.</b>										
Total number illiterate.....	4,757	406	704	121	587	646	170	125	470	282
Per cent illiterate.....	2.6	11.1	6.6	6.7	5.9	10.8	7.8	11.2	4.8	3.5
Per cent in 1900.....	4.3	13.5	9.5	7.7	7.4	6.7	7.2	10.0	15.4	7.7
Native white, number illiterate.....	470	19	37	13	35	32	9	5	94	25
Per cent illiterate.....	0.4	1.0	0.6	1.1	0.7	1.0	0.5	0.9	1.6	0.5
Foreign-born white, number illiterate.....	3,632	307	536	71	316	557	36	36	221	198
Per cent illiterate.....	8.2	21.6	12.6	13.9	7.7	21.5	13.5	8.6	8.8	6.1
Negro, number illiterate.....	153		6			5			1	5
Per cent illiterate.....	4.9									
<b>PERSONS 10 YEARS OLD AND OVER.</b>										
Total number.....	431,568	6,900	21,404	3,300	19,538	12,129	4,872	1,749	20,178	17,083
Number illiterate.....	9,639	639	1,107	231	946	1,004	352	238	824	458
Per cent illiterate.....	2.2	9.3	5.2	7.0	4.8	8.3	7.2	13.6	4.1	2.7
Native white, number.....	327,463	4,423	13,562	2,370	12,341	7,747	4,058	949	14,317	11,508
Number illiterate.....	1,251	38	65	29	57	67	6	6	209	62
Per cent illiterate.....	0.4	0.9	0.5	1.2	0.5	0.9	0.5	0.6	1.5	0.5
Foreign-born white, number.....	85,519	1,906	6,933	700	5,858	3,964	383	495	4,013	5,227
Number illiterate.....	7,230	405	873	112	444	863	41	38	386	328
Per cent illiterate.....	8.5	21.2	12.6	16.0	7.6	21.8	10.7	7.7	9.6	6.3
Negro, number.....	8,063	41	141	17	31	63	3		93	47
Number illiterate.....	523	1	11	2	2	9			10	6
Per cent illiterate.....	6.5		7.8							
<b>PERSONS 10 TO 20 YEARS, INCLUSIVE.</b>										
Total number.....	85,408	1,568	4,534	669	4,376	2,977	1,284	291	4,312	3,217
Number illiterate.....	1,116	82	84	23	74	109	59	31	77	39
Per cent illiterate.....	1.3	5.2	1.9	3.4	1.7	3.7	4.6	10.7	1.8	1.2
<b>SCHOOL AGE AND ATTENDANCE</b>										
Total number 6 to 20 years, inclusive.....	112,888	2,069	5,972	914	6,040	4,112	1,843	412	8,823	4,331
Number attending school.....	75,574	1,251	3,964	545	3,597	2,667	1,352	212	3,652	2,867
Per cent attending school.....	66.9	59.9	66.4	59.6	59.6	64.9	73.4	51.5	62.7	66.2
Number 6 to 9 years.....	27,480	521	1,498	245	1,064	1,135	559	121	1,511	1,114
Number attending school.....	35,391	626	1,023	154	1,038	1,012	399	53	1,092	853
Number 10 to 14 years.....	35,351	626	2,084	291	1,949	1,285	610	130	1,791	1,458
Number attending school.....	33,070	582	2,005	263	1,736	1,220	568	101	1,694	1,388
Number 15 to 17 years.....	23,233	411	1,069	161	1,116	767	339	71	1,198	911
Number attending school.....	13,973	250	707	101	636	425	265	41	683	491
Number 18 to 20 years.....	26,224	531	1,351	217	1,311	925	345	90	1,323	868
Number attending school.....	5,619	55	229	27	167	130	120	17	183	127
<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>										
Total number.....	62,831	1,147	3,522	536	3,613	2,420	1,169	251	3,302	2,572
Number attending school.....	55,982	946	3,028	417	2,794	2,112	967	154	2,796	2,241
Per cent attending school.....	89.1	82.5	86.0	77.8	77.3	87.3	82.7	61.4	84.4	87.1
Native white—Native parentage, number.....	39,443	738	1,501	378	2,134	1,194	906	75	1,935	1,371
Number attending school.....	35,257	630	1,249	308	1,588	1,042	781	56	1,609	1,174
Per cent attending school.....	89.4	85.4	83.2	81.5	74.4	87.3	86.2		83.2	85.6
Native white—Foreign or mixed parentage, number.....	17,877	255	1,777	111	1,124	1,068	105	64	1,250	1,083
Number attending school.....	16,089	221	1,569	88	930	927	93	61	1,096	973
Per cent attending school.....	90.0	86.7	88.3	79.3	82.7	87.8	83.6		87.7	89.4
Foreign-born white, number.....	4,049	46	187	3	133	147	10	2	54	105
Number attending school.....	3,342	36	163	1	102	126	8	2	45	88
Per cent attending school.....	82.5		87.2		76.7	85.7			83.3	
Negro, number.....	1,207	8	12		2	11	1		12	2
Number attending school.....	1,115	5			1					
Per cent attending school.....	92.4									
<b>DWELLINGS AND FAMILIES</b>										
Dwellings, number.....	115,574	1,699	5,101	1,056	5,924	3,306	1,429	578	5,806	4,112
Families, number.....	127,362	1,707	5,232	1,061	5,977	3,356	1,445	594	5,898	4,272

<sup>1</sup> Native whites having both parents born in countries other than specified, and also those having both parents of foreign birth but born in different countries.

TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

SUBJECT.	Nevada.	Orange. <sup>1</sup>	Placer.	Plumas.	River-side. <sup>1</sup>	Sacramento.	San Benito. <sup>1</sup>	San Bernardino. <sup>1</sup>	San Diego. <sup>1</sup>	San Francisco.
<b>POPULATION</b>										
Total population, 1910.....	14,955	34,438	18,237	5,259	34,696	67,806	8,041	56,706	161,665	416,012
1900.....	17,789	19,696	15,786	4,657	17,897	45,915	6,633	27,929	135,090	342,782
1890.....	17,369	13,589	15,101	4,933	40,339	6,412	25,497	34,987	298,997	298,997
1880.....	20,853	14,232	6,180	34,390	5,584	7,786	8,618	233,959	149,473	149,473
1870.....	19,134	11,537	4,489	26,830	3,988	3,988	3,988	3,988	3,988	3,988
Increase, 1900-1910.....	-2,834	14,740	2,451	602	16,799	21,891	1,408	28,777	26,575	74,130
Per cent of increase.....	-15.9	74.8	15.5	12.9	93.9	47.7	21.2	103.0	175.7	21.6
Increase, 1890-1900.....	420	6,107	683	-297	17,694	5,576	14,929	10,070	1,074	43,785
Per cent of increase.....	2.4	44.9	4.5	-6.4	118.8	13.8	3.4	9.5	2.0	14.6
Land area (square miles).....	* 974	795	1,305	2,594	7,240	983	1,392	20,157	4,221	43
Population per square mile, 1910.....	15.4	43.3	13.1	2.0	4.8	69.0	5.8	2.8	14.6	9,685.6
Rural population per square mile, 1910.....	8.0	25.7	11.2	2.0	2.2	23.5	5.8	1.3	5.2	.....
<b>URBAN AND RURAL TERRITORY.</b>										
Urban, 1910—Places of 2,500 or more in 1910.....	7,209	13,977	2,608	.....	18,752	44,696	.....	31,482	139,578	416,012
Same places in 1900.....	7,969	7,605	.....	.....	9,407	20,282	.....	12,954	177,700	342,782
Per cent of increase, 1900-1910.....	-9.5	83.8	.....	.....	99.3	52.6	.....	143.0	123.6	21.6
Rural, 1910—Remainder of county in 1910.....	7,746	20,469	15,629	5,259	15,944	23,110	8,041	25,224	122,087	.....
Same territory in 1900.....	9,820	12,091	15,786	4,657	16,633	14,929	6,633	14,929	122,087	.....
Per cent of increase, 1900-1910.....	-21.1	69.2	-1.0	12.9	87.8	38.9	21.2	68.4	.....	.....
Urban, 1900—Places of 2,500 or more in 1900.....	7,969	4,933	.....	.....	7,973	29,282	.....	10,947	177,700	342,782
Rural, 1900—Remainder of county in 1900.....	9,820	14,763	15,786	4,657	9,924	16,633	6,633	16,982	117,390	.....
Per cent in places of 2,500 or more, 1910.....	48.2	40.6	.....	.....	54.0	65.9	.....	55.5	64.2	100.0
Per cent in places of 2,500 or more, 1900.....	44.8	25.0	.....	.....	49.5	63.8	.....	39.2	150.4	100.0
<b>COLOR AND NATIVITY</b>										
White.....	14,558	33,589	16,572	4,629	31,613	61,040	7,643	54,153	58,514	400,014
Number in 1900.....	17,024	19,459	14,494	4,018	16,421	40,917	6,456	26,605	52,048	326,378
Number in 1890.....	16,042	15,407	13,667	4,245	.....	35,364	6,223	24,101	53,211	270,696
Negro.....	14	97	55	5	518	631	26	642	684	1,642
Number in 1900.....	70	97	35	3	511	57	57	616	691	1,654
Number in 1890.....	110	90	30	1	515	68	55	618	576	1,543
Black.....	5	29	12	4	284	400	17	506	457	881
Mulatto.....	5	68	12	4	234	231	9	136	227	761
Ind., Chi., Jap., and all other (see Tables 1 and 17).....	383	750	1,610	625	2,565	6,135	372	1,911	2,467	15,256
Native white—Native parentage.....	5,738	21,441	8,420	2,410	20,701	29,511	3,719	32,926	34,498	115,359
Number in 1900.....	6,373	12,422	7,458	1,960	11,073	18,466	3,222	16,638	18,255	83,558
Native white—Foreign or mixed parentage.....	5,354	7,772	4,425	1,169	5,684	18,498	2,357	10,546	12,915	153,781
Number in 1900.....	6,357	4,562	4,459	1,191	3,023	13,911	2,016	6,692	7,745	187,556
Native white—Foreign parentage.....	3,421	4,157	2,703	666	3,053	11,708	1,317	5,806	7,048	107,233
Native white—Mixed parentage.....	1,933	3,015	1,722	501	2,631	6,790	1,040	4,740	5,827	46,488
Foreign-born white.....	3,466	4,976	3,727	1,032	5,228	13,631	1,367	10,631	11,102	130,674
Number in 1900.....	3,324	2,616	2,617	867	2,326	8,540	1,218	4,275	6,065	104,284
<b>PER CENT OF TOTAL POPULATION.</b>										
Native white—Native parentage.....	38.4	62.3	46.2	45.8	59.7	43.5	46.3	58.1	55.9	27.7
Per cent in 1900.....	35.8	68.4	47.1	42.1	61.9	40.2	48.6	69.6	62.0	24.1
Native white—Foreign or mixed parentage.....	35.8	20.8	24.3	22.2	16.4	27.3	29.3	18.6	20.9	36.9
Per cent in 1900.....	38.4	22.1	28.1	25.6	16.9	36.3	30.4	20.4	22.1	40.1
Foreign-born white.....	23.2	14.4	20.4	20.0	15.1	18.6	18.4	18.3	17.3	30.4
Per cent in 1900.....	21.5	15.3	16.6	18.6	15.0	18.6	18.4	15.3	17.3	30.4
<b>FOREIGN NATIONALITIES</b>										
<b>FOREIGN-BORN WHITE: Born in—</b>										
Atlantic islands.....	1	.....	7	1	.....	124	47	3	6	136
Australia.....	23	10	15	1	12	71	7	33	42	1,347
Austria.....	194	81	129	37	69	610	65	189	231	4,641
Canada—French.....	170	630	241	97	914	985	114	1,386	1,337	5,687
Canada—Other.....	30	66	120	14	70	309	53	152	193	3,118
Denmark.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
England.....	1,232	489	399	70	599	1,411	89	993	1,621	9,815
Finland.....	23	10	282	4	10	36	1	16	36	1,846
France.....	52	215	51	38	174	196	82	180	272	6,244
Germany.....	240	1,238	363	86	358	2,167	171	1,047	1,716	24,137
Greece.....	4	6	204	86	80	58	2	11	88	2,274
Hungary.....	7	4	19	1	28	61	7	48	39	1,247
Ireland.....	332	135	349	64	200	1,432	134	469	667	22,151
Italy.....	695	82	622	154	285	1,820	179	296	402	10,918
Mexico.....	13	1,345	77	3	1,649	215	51	4,510	2,224	1,763
Norway.....	49	49	55	7	42	167	7	84	200	3,709
Portugal.....	41	5	200	10	14	932	210	80	93	570
Russia.....	19	101	48	2	34	187	6	119	243	4,640
Scotland.....	64	80	101	22	182	299	14	247	371	3,668
Spain.....	17	60	32	48	23	43	147	68	84	1,170
Sweden.....	78	96	138	34	251	501	40	357	594	6,969
Switzerland.....	76	110	91	165	101	573	112	136	208	2,587
Turkey.....	.....	1	13	11	14	26	1	23	28	722
Other foreign countries.....	70	128	97	46	106	287	25	189	349	3,981
<b>NATIVE WHITE: Both parents born in—</b>										
Austria.....	33	39	35	2	13	120	10	71	88	1,227
Canada—French.....	17	18	19	7	21	50	3	19	47	1,685
Canada—Other.....	56	213	80	21	294	324	36	320	310	1,125
Denmark.....	22	296	86	5	81	192	48	73	66	1,125
England.....	1,354	292	292	62	314	1,064	51	584	727	4,235
France.....	31	151	26	14	97	103	57	90	103	2,687
Germany.....	316	1,573	481	114	546	2,882	155	1,301	1,901	24,783
Ireland.....	690	188	188	96	225	2,317	206	1,363	631	31,262
Italy.....	185	49	130	85	76	811	69	69	140	10,206
Norway.....	16	38	33	2	50	95	5	53	139	966
Russia.....	3	102	18	2	7	110	1	60	191	2,155
Scotland.....	47	77	53	8	78	195	12	149	148	1,572
Sweden.....	39	69	86	6	246	236	12	223	350	2,767
Switzerland.....	39	64	34	102	72	359	88	62	98	1,245
All others of foreign parentage.....	573	1,225	925	140	983	2,850	564	2,197	2,149	20,704

<sup>1</sup> For changes in boundaries, etc., see page 617.<sup>2</sup> For combined figures for Imperial and San Diego Counties, see Note 1 on page 617.<sup>3</sup> See Note 2 on page 617.



## POPULATION FOR THE STATE AND FOR COUNTIES—Continued.

SUBJECT.	Nevada.	Orange. <sup>1</sup>	Placer.	Plumas.	River-side. <sup>1</sup>	Sacra-mento.	San Benito. <sup>1</sup>	San Bern-ardino. <sup>1</sup>	San Diego. <sup>1</sup>	San Francisco.
<b>SEX</b>										
Total... Male	8,625	18,067	11,594	3,443	19,089	40,213	4,621	31,535	33,003	236,901
Female	6,430	18,369	6,643	1,810	15,607	27,593	3,420	25,171	28,662	180,011
White... Male	8,198	17,368	10,176	3,023	17,120	34,443	4,283	29,586	30,916	222,829
Female	6,360	16,221	6,396	1,606	14,493	26,597	3,340	24,567	27,598	177,185
Negro... Male	11	45	40	2	242	379	13	368	350	1,025
Female	3	52	15	3	276	252	13	274	328	617
<b>MALES OF VOTING AGE</b>										
Total number	5,873	11,335	8,533	2,581	12,473	28,693	3,139	21,340	22,743	175,951
Number in 1900	7,101	6,913	6,765	2,096	6,885	19,087	2,218	10,004	11,613	128,985
Native white—Native parentage	1,643	6,208	2,929	946	6,576	10,392	1,170	10,942	11,622	41,619
Number in 1900	2,197	5,122	2,618	772	5,279	6,632	951	5,290	5,456	27,179
Native white—Foreign or mixed parentage	1,784	1,900	1,649	506	1,406	6,251	647	2,945	3,555	46,740
Number in 1900	1,909	909	1,110	373	763	4,028	408	1,554	1,668	33,679
Native white—Foreign parentage	1,308	1,119	1,114	317	943	4,220	393	1,602	2,120	33,960
Native white—Mixed parentage	485	781	535	189	463	2,031	254	1,253	1,433	12,780
Foreign-born white	2,152	2,690	2,706	836	2,915	8,098	1,018	5,798	5,963	75,768
Number in 1900	2,548	1,409	1,717	662	1,252	5,021	763	2,390	3,864	56,102
Negro	10	29	37	2	139	290	7	279	277	831
Number in 1900	21	21	16	2	202	302	12	128	176	619
Indian, Chinese, Japanese, and all other	284	608	1,212	291	1,137	4,653	297	1,376	1,296	10,993
<b>PER CENT OF TOTAL</b>										
Native white—Native parentage	28.0	54.8	34.3	36.7	53.1	35.0	37.3	51.3	51.1	23.7
Native white—Foreign or mixed parentage	30.4	15.9	19.3	19.6	13.0	21.1	20.6	13.8	15.6	20.6
Foreign-born white	36.6	23.7	31.7	32.4	23.6	27.3	32.4	27.2	26.4	43.1
<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>										
Naturalized	1,215	1,252	1,208	387	1,039	3,523	526	1,871	3,012	36,375
Having first papers	171	119	226	51	178	583	37	220	307	10,681
Alien	681	946	1,068	336	1,354	2,964	380	2,813	1,704	21,872
Unknown	85	373	204	62	314	1,628	66	894	970	6,840
<b>ILLITERACY</b>										
<b>ILLITERATE MALES OF VOTING AGE.</b>										
Total number illiterate	231	473	619	168	1,014	1,009	236	1,970	828	3,521
Per cent illiterate	3.9	4.2	7.3	6.5	8.2	3.4	7.5	9.2	3.6	2.0
Per cent in 1900	5.0	3.8	6.2	6.5	6.2	10.7	7.8	6.3	8.6	2.8
Native white, number illiterate	16	71	27	6	90	58	30	131	53	158
Per cent illiterate	0.5	0.9	0.6	0.4	1.1	0.3	1.7	0.9	0.3	0.2
Foreign-born white, number illiterate	163	359	394	38	686	422	118	1,529	471	2,683
Per cent illiterate	7.6	13.3	14.6	4.5	23.5	5.2	11.6	26.4	7.9	3.5
Negro, number illiterate	3	1	5		16	31		64	27	43
Per cent illiterate					11.5	10.4		22.9	9.7	5.2
<b>PERSONS 10 YEARS OLD AND OVER.</b>										
Total number	12,489	28,053	15,405	4,413	28,567	58,430	6,641	47,223	52,550	362,826
Number illiterate	418	938	877	245	1,750	1,529	372	2,441	1,885	7,997
Per cent illiterate	3.4	3.3	5.7	5.5	6.1	2.6	5.6	7.3	3.0	2.1
Native white, number	8,679	22,480	10,191	2,865	21,069	39,375	4,730	34,699	39,069	218,383
Number illiterate	29	129	75	8	109	129	28	284	144	514
Per cent illiterate	0.3	1.0	0.7	0.3	0.9	0.3	1.5	0.8	0.4	0.2
Foreign-born white, number	3,418	4,798	3,679	1,049	5,005	12,814	1,543	10,183	10,749	128,672
Number illiterate	302	647	629	43	1,091	752	199	2,444	801	3,791
Per cent illiterate	8.8	13.5	14.4	4.1	21.8	5.9	12.9	26.0	7.5	4.7
Negro, number	14	78	52	4	384	560	25	580	623	1,480
Number illiterate	5	6	6	1	39	49		105	59	70
Per cent illiterate					10.2	8.8		18.1	9.5	5.1
<b>PERSONS 10 TO 20 YEARS, INCLUSIVE.</b>										
Total number	2,675	7,006	2,932	830	6,926	11,026	1,529	10,122	10,893	65,557
Number illiterate	124	124	115	14	203	95	38	456	185	603
Per cent illiterate	1.5	1.8	3.9	1.7	2.9	0.9	1.8	4.5	1.7	0.9
<b>SCHOOL AGE AND ATTENDANCE</b>										
Total number 6 to 20 years, inclusive	3,722	8,453	3,963	1,158	9,273	14,488	2,039	13,688	14,459	85,368
Number attending school	2,736	6,698	2,602	779	8,613	8,352	1,313	9,233	8,872	50,128
Per cent attending school	73.5	70.6	65.7	67.3	71.3	57.6	64.4	67.5	68.3	58.7
Number 6 to 9 years	1,047	2,477	1,031	328	2,347	3,472	510	3,505	3,566	19,811
Number attending school	799	2,009	796	265	1,870	2,452	368	2,970	2,895	15,805
Number 10 to 14 years	1,269	3,276	1,258	342	2,956	4,300	666	4,379	4,706	24,822
Number attending school	1,244	3,089	1,221	329	2,823	3,904	631	4,087	4,380	22,854
Number 15 to 17 years	444	1,341	784	208	1,052	4,001	207	1,529	2,808	17,800
Number attending school	474	1,164	445	143	1,380	1,541	241	1,597	1,866	8,778
Number 18 to 20 years	672	1,919	940	280	2,018	3,725	456	3,116	3,279	22,893
Number attending school	119	436	140	42	540	455	73	579	731	2,691
<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>										
Total number	2,316	5,753	2,289	670	5,303	7,772	1,176	7,944	8,272	44,633
Number attending school	2,143	5,098	2,017	594	4,093	6,356	999	7,057	7,275	38,659
Per cent attending school	92.5	88.6	88.1	88.7	88.5	81.8	84.9	88.8	87.9	86.6
Native white—Native parentage, number	1,377	3,915	1,490	386	3,393	4,655	571	5,252	4,920	17,005
Number attending school	1,269	3,520	1,340	347	3,059	3,831	676	4,788	4,426	14,660
Per cent attending school	92.2	89.9	89.9	89.9	90.2	82.3	85.8	91.4	90.0	86.4
Native white—Foreign or mixed parentage, number	838	1,568	671	158	1,101	2,514	457	1,891	2,491	23,419
Number attending school	785	1,372	586	145	973	2,058	393	1,673	2,225	20,609
Per cent attending school	93.7	87.5	87.3	91.8	88.4	81.9	86.0	88.5	89.3	88.0
Foreign-born white, number	82	248	70	4	293	328	38	636	485	3,324
Number attending school	75	191	53	3	107	273	25	466	368	84.6
Per cent attending school		77.0			64.6	83.2		73.3	75.9	81.3
Negro, number	1	12	4	1	17	60	2	64	60	108
Number attending school					97	44		56	54	87
Per cent attending school					90.7					80.6
<b>DWELLINGS AND FAMILIES</b>										
Dwellings, number	3,781	8,504	4,284	1,353	8,286	13,522	2,063	13,914	15,586	65,025
Families, number	3,930	8,844	4,412	1,362	8,776	14,997	2,083	14,502	16,361	86,414

<sup>1</sup> Comparable figures not available; for combined figures, see Note 1 on page 617.<sup>2</sup> Native whites having both parents born in countries other than those specified, and also those having both parents of foreign birth but born in different countries.

TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

SUBJECT.	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara. <sup>1</sup>	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou. <sup>1</sup>	Solano.
<b>POPULATION</b>										
Total population, 1910.....	50,731	19,383	26,585	27,738	83,539	26,140	18,920	4,098	18,801	27,559
1900.....	35,453	16,337	18,953	18,953	69,216	21,512	17,318	4,054	16,923	24,965
1890.....	28,629	10,072	10,087	15,754	48,065	19,270	12,133	5,051	12,163	20,946
1880.....	24,349	9,142	8,669	9,513	35,069	12,802	9,462	6,623	8,610	18,475
1870.....	21,050	4,772	6,635	7,784	26,246	8,743	4,173	5,619	6,848	16,871
Increase, 1900-1910.....	15,279	2,746	14,491	8,804	23,323	4,628	1,602	81	1,839	3,416
Per cent of increase.....	43.1	16.5	119.8	46.5	38.7	21.5	9.3	2.0	10.8	14.1
Increase, 1890-1900.....	6,823	565	2,007	3,180	12,211	2,242	5,185	-1,034	4,799	3,197
Per cent of increase.....	25.8	3.5	10.9	20.2	25.4	11.6	43.7	-20.5	39.5	15.3
Land area (square miles).....	1,443	3,334	447	2,740	1,328	435	3,558	923	6,256	822
Population per square mile, 1910.....	35.0	5.8	59.5	10.1	62.9	60.1	4.9	4.4	3.0	33.5
Rural population per square mile, 1910.....	17.1	4.3	49.7	6.9	34.5	24.2	4.0	4.4	3.0	19.7
<b>URBAN AND RURAL TERRITORY.</b>										
Urban, 1910—Places of 2,500 or more in 1910.....	25,950	5,157	4,384	11,659	37,780	15,392	3,572	.....	.....	11,340
Same places in 1900.....	17,506	3,021	12,322	6,587	26,808	9,187	2,948	.....	.....	.....
Per cent of increase, 1900-1910.....	48.2	70.7	133.3	77.0	40.9	69.7	21.2	.....	.....	42.4
Rural, 1910—Remainder of county in 1910.....	24,781	14,226	22,201	16,079	45,759	10,548	15,348	4,098	18,801	16,219
Same territory in 1900.....	17,946	13,616	10,262	12,347	33,408	12,342	14,372	4,017	16,962	16,178
Per cent of increase, 1900-1910.....	38.1	4.5	116.3	30.2	37.0	-14.4	6.8	.....	.....	0.8
Urban, 1900—Places of 2,500 or more in 1900.....	17,506	3,021	.....	6,587	25,150	9,187	2,946	.....	.....	10,716
Rural, 1900—Remainder of county in 1900.....	17,946	13,616	12,604	12,347	35,066	12,325	14,372	4,017	16,962	13,427
Per cent of increase of 2,500 or more, 1910.....	61.2	26.6	16.5	42.0	45.2	98.6	18.9	.....	.....	41.1
Per cent of increase of 2,500 or more, 1900.....	49.4	18.2	.....	34.8	41.8	45.7	17.0	.....	.....	44.4
<b>COLOR AND NATIVITY</b>										
White.....	46,339	18,693	25,821	26,282	79,849	25,159	17,873	3,910	17,413	25,432
Number in 1900.....	32,941	16,389	11,652	18,266	57,394	20,616	16,131	3,669	15,646	22,267
Number in 1890.....	26,888	15,180	9,572	16,069	44,247	18,594	10,875	4,541	10,185	19,290
Negro.....	307	77	67	108	262	83	159	.....	29	250
Number in 1900.....	322	77	89	53	251	81	205	7	58	101
Number in 1890.....	563	457	52	26	989	62	221	12	117	97
Black.....	198	72	45	63	175	37	61	.....	20	205
Mulatto.....	109	5	22	45	87	46	98	.....	9	45
Ind., Chi., Jap., and all other (see Tables 1 and 17).....	4,085	613	697	1,348	3,428	898	888	188	1,359	1,877
Native white—Native parentage.....	23,174	9,511	8,105	16,215	36,818	12,881	11,006	1,840	10,528	10,627
Number in 1900.....	16,961	8,431	3,029	10,890	27,514	10,558	10,435	1,438	10,229	9,054
Native white—Foreign or mixed parentage.....	13,239	5,618	9,200	5,594	24,707	6,724	3,493	1,096	3,623	8,823
Number in 1900.....	9,288	4,569	4,704	4,127	17,842	6,009	3,444	1,254	3,565	7,661
Native white—Foreign parentage.....	8,589	3,303	6,275	3,124	15,775	3,875	1,808	639	1,979	5,770
Native white—Mixed parentage.....	4,650	2,315	2,925	2,470	8,932	2,849	1,595	437	1,644	3,053
Foreign-born white.....	9,926	3,564	8,516	4,473	18,324	5,554	3,374	974	3,262	5,962
Number in 1900.....	6,702	2,959	3,919	5,239	12,678	4,148	2,462	897	2,064	6,422
<b>PER CENT OF TOTAL POPULATION.</b>										
Native white—Native parentage.....	45.7	49.1	30.5	58.5	44.1	49.3	58.2	44.9	56.0	33.6
Per cent in 1900.....	47.8	60.7	25.0	67.2	45.1	43.1	60.2	37.2	60.5	37.0
Native white—Foreign or mixed parentage.....	28.1	29.0	34.6	20.2	24.6	26.7	18.5	26.7	19.5	32.0
Per cent in 1900.....	26.2	30.0	38.9	21.8	29.8	27.9	18.7	32.0	19.8	35.1
Foreign-born white.....	19.6	18.4	32.0	16.1	21.9	21.2	17.8	23.5	17.4	21.7
Per cent in 1900.....	18.9	17.8	32.4	17.1	21.1	19.3	14.2	23.3	12.2	21.6
<b>FOREIGN NATIONALITIES</b>										
<b>FOREIGN-BORN WHITE: Born in—</b>										
Atlantic islands.....	52	6	157	141	875	144	.....	.....	10	28
Australia.....	29	9	74	11	119	27	5	.....	23	64
Austria.....	279	73	178	52	798	572	206	60	47	98
Canada—French.....	87	4	38	16	116	38	24	24	36	24
Canada—Other.....	660	194	390	403	1,882	491	230	68	213	376
Denmark.....	239	162	112	112	538	185	51	23	57	217
England.....	621	240	818	503	1,675	504	349	82	206	473
Finland.....	25	6	64	2	49	27	42	2	15	33
France.....	655	45	358	164	730	82	65	32	53	101
Germany.....	1,648	441	1,020	416	2,223	667	447	89	341	820
Greece.....	112	30	131	34	107	88	161	41	145	215
Hungary.....	22	1	53	13	48	21	13	1	8	20
Ireland.....	958	249	1,035	291	1,491	364	221	58	194	934
Italy.....	2,434	232	1,912	696	4,328	1,229	682	291	1,215	641
Mexico.....	499	155	35	316	624	242	27	2	12	57
Norway.....	140	21	93	102	108	36	91	10	52	96
Portugal.....	243	686	604	246	1,077	372	83	16	243	797
Russia.....	497	18	129	19	102	21	39	3	27	53
Scotland.....	202	72	276	227	415	142	73	19	50	178
Spain.....	80	20	26	87	86	9	218	6	2	176
Sweden.....	335	194	393	105	890	137	120	41	173	218
Switzerland.....	323	650	517	431	565	205	52	63	90	222
Turkey.....	2	36	2	17	36	2	6	3	3	33
Other foreign countries.....	191	48	206	77	424	119	150	39	47	108
<b>NATIVE WHITE: Both parents born in—</b>										
Austria.....	85	16	46	14	357	190	53	12	26	31
Canada—French.....	55	10	13	7	23	25	9	9	14	19
Canada—Other.....	221	46	118	89	418	138	68	18	75	150
Denmark.....	92	126	95	86	257	106	38	8	18	173
England.....	452	152	332	229	994	224	186	70	130	272
France.....	160	29	145	70	449	43	41	13	37	49
Germany.....	1,835	484	951	413	2,453	669	438	106	431	903
Ireland.....	1,360	273	1,206	337	2,009	480	341	139	299	1,541
Italy.....	1,572	67	900	237	2,626	452	83	89	154	397
Norway.....	10	20	52	59	79	18	54	6	19	74
Russia.....	612	9	63	15	45	4	7	.....	7	7
Scotland.....	130	45	119	144	240	77	12	4	3	130
Sweden.....	152	141	154	44	184	64	18	9	68	125
Switzerland.....	147	706	227	315	316	147	16	24	24	167
All others of foreign parentage.....	1,626	1,150	1,807	1,065	4,805	1,241	456	144	605	1,733

<sup>1</sup> For changes in boundaries, etc., see page 617.

## POPULATION FOR THE STATE AND FOR COUNTIES—Continued.

SUBJECT.	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou. <sup>1</sup>	Solano.
<b>SEX</b>										
Total.....	30,052	10,967	15,224	15,211	43,904	14,050	11,749	2,655	11,758	16,629
Male.....	29,679	8,386	11,361	12,527	39,535	12,090	7,171	1,413	11,753	16,830
Female.....	26,121	10,379	14,544	13,926	40,959	13,317	11,151	2,532	10,965	14,734
White.....	20,218	8,314	11,277	12,356	38,890	11,842	6,722	1,378	6,448	10,698
Negro.....	164	48	33	53	121	52	92	20	140	140
Female.....	143	29	31	55	141	31	67	20	110	110
<b>MALES OF VOTING AGE</b>										
Total.....	21,714	6,951	10,153	10,141	29,134	9,254	8,309	2,024	8,141	11,980
Number in 1900.....	14,321	5,295	4,680	6,841	20,205	7,712	7,414	1,910	7,391	9,392
Native white—Native parentage.....	7,995	2,844	2,323	4,962	10,811	3,653	3,934	609	3,339	3,765
Number in 1900.....	6,657	2,522	2,030	3,679	7,975	3,011	3,591	555	2,704	3,550
Native white—Foreign or mixed parentage.....	3,952	1,373	2,121	1,430	5,804	1,676	1,407	477	1,421	2,756
Number in 1900.....	2,333	946	919	1,062	3,926	1,316	1,213	445	1,242	2,227
Native white—Foreign parentage.....	2,690	841	1,628	769	3,809	1,020	891	321	876	1,352
Native white—Mixed parentage.....	1,292	532	492	661	1,995	656	546	156	553	804
Foreign-born white.....	6,187	2,204	5,012	2,568	9,942	3,309	2,562	732	2,312	3,778
Number in 1900.....	4,066	1,835	2,404	2,009	6,784	2,629	1,857	638	1,682	3,336
Negro.....	108	33	17	39	96	31	71	18	113	113
Number in 1900.....	94	29	14	29	85	25	65	15	44	44
Indian, Chinese, Japanese, and all other.....	3,472	527	589	1,142	2,421	573	335	146	451	1,568
<b>PER CENT OF TOTAL.</b>										
Native white—Native parentage.....	36.8	40.5	22.9	48.9	37.1	39.6	47.3	33.1	48.4	31.4
Native white—Foreign or mixed parentage.....	18.2	19.8	21.8	14.1	20.1	18.1	16.9	23.6	17.5	23.0
Foreign-born white.....	28.5	31.7	49.4	25.3	34.1	35.8	30.8	36.2	28.4	31.5
<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>										
Naturalized.....	2,587	1,281	2,074	1,103	4,842	1,510	1,083	340	864	2,050
Having first papers.....	383	119	475	150	692	180	241	57	167	219
Alien.....	1,963	611	2,148	949	3,219	1,287	1,102	310	1,061	1,262
Unknown.....	1,314	193	315	366	1,189	332	136	25	220	247
<b>ILLITERACY</b>										
<b>ILLITERATE MALES OF VOTING AGE.</b>										
Total number illiterate.....	1,066	350	1,108	666	1,671	618	770	122	412	820
Per cent illiterate.....	5.0	6.9	6.9	6.6	5.7	6.7	9.3	6.0	5.1	6.8
Per cent in 1900.....	6.1	7.7	11.7	7.3	8.7	8.1	4.7	12.8	6.7	7.7
Native white, number illiterate.....	107	65	24	180	110	60	32	7	22	24
Per cent illiterate.....	0.9	1.6	0.5	2.8	0.7	1.1	0.6	0.6	0.4	0.4
Foreign-born white, number illiterate.....	570	215	941	303	1,236	474	553	44	224	623
Per cent illiterate.....	9.2	9.8	18.8	11.8	12.4	14.3	21.6	6.0	9.7	16.5
Negro, number illiterate.....	132	4	20	18	6	3	862	2	4	4
Per cent illiterate.....	6.5	4	.....	.....	.....	.....	.....	.....	.....	3.5
<b>PERSONS 10 YEARS OLD AND OVER.</b>										
Total.....	43,465	15,694	21,464	22,888	70,026	21,775	15,640	3,453	15,418	23,468
Number illiterate.....	1,612	626	1,644	1,094	3,073	891	1,132	156	744	1,398
Per cent illiterate.....	3.7	4.0	7.8	4.8	4.4	4.6	7.2	4.5	4.8	5.7
Native white, number.....	29,514	11,528	12,432	17,140	48,801	15,510	11,465	2,307	11,177	15,498
Number illiterate.....	228	163	56	366	297	119	72	9	46	70
Per cent illiterate.....	0.8	1.4	0.5	2.3	0.6	0.8	0.6	0.4	0.4	0.5
Foreign-born white, number.....	9,709	3,511	8,207	4,371	17,915	5,440	3,312	968	3,183	5,923
Number illiterate.....	947	369	1,484	484	2,331	752	553	57	254	617
Per cent illiterate.....	9.7	10.5	17.7	11.1	13.0	13.8	20.3	5.9	10.5	15.3
Negro, number.....	262	64	56	90	230	71	190	29	229	229
Number illiterate.....	19	14	1	13	3	3	8	3	13	13
Per cent illiterate.....	7.3	.....	.....	5.7	.....	.....	5.7	.....	.....	5.7
<b>PERSONS 10 TO 20 YEARS, INCLUSIVE.</b>										
Total.....	8,739	4,104	4,530	5,039	15,643	4,879	3,297	622	3,353	4,806
Number illiterate.....	94	61	152	67	185	61	107	5	90	69
Per cent illiterate.....	1.1	1.5	3.4	1.3	1.2	1.3	3.2	0.8	2.7	1.4
<b>SCHOOL AGE AND ATTENDANCE</b>										
Total number 6 to 20 years, inclusive.....	11,493	5,542	6,384	6,794	20,815	6,674	4,522	878	4,546	6,409
Number attending school.....	7,154	3,697	4,261	4,578	14,138	4,564	3,065	620	2,889	4,320
Per cent attending school.....	62.2	66.7	66.7	67.4	67.9	68.4	67.8	70.6	63.1	67.1
Number 6 to 9 years.....	2,754	1,438	1,854	1,755	5,172	1,795	1,225	256	1,213	1,603
Number attending school.....	2,096	1,138	1,485	1,413	3,810	1,376	942	217	904	1,350
Number 10 to 14 years.....	3,638	1,812	2,043	2,240	6,643	2,275	1,458	278	1,364	2,047
Number attending school.....	3,386	1,717	1,919	2,091	6,355	2,178	1,374	269	1,288	1,965
Number 15 to 17 years.....	2,404	1,181	1,485	1,364	4,480	1,386	815	149	1,244	1,244
Number attending school.....	1,296	661	803	803	2,825	801	571	100	544	754
Number 18 to 20 years.....	2,667	1,161	1,702	1,435	4,520	1,268	1,026	195	1,125	1,515
Number attending school.....	376	181	184	271	1,148	209	178	34	133	221
<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>										
Total.....	6,392	3,250	3,897	3,995	11,815	4,070	2,683	534	2,577	3,650
Number attending school.....	5,482	2,855	3,407	3,504	10,165	3,554	2,316	486	2,192	3,315
Per cent attending school.....	85.8	87.8	87.4	87.7	86.0	87.3	86.3	91.0	85.1	90.8
Native white—Native parentage, number.....	3,636	1,865	1,660	2,773	5,910	2,481	1,921	363	1,735	1,839
Number attending school.....	3,121	1,621	1,462	2,438	5,097	2,177	1,682	336	1,513	1,671
Per cent attending school.....	85.8	86.9	88.1	87.9	86.2	87.7	87.6	92.6	87.2	90.9
Native white—Foreign or mixed parentage, number.....	2,383	1,291	1,910	1,652	5,054	1,378	921	150	690	1,646
Number attending school.....	2,087	1,153	1,685	935	4,374	1,196	472	134	439	1,508
Per cent attending school.....	87.6	89.3	88.2	88.9	86.5	86.8	90.6	89.3	89.6	91.6
Foreign-born white, number.....	251	70	303	136	670	159	83	12	94	101
Number attending school.....	209	59	243	107	570	144	70	12	86	89
Per cent attending school.....	83.3	.....	80.2	78.7	85.1	90.6	.....	.....	.....	88.1
Negro, number.....	42	12	12	12	23	13	24	1	1	21
Number attending school.....	34	13	11	10	23	13	24	1	1	21
Per cent attending school.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>DWELLINGS AND FAMILIES</b>										
Dwellings, number.....	10,616	4,408	5,926	6,677	19,810	6,826	4,212	1,002	4,425	6,037
Families, number.....	11,259	4,498	6,030	6,866	20,798	6,997	4,323	1,016	4,504	6,314

<sup>1</sup> Native whites having both parents born in countries other than specified, and also those having both parents of foreign birth but born in different countries.

TABLE I.—COMPOSITION AND CHARACTERISTICS OF THE

SUBJECT.	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare. <sup>1</sup>	Tuolumne.	Ventura. <sup>1</sup>	Yolo.	Yuba.
<b>POPULATION</b>										
Total population, 1910.....	48,384	22,522	6,328	11,401	3,301	35,440	9,978	18,347	13,926	10,042
1900.....	38,384	9,550	5,588	10,996	4,283	18,375	11,166	14,367	13,618	8,620
1890.....	32,721	10,040	5,169	9,916	3,719	23,574	6,682	10,071	12,684	9,636
1880.....	25,926	8,751	5,159	9,301	4,999	11,281	7,848	5,073	11,772	11,284
1870.....	19,819	6,499	5,030	3,587	3,213	4,533	8,150	.....	9,899	10,561
Increase, 1900-1910.....	9,914	12,972	442	405	-1,082	17,065	-1,187	3,980	308	1,422
Per cent of increase.....	25.8	135.8	7.5	3.7	-24.7	92.9	-10.6	27.7	2.3	16.5
Increase, 1890-1900.....	5,759	-490	417	1,080	664	-6,342	5,084	4,296	934	-1,016
Per cent of increase.....	17.6	-4.9	7.6	10.9	17.9	-25.8	83.6	42.7	7.4	-10.5
Land area (square miles).....	1,577	1,450	608	2,893	3,166	4,856	2,190	1,878	1,014	639
Population per square mile, 1910.....	30.7	15.5	10.4	3.9	1.0	7.3	4.6	9.8	13.7	15.7
Rural population per square mile, 1910.....	22.0	12.8	10.4	2.7	1.0	5.2	4.6	6.8	10.6	7.2
<b>URBAN AND RURAL TERRITORY.</b>										
Urban, 1910—Places of 2,500 or more in 1910.....	13,697	4,034	.....	3,530	.....	10,004	.....	5,500	3,187	5,430
Same places in 1900.....	10,544	2,024	.....	2,750	.....	5,301	.....	2,470	2,886	3,497
Per cent of increase, 1900-1910.....	29.9	99.3	.....	28.4	.....	88.7	.....	122.7	10.4	55.7
Rural, 1910—Remainder of county in 1910.....	34,697	18,488	6,328	7,871	3,301	25,436	9,979	12,847	10,739	4,612
Same territory in 1900.....	27,936	7,526	5,886	8,246	4,383	13,074	11,166	11,897	10,732	5,123
Per cent of increase, 1900-1910.....	24.2	145.7	7.5	-4.5	-24.7	94.6	-10.0	8.0	0.1	-10.0
Urban, 1900—Places of 2,500 or more in 1900.....	10,544	2,024	.....	2,750	.....	3,088	.....	2,470	2,886	3,497
Rural, 1900—Remainder of county in 1900.....	27,936	9,550	5,886	8,246	4,383	15,290	11,166	14,367	10,732	5,123
Per cent in places of 2,500 or more, 1910.....	28.3	17.9	.....	31.0	.....	28.2	.....	30.0	22.9	54.1
Per cent in places of 2,500 or more, 1900.....	27.4	.....	.....	25.0	.....	16.8	.....	21.2	.....	40.6
<b>COLOR AND NATIVITY</b>										
White.....	47,167	22,129	6,012	10,809	2,903	34,159	9,698	17,132	12,618	8,909
Number in 1900.....	37,385	9,253	6,451	9,878	3,863	17,769	10,804	15,829	12,662	7,651
Number in 1900.....	31,160	9,646	6,094	8,671	2,945	25,235	6,559	9,418	11,912	8,416
Negro.....	43	89	10	91	8	190	14	64	280	203
Number in 1900.....	32	61	34	147	73	63	34	172	172	172
Number in 1890.....	45	61	47	252	27	207	52	110	122	218
Black.....	28	62	9	52	3	99	12	48	136	184
Mulatto.....	15	27	1	39	5	91	2	16	144	19
Ind., Chi., Jap., and all other (see Tables I and IV).....	1,184	304	306	501	390	1,031	267	1,151	1,028	930
Native white—Native parentage.....	22,876	13,266	4,052	7,386	1,788	24,621	4,262	10,350	7,575	5,288
Number in 1900.....	19,633	6,577	3,637	6,868	2,168	15,327	4,638	8,619	7,618	4,378
Native white—Foreign or mixed parentage.....	13,886	5,029	1,274	2,673	700	5,589	3,149	3,714	3,159	2,305
Number in 1900.....	10,511	2,193	1,287	2,638	976	4,827	3,790	3,225	3,274	2,214
Native white—Foreign parentage.....	9,081	3,119	722	1,109	373	3,220	1,984	2,075	1,870	1,372
Native white—Mixed parentage.....	4,805	1,910	552	969	327	2,369	1,165	1,639	1,289	933
Foreign-born white.....	10,405	3,834	686	1,345	415	3,949	2,287	3,068	1,884	1,318
Number in 1900.....	7,541	1,453	587	1,165	659	1,555	2,576	1,982	1,870	1,059
<b>PER CENT OF TOTAL POPULATION.</b>										
Native white—Native parentage.....	47.3	58.9	64.0	64.8	54.2	69.5	42.7	56.4	54.4	52.7
Per cent in 1900.....	50.8	68.4	61.8	60.8	49.5	72.5	47.5	60.0	55.2	60.8
Native white—Foreign or mixed parentage.....	28.7	22.3	20.8	21.2	20.8	15.2	34.6	22.2	22.7	22.7
Per cent in 1900.....	26.8	23.0	20.8	18.5	22.5	15.4	35.9	22.4	24.0	25.7
Foreign-born white.....	21.5	17.0	10.8	11.8	12.1	11.1	22.9	16.7	13.5	13.1
Per cent in 1900.....	19.6	15.2	10.0	10.5	15.0	8.5	21.3	15.8	15.7	12.5
<b>FOREIGN NATIONALITIES</b>										
<b>FOREIGN-BORN WHITE: Born in—</b>										
Atlantic Islands.....	87	69	.....	12	1	5	14	9	4	1
Australia.....	42	12	1	12	.....	8	8	8	3	3
Austria.....	122	35	7	32	20	117	164	31	22	19
Canada—French.....	54	17	9	27	3	49	34	17	7	14
Canada—Other.....	723	311	55	167	55	436	152	239	149	89
Denmark.....	127	231	15	19	18	71	33	37	22	18
England.....	699	232	71	133	38	253	302	216	178	125
Finland.....	72	2	3	6	7	31	12	8	2	8
France.....	329	66	24	267	19	72	46	106	10	46
Germany.....	1,969	497	172	258	90	540	215	355	528	263
Greece.....	68	13	23	40	1	17	1	62	66	250
Hungary.....	23	9	4	11	.....	13	4	4	4	6
Ireland.....	823	153	53	158	46	125	166	142	210	205
Italy.....	2,715	292	9	26	23	303	568	138	140	35
Mexico.....	41	180	7	21	5	560	107	1,161	24	21
Norway.....	149	18	15	144	28	34	22	88	22	13
Portugal.....	346	518	55	77	19	303	84	96	163	58
Russia.....	67	10	5	4	2	216	9	14	47	11
Scotland.....	208	74	21	52	9	98	58	86	49	42
Spain.....	27	31	3	21	.....	11	52	58	22	33
Sweden.....	353	666	40	58	23	279	108	45	50	34
Switzerland.....	920	190	78	31	10	100	32	64	102	32
Turkey.....	17	1	1	36	2	2	2	5	5	1
Other foreign countries.....	208	79	16	108	16	74	84	109	62	40
<b>NATIVE WHITE: Both parents born in—</b>										
Austria.....	57	28	5	13	6	95	37	9	19	14
Canada—French.....	23	14	2	11	.....	40	22	6	7	4
Canada—Other.....	191	86	19	51	.....	134	89	29	44	26
Denmark.....	249	116	8	7	9	38	20	19	14	2
England.....	408	198	74	101	28	180	281	111	98	128
France.....	154	39	11	7	10	61	42	57	13	21
Germany.....	2,042	559	284	282	99	795	243	284	723	326
Ireland.....	1,117	258	101	187	81	234	374	198	252	442
Italy.....	1,533	118	2	13	3	127	333	56	65	16
Norway.....	94	86	7	26	6	21	11	11	9	9
Russia.....	33	7	.....	.....	.....	259	4	20	19	6
Scotland.....	146	54	20	37	4	66	44	54	36	32
Sweden.....	199	49	26	199	29	265	60	127	127	127
Switzerland.....	79	67	6	6	1	46	20	50	39	10
All others of foreign parentage.....	2,068	800	136	318	115	868	484	963	505	318

<sup>1</sup> For changes in boundaries, etc., see page 617.<sup>2</sup> See Note 2 on page 617.

## POPULATION FOR THE STATE AND FOR COUNTIES—Continued.

SUBJECT.	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare. <sup>1</sup>	Tuolumne.	Ventura. <sup>1</sup>	Yolo.	Yuba.
<b>SEX</b>										
Total.. Male.....	28,113	12,820	3,710	8,583	2,168	19,817	6,093	10,820	8,162	6,433
Female.....	22,281	9,702	2,618	4,818	1,135	15,823	3,886	7,727	5,764	3,609
White.. Male.....	25,190	12,508	3,434	6,111	1,898	18,789	5,906	9,499	7,061	5,479
Female.....	21,977	9,621	2,578	4,698	1,005	15,370	3,792	7,633	5,557	3,430
Negro.. Male.....	25	53	4	40	5	118	13	12	103	18
Female.....	18	36	6	51	3	72	1	32	92	100
<b>MALES OF VOTING AGE</b>										
Total number.....	18,770	8,274	2,471	4,456	1,808	12,233	4,341	8,805	5,787	4,889
Number in 1900.....	15,051	3,661	2,382	4,335	2,268	6,194	5,042	4,979	5,214	3,500
Native white—Native parentage.....	6,741	4,229	1,276	2,485	758	7,593	1,448	3,130	2,546	2,021
Number in 1900.....	5,716	1,835	1,183	2,180	974	3,969	1,802	2,519	2,555	1,362
Native white—Foreign or mixed parentage.....	3,310	1,424	427	378	1,171	330	1,470	982	1,093	1,044
Number in 1900.....	2,146	665	444	583	411	775	1,328	794	896	697
Native white—Foreign parentage.....	2,248	903	294	439	202	889	824	555	724	761
Native white—Mixed parentage.....	1,062	521	173	279	128	541	347	427	339	336
Foreign-born white.....	5,967	2,365	480	853	328	2,324	1,586	1,750	1,212	961
Number in 1900.....	4,378	915	391	703	589	1,698	1,208	1,183	669	669
Negro.....	15	34	4	28	3	81	11	20	104	78
Number in 1900.....	11	36	14	65	21	23	62	53	58	53
Indian, Chinese, Japanese, and all other.....	737	222	244	372	187	795	125	1,023	812	755
<b>PER CENT OF TOTAL</b>										
Native white—Native parentage.....	40.2	51.1	51.6	55.8	47.2	61.8	33.4	45.3	44.0	41.6
Native white—Foreign or mixed parentage.....	19.7	17.2	18.9	16.1	20.5	12.0	27.0	14.2	18.7	21.5
Foreign-born white.....	35.6	28.6	19.4	19.1	20.4	19.0	36.5	25.3	20.9	19.8
<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>										
Naturalized.....	3,000	1,070	273	515	221	938	827	642	713	439
Having first papers.....	305	182	29	34	33	188	142	60	102	56
Alien.....	1,709	661	137	188	41	788	527	769	293	326
Unknown.....	962	452	41	116	33	410	90	279	104	140
<b>ILLITERACY</b>										
<b>ILLITERATE MALES OF VOTING AGE.</b>										
Total number illiterate.....	875	327	237	198	152	511	302	573	163	577
Per cent illiterate.....	5.2	4.0	9.6	4.4	9.4	4.2	7.0	8.3	2.8	11.8
Per cent in 1900.....	4.9	4.6	9.5	6.4	9.0	4.7	6.0	9.3	7.6	2.9
Native white, number illiterate.....	206	21	11	28	5	54	22	94	19	16
Per cent illiterate.....	2.0	0.4	0.8	0.9	0.5	0.6	0.8	2.3	0.5	0.5
Foreign-born white, number illiterate.....	497	267	63	41	36	281	198	379	76	153
Per cent illiterate.....	8.3	11.3	13.1	4.8	11.0	12.1	12.5	21.7	6.3	16.4
Negro, number illiterate.....	1	2	3	1	1	13	1	1	33	5
Per cent illiterate.....									24.6	
<b>PERSONS 10 YEARS OLD AND OVER.</b>										
Total number.....	39,981	18,275	5,233	9,524	2,743	28,263	8,309	14,947	11,835	8,688
Number illiterate.....	1,737	482	286	295	208	851	467	1,035	233	692
Per cent illiterate.....	4.3	2.6	5.7	3.1	7.5	3.0	5.6	6.9	2.0	8.0
Native white, number.....	28,730	14,175	4,254	7,657	2,012	23,313	5,805	10,807	8,794	6,324
Number illiterate.....	568	37	26	38	14	104	36	230	38	32
Per cent illiterate.....	2.0	0.3	0.6	0.5	0.7	0.4	0.6	2.1	0.4	0.5
Foreign-born white, number.....	10,185	3,748	683	1,324	410	3,809	2,264	2,970	1,502	1,314
Number illiterate.....	874	396	91	91	89	291	191	291	187	291
Per cent illiterate.....	8.6	10.6	13.3	6.5	11.7	12.9	12.9	23.4	5.8	15.7
Negro, number.....	41	74	10	76	6	161	14	52	240	176
Number illiterate.....	3	3	3	5	1	28	2	3	39	6
Per cent illiterate.....						17.4			16.3	3.4
<b>PERSONS 10 TO 20 YEARS, INCLUSIVE.</b>										
Total number.....	9,733	4,569	1,225	2,276	521	7,418	1,693	3,649	2,607	1,552
Number illiterate.....	310	43	16	21	11	107	43	125	16	46
Per cent illiterate.....	3.2	0.9	1.3	0.9	2.1	1.4	2.5	3.4	0.6	3.0
<b>SCHOOL AGE AND ATTENDANCE</b>										
Total number 6 to 20 years, inclusive.....	12,112	8,218	1,671	3,112	749	10,146	2,343	4,943	3,417	2,047
Number attending school.....	8,198	4,153	1,159	2,301	487	6,949	1,535	3,240	2,291	1,256
Per cent attending school.....	62.5	66.8	69.4	73.9	65.0	68.5	65.5	65.5	67.0	61.4
Number 6 to 9 years.....	3,379	1,649	446	836	228	2,728	650	1,294	810	495
Number attending school.....	2,393	1,132	340	700	146	2,107	522	1,020	624	332
Number 10 to 14 years.....	4,306	2,079	562	1,077	239	3,317	726	1,551	1,144	556
Number attending school.....	3,925	1,951	539	1,032	218	3,142	675	1,465	1,080	591
Number 15 to 17 years.....	2,714	1,222	316	622	144	2,013	431	921	435	251
Number attending school.....	1,577	802	219	435	94	1,338	276	569	430	228
Number 18 to 20 years.....	2,713	1,268	347	577	141	2,088	536	1,097	768	521
Number attending school.....	403	268	61	134	29	362	62	186	157	85
<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>										
Total number.....	7,685	3,728	1,008	1,913	467	6,045	1,376	2,875	1,954	1,091
Number attending school.....	6,218	3,083	879	1,732	364	5,249	1,197	2,485	1,704	883
Per cent attending school.....	80.9	82.7	87.2	90.5	77.9	86.8	87.0	86.4	87.2	80.9
Native white—Native parentage, number.....	4,041	2,529	800	1,446	313	4,515	844	1,923	1,291	823
Number attending school.....	3,320	2,109	694	1,308	255	3,942	738	1,705	1,132	699
Per cent attending school.....	82.2	83.4	86.8	90.5	81.5	87.3	87.4	88.7	87.7	81.3
Native white—Foreign or mixed parentage, number.....	3,189	1,057	191	379	81	1,253	469	760	506	213
Number attending school.....	2,577	867	173	350	64	1,199	413	646	506	194
Per cent attending school.....	80.8	82.0	90.6	92.3		88.5	88.1	85.0	89.4	86.4
Foreign-born white, number.....	357	110	4	33	8	193	27	167	44	5
Number attending school.....	276	84	3	28	6	147	21	116	37	2
Per cent attending school.....	77.3	76.4				76.2		69.5		
Negro, number.....	4	12	2	2	2	25		10	34	18
Number attending school.....	3	4	2	21	1	15		8	27	16
Per cent attending school.....										
<b>DWELLINGS AND FAMILIES</b>										
Dwellings, number.....	11,949	5,012	1,472	2,605	878	8,235	2,499	4,264	3,242	1,988
Families, number.....	12,114	5,326	1,491	2,697	882	8,431	2,554	4,323	3,309	2,073

<sup>1</sup> Native whites having both parents born in countries other than specified, and also those having both parents of foreign birth but born in different countries.

TABLE II.—COMPOSITION AND CHARACTERISTICS OF THE

[Per cent not shown where base is less than 100.]

SUBJECT.	TOTAL CITIES NAMED.	Berkeley. <sup>1</sup>	Los Angeles. <sup>1</sup>	Oakland. <sup>1</sup>	Pasadena. <sup>1</sup>	Sacramento.	San Diego.	San Francisco.	San Jose.
<b>POPULATION</b>									
Total population, 1910.....	1,070,229	40,434	319,198	150,174	30,291	44,686	39,578	416,912	28,946
1900.....	603,034	13,214	102,479	66,960	9,117	29,282	17,700	342,782	21,500
1890.....	408,662	5,101	50,395	48,682	4,882	26,386	16,159	298,997	18,060
1880.....	316,321	.....	11,183	34,555	.....	21,420	2,637	233,959	12,567
1870.....	159,373	.....	5,728	10,500	.....	16,283	2,300	149,473	9,089
Increase, 1900-1910.....	467,195	27,220	216,719	83,214	21,174	15,414	21,878	74,130	7,446
Per cent of increase.....	77.5	206.0	211.5	124.3	232.2	52.6	123.6	21.6	34.4
Increase, 1890-1900.....	134,372	8,113	52,084	18,278	4,235	2,896	1,541	43,785	3,440
Per cent of increase.....	28.7	159.0	103.4	37.5	86.7	11.0	9.5	14.6	19.0
<b>COLOR AND NATIVITY</b>									
White.....	1,023,684	38,995	305,307	141,956	29,190	41,705	38,465	400,014	28,052
Number in 1900.....	575,240	12,968	98,068	64,788	8,781	27,478	17,077	355,378	20,690
Number in 1890.....	430,446	4,968	47,505	46,855	4,763	24,504	16,081	270,699	16,769
Negro.....	14,552	247	7,599	3,055	744	486	597	1,642	182
Number in 1900.....	6,019	66	2,131	1,026	218	400	573	1,654	209
Number in 1890.....	4,709	11	548	614	75	889	1,407	1,847	183
Black.....	8,795	89	5,101	1,434	499	270	398	881	123
Mulatto.....	5,757	158	2,498	1,621	245	216	199	761	59
Indian.....	170	2	81	20	2	6	8	46	5
Chinese.....	18,459	451	1,954	3,609	102	1,054	348	10,582	359
Japanese.....	13,180	710	4,238	1,520	253	1,437	159	4,518	345
All other.....	184	29	19	14	.....	8	1	110	3
Native white—Native parentage.....	434,574	19,479	169,967	55,198	19,026	19,821	22,550	115,359	13,174
Number in 1900.....	305,311	6,266	54,060	24,790	5,992	12,342	9,579	85,668	9,924
Native white—Foreign or mixed parentage.....	329,812	11,863	74,756	49,306	5,867	12,999	8,549	155,781	9,061
Number in 1900.....	214,365	6,642	36,106	23,765	1,619	9,721	4,720	130,629	6,731
Native white—Foreign parentage.....	214,365	7,120	45,715	32,940	3,150	8,338	4,743	107,293	5,617
Native white—Mixed parentage.....	111,887	4,743	29,041	16,987	2,717	4,661	3,806	46,488	3,444
Foreign-born white.....	202,298	7,653	60,884	36,822	4,237	8,885	7,366	130,574	5,717
Number in 1900.....	155,564	5,097	17,717	16,223	1,170	6,413	5,471	104,892	4,045
<b>PER CENT OF TOTAL POPULATION.</b>									
Native white—Native parentage.....	40.6	48.2	53.2	36.8	62.8	44.3	57.0	27.7	45.5
Number in 1900.....	34.0	39.9	62.8	37.0	65.7	42.1	63.0	24.4	46.2
Native white—Foreign or mixed parentage.....	30.5	29.3	23.4	33.3	19.4	29.1	21.6	36.9	31.3
Number in 1900.....	35.5	35.1	25.5	35.5	17.8	35.2	23.9	40.1	51.5
Foreign-born white.....	24.5	18.9	19.0	24.5	14.0	19.9	18.6	31.4	20.1
Number in 1900.....	25.8	23.2	17.5	27.2	12.8	18.5	19.6	30.4	18.8
<b>SEX</b>									
Total.....Male.....	571,451	19,518	162,689	78,222	13,684	25,332	20,726	236,901	14,399
Female.....	498,778	20,916	156,529	71,952	16,607	19,354	18,852	180,011	14,547
White.....Male.....	536,815	18,450	153,602	72,250	13,013	22,896	19,945	222,829	13,727
Female.....	456,869	20,455	151,705	69,606	16,177	18,809	18,517	177,185	14,325
Negro.....Male.....	7,418	102	3,682	1,614	342	270	300	1,025	83
Female.....	7,134	145	3,917	1,441	402	216	297	617	99
<b>FOREIGN NATIONALITIES</b>									
<b>FOREIGN-BORN WHITE: Born in—</b>									
Australia.....	2,196	103	220	402	8	44	36	1,347	36
Austria.....	9,437	412	2,510	1,267	52	182	151	4,641	151
Canada—French.....	1,557	22	592	245	37	67	68	474	52
Canada—Other.....	20,122	914	7,657	2,881	920	668	922	5,687	473
Denmark.....	6,380	296	1,096	1,461	62	188	121	3,118	68
England.....	25,686	1,094	7,573	3,707	824	1,010	1,086	9,815	575
Finland.....	2,831	338	261	319	6	27	28	1,846	6
France.....	10,270	256	1,914	1,204	47	146	171	6,244	288
Germany.....	44,507	1,251	9,683	5,476	678	1,477	1,193	24,107	752
Greece.....	3,742	117	261	470	48	268	68	2,274	36
Holland.....	1,194	28	408	165	35	18	22	500	18
Hungary.....	2,459	34	819	248	16	49	37	1,247	9
Ireland.....	34,423	695	3,877	4,160	336	1,156	517	23,151	531
Italy.....	28,198	329	3,802	3,800	34	1,162	331	16,918	1,822
Mexico.....	9,414	75	5,611	249	277	103	1,222	1,763	114
Norway.....	6,350	220	1,093	996	85	150	53	3,769	33
Portugal.....	5,044	62	128	3,367	6	572	79	570	120
Russia.....	10,763	224	4,758	799	75	117	118	4,640	32
Scotland.....	7,671	344	1,589	1,322	154	206	265	3,668	123
Spain.....	11,746	11	284	101	5	34	20	1,170	21
Sweden.....	14,692	626	3,414	2,337	383	296	424	6,969	243
Switzerland.....	4,776	158	828	618	53	271	113	2,587	148
Wales.....	1,276	36	414	267	31	48	40	98	32
Other foreign countries.....	7,504	240	1,680	961	100	246	205	3,938	134
<b>NATIVE WHITE: Both parents born in—</b>									
Austria.....	3,090	46	742	365	28	100	77	1,674	58
Canada—French.....	8,083	24	289	147	14	33	40	227	29
Canada—Other.....	5,577	264	1,760	595	201	205	200	1,881	156
Denmark.....	3,039	200	598	861	32	135	25	1,125	63
England.....	12,689	576	3,607	2,135	417	789	507	4,235	423
France.....	5,087	176	1,155	690	30	86	67	2,687	196
Germany.....	50,345	1,560	12,494	6,150	991	2,093	1,306	24,753	998
Ireland.....	46,360	1,014	5,209	5,428	283	1,783	472	31,262	819
Italy.....	16,884	229	2,289	2,228	20	544	117	10,206	1,251
Norway.....	5,239	182	656	595	84	103	52	966	20
Russia.....	5,339	123	2,406	441	47	68	43	2,185	26
Scotland.....	3,803	172	942	771	82	133	99	1,572	92
Sweden.....	42,341	422	2,044	1,391	170	139	235	27,601	309
Switzerland.....	2,479	82	219	175	19	57	17	1,245	99
Wales.....	997	32	308	174	44	36	30	292	21
All others of foreign parentage.....	48,608	1,988	10,777	10,356	673	1,875	1,365	29,412	1,187

<sup>1</sup> For changes in boundaries, etc., see page 617.

# STATISTICS OF POPULATION.

611

## POPULATION FOR CITIES OF 25,000 OR MORE.

[Per cent not shown where base is less than 100.]

SUBJECT.	TOTAL, CITIES NAMED.	Berkeley. <sup>1</sup>	Los Angeles. <sup>1</sup>	Oakland. <sup>1</sup>	Pasa- dena. <sup>1</sup>	Sacra- mento.	San Diego.	San Francisco.	San Jose.
<b>MALES OF VOTING AGE</b>									
Total number.....	410,053	12,622	114,839	53,987	9,262	18,777	14,824	175,951	9,781
Number in 1900.....	212,679	3,734	33,049	20,851	2,675	10,914	5,885	128,985	6,586
Native white—Native parentage.....	146,028	5,363	57,829	17,046	5,509	6,972	7,853	41,619	3,837
Number in 1900.....	62,273	1,357	16,024	6,987	1,684	3,921	2,832	27,179	2,489
Native white—Foreign or mixed parentage.....	93,900	2,822	20,228	12,783	1,459	4,437	2,461	46,740	2,370
Number in 1900.....	50,575	790	6,765	4,863	330	2,764	824	33,579	1,560
Native white—Foreign parentage.....	64,752	1,790	13,083	8,992	845	3,651	1,505	33,979	1,526
Native white—Mixed parentage.....	29,548	1,032	7,145	3,791	1,386	496	12,780	846	414
Foreign-born white.....	142,216	3,627	29,576	19,334	1,772	5,331	3,845	75,708	2,963
Number in 1900.....	80,943	1,427	8,618	7,701	474	2,917	1,759	66,102	1,545
Negro.....	5,428	56	2,571	1,238	227	207	232	831	66
Number in 1900.....	2,061	10	682	355	72	153	87	619	77
Indian, Chinese, Japanese, and all other.....	23,081	754	4,685	3,566	295	1,830	433	10,993	525
<b>PER CENT OF TOTAL.</b>									
Native white—Native parentage.....	35.6	42.5	50.3	31.6	59.5	37.1	53.0	23.7	39.3
Native white—Foreign or mixed parentage.....	22.8	22.4	17.6	23.7	15.8	23.6	16.6	26.6	24.3
Foreign-born white.....	34.7	28.7	25.7	35.8	19.1	28.4	25.9	43.1	30.4
<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>									
Naturalized.....	70,024	2,096	14,097	10,237	1,101	2,424	2,057	36,375	1,637
Having first papers.....	16,652	339	2,730	2,004	125	402	190	10,681	181
Alien.....	41,285	854	8,662	5,968	402	1,779	936	21,872	812
Unknown.....	14,255	338	4,087	1,125	144	726	662	6,840	333
<b>ILLITERATE</b>									
<b>ILLITERATE MALES OF VOTING AGE.</b>									
Total number illiterate.....	8,981	250	2,270	1,877	160	264	268	3,521	371
Per cent illiterate.....	2.2	2.0	2.0	3.5	1.7	1.4	1.8	2.0	3.8
Per cent in 1900.....	3.0	1.6	2.7	3.6	2.1	5.0	2.5	2.8	5.5
Native white, number illiterate.....	543	9	163	111	32	15	26	158	29
Per cent illiterate.....	0.2	0.1	0.2	0.4	0.5	0.1	0.3	0.2	0.5
Foreign-born white, number illiterate.....	6,921	203	1,806	1,494	77	170	210	2,683	278
Per cent illiterate.....	4.9	5.6	1.1	7.7	4.3	3.2	5.5	3.5	9.4
Negro, number illiterate.....	295	1	115	34	9	23	43	1	1
Per cent illiterate.....	4.3	.....	4.5	2.7	4.0	4.3	9.9	5.2	.....
<b>PERSONS 10 YEARS OLD AND OVER.</b>									
Total number.....	924,117	34,354	275,863	126,914	26,259	38,973	34,300	362,862	24,628
Number illiterate.....	19,472	475	5,258	3,863	329	534	545	3,866	431
Per cent illiterate.....	2.1	1.4	1.9	3.0	1.2	1.4	1.6	2.1	3.2
Native white, number.....	628,084	25,551	204,820	83,508	21,102	27,476	26,136	218,383	18,118
Number illiterate.....	1,569	18	506	335	38	57	56	387	42
Per cent illiterate.....	0.3	0.1	0.2	0.4	0.4	0.2	0.3	0.2	0.4
Foreign-born white, number.....	256,635	7,501	58,666	36,042	4,184	8,748	7,131	128,672	5,691
Number illiterate.....	15,064	394	4,101	3,000	159	412	367	5,487	376
Per cent illiterate.....	5.9	5.3	7.0	8.3	3.8	4.3	5.8	4.7	11.2
Negro, number.....	12,638	211	6,528	2,656	632	433	541	1,480	157
Number illiterate.....	678	8	389	87	38	24	52	76	4
Per cent illiterate.....	5.4	3.8	6.0	3.3	6.0	5.5	9.6	5.1	2.5
<b>PERSONS 10 TO 20 YEARS, INCLUSIVE.</b>									
Total number.....	175,946	7,809	52,846	25,669	5,047	7,273	6,516	65,557	5,229
Number illiterate.....	1,566	25	520	242	37	34	69	603	36
Per cent illiterate.....	0.9	0.3	1.0	0.9	0.7	0.5	1.1	0.9	0.7
<b>SCHOOL AGE AND ATTENDANCE</b>									
Total number 6 to 20 years, inclusive.....	230,029	10,050	69,036	34,153	8,621	9,381	8,552	85,368	6,868
Number attending school.....	145,723	7,466	44,955	22,253	4,814	5,485	5,806	50,128	4,776
Per cent attending school.....	63.3	74.3	65.2	65.2	72.7	58.5	67.9	58.7	69.5
Number 6 to 9 years.....	54,083	2,241	16,190	8,484	1,574	2,108	2,036	19,811	1,639
Number attending school.....	44,622	1,833	14,077	6,796	1,308	1,658	1,738	15,805	1,377
Number 10 to 14 years.....	69,049	3,065	20,909	10,468	2,116	2,699	2,822	24,822	2,117
Number attending school.....	64,535	2,983	19,624	10,631	2,017	2,476	2,497	22,854	2,053
Number 15 to 17 years.....	48,067	2,228	14,334	6,999	1,405	2,007	1,765	17,842	1,487
Number attending school.....	26,536	1,641	8,966	3,974	994	1,025	1,104	8,778	844
Number 18 to 20 years.....	58,930	2,486	17,513	8,202	1,526	2,533	2,052	22,883	1,625
Number attending school.....	10,030	1,009	3,228	1,452	495	316	447	2,691	392
<b>PERSONS 6 TO 14 YEARS, INCLUSIVE.</b>									
Total number.....	123,132	5,336	37,189	18,952	3,690	4,841	4,735	44,633	3,756
Number attending school.....	109,157	4,816	33,701	16,827	3,325	4,144	4,255	38,659	3,430
Per cent attending school.....	88.7	90.3	90.6	88.8	90.1	85.6	89.9	86.6	91.3
Native white—Native parentage, number.....	59,791	2,887	21,179	8,371	2,580	2,946	2,852	17,005	1,971
Number attending school.....	53,053	2,586	19,167	7,419	2,360	2,507	2,579	14,660	1,775
Per cent attending school.....	88.7	89.6	90.5	88.6	91.5	85.1	90.4	86.2	90.1
Native white—Foreign or mixed parentage, number.....	51,835	2,106	12,076	8,819	1,886	1,518	1,476	25,419	1,535
Number attending school.....	46,378	1,923	11,073	7,890	780	1,318	1,347	20,609	1,436
Per cent attending school.....	89.5	91.3	91.7	89.5	88.0	86.8	91.3	88.0	93.6
Foreign-born white, number.....	8,416	241	2,820	1,145	128	216	336	3,324	206
Number attending school.....	7,237	218	2,455	1,007	101	191	265	2,513	187
Per cent attending school.....	86.0	90.5	87.1	87.9	78.9	88.4	78.9	84.6	90.8
Negro, number.....	1,568	41	933	280	93	46	53	108	14
Number attending school.....	1,416	36	868	247	82	35	46	88	12
Per cent attending school.....	90.3	.....	93.0	88.2	.....	.....	.....	80.6	.....
<b>DWELLINGS AND FAMILIES</b>									
Dwellings, number.....	207,664	8,720	69,061	31,740	7,796	8,809	9,874	65,025	6,639
Families, number.....	247,966	9,791	78,678	36,723	8,273	10,189	10,601	86,414	7,297

<sup>1</sup> Native whites having both parents born in countries other than specified, and also those having both parents of foreign birth but born in different countries.

TABLE III.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION FOR CITIES OF 10,000 TO 25,000.

SUBJECT.	TOTAL, CITIES NAMED.	Ala- meda.	Bakers- field. <sup>1</sup>	Eure- ka.	Fresno. <sup>1</sup>	Long Beach.	Po- mona.	Red- lands.	River- side.	San Bernar- side.	Santa Bar- bara.	Santa Cruz.	Stock- ton.	Val- lejo.
<b>COLOR AND NATIVITY</b>														
Total population, 1910	196,701	23,383	12,727	11,845	24,892	17,809	10,207	10,449	15,212	12,779	11,659	11,146	23,253	11,340
1900	105,312	10,464	4,836	7,357	12,470	12,522	5,526	4,797	7,973	6,150	7,008	5,669	17,406	7,965
Native white—Native parentage	106,076	8,831	7,926	7,327	12,619	12,522	7,608	6,784	8,844	7,527	6,587	6,178	11,061	4,807
Native white—Foreign or mixed parentage	46,318	5,056	2,224	3,843	4,931	3,086	1,627	1,921	2,496	2,068	2,365	2,827	6,945	4,050
Foreign-born white	38,178	5,550	1,734	5,445	5,440	1,942	882	1,246	2,166	2,243	1,754	1,959	4,178	2,032
Negro	2,152	211	262	19	250	107	27	130	421	177	77	58	166	224
Ind., Chi., Jap., and all other	6,836	730	581	26	1,627	155	63	268	1,285	164	416	124	1,173	224
<b>FOREIGN NATIONALITIES</b>														
<b>FOREIGN-BORN WHITE: Born in—</b>														
Australia	189	66	12	13	17	8	2	4	9	14	4	9	18	13
Austria	817	105	47	137	137	15	7	30	37	48	23	49	145	37
Canada	4,269	450	165	909	300	486	237	294	592	227	224	241	367	140
Denmark	960	243	27	75	234	62	22	16	27	57	32	30	109	36
England	3,903	766	182	134	285	461	191	181	294	232	276	276	386	239
Finland	552	36	25	479	8	1	1	4	3	5	1	3	12	14
France	1,156	243	170	21	180	24	28	26	54	37	88	39	180	54
Germany	4,542	1,235	211	227	364	262	114	173	125	275	235	274	733	314
Greece	356	142	10	11	39	4	5	3	6	8	30	56	72	72
Holland	106	16	4	14	34	10	2	27	11	3	9	18	14	4
Ireland	2,984	459	103	346	165	119	37	101	86	115	153	171	627	502
Italy	3,299	483	153	356	602	9	3	6	128	73	283	370	704	461
Mexico	2,821	83	352	4	282	122	116	208	456	888	123	12	188	7
Norway	732	135	10	313	15	30	10	22	21	15	48	13	61	39
Portugal	702	74	24	17	150	2	1	41	5	4	11	151	134	89
Russia	1,607	43	31	24	1,192	55	10	15	8	33	7	7	151	31
Scotland	1,143	218	35	56	96	129	30	56	97	39	100	61	117	109
Spain	731	18	31	2	93	6	2	1	10	10	10	7	4	4
Sweden	1,606	386	55	284	129	56	34	92	159	64	49	52	147	99
Switzerland	595	76	39	97	40	21	13	13	18	20	33	87	93	45
Turkey	1,097	5	10	5	993	12	1	4	11	12	8	1	13	21
Other foreign countries	878	173	36	73	90	58	17	31	32	62	39	58	133	78
<b>NATIVE WHITE: Both parents born in—</b>														
Austria	312	56	21	23	55	5	7	33	8	18	5	23	45	13
Canada	1,626	156	81	509	111	87	95	70	163	60	40	79	124	51
Denmark	592	177	12	44	176	23	13	4	8	35	21	13	46	20
England	2,728	578	72	128	267	122	115	115	169	123	118	244	386	222
France	638	120	126	12	64	17	14	20	35	26	43	24	115	22
Germany	5,437	1,315	232	266	409	405	234	219	228	342	226	289	884	388
Ireland	3,970	613	175	233	239	158	60	102	90	129	184	206	833	908
Italy	1,715	296	61	94	342	10	3	1	35	43	116	174	455	85
Norway	438	55	9	158	17	29	8	22	24	9	22	8	40	37
Russia	731	28	18	6	531	32	8	1	6	10	11	3	80	17
Scotland	718	156	29	47	55	52	33	29	34	37	46	31	79	90
Sweden	1,067	231	24	185	124	52	22	61	166	43	27	28	54	70
Switzerland	3,386	1	65	9	7	22	6	10	13	12	12	75	40	28
All others of foreign parentage <sup>2</sup>	7,538	1,263	363	689	1,037	304	168	375	405	573	341	453	859	633
<b>SEX</b>														
Total, Male	102,790	11,846	7,412	6,795	13,324	8,290	4,943	5,202	7,913	6,757	5,714	5,448	12,954	6,590
Female	93,911	11,737	5,315	5,248	11,568	8,917	5,264	5,247	7,299	6,022	5,945	5,698	10,299	4,760
White, Male	96,126	10,993	6,795	6,574	11,840	8,107	4,871	4,896	6,780	6,544	5,295	5,313	11,849	6,266
Female	91,587	11,499	5,086	5,226	11,175	9,447	5,246	5,155	6,726	5,894	5,871	5,631	10,035	4,626
Negro, Male	1,021	95	123	6	114	47	11	59	190	81	36	33	101	125
Female	1,131	116	139	13	136	53	16	71	231	96	41	25	95	99
<b>MALES OF VOTING AGE</b>														
Total number	70,229	7,781	5,354	4,540	8,777	5,593	3,104	3,428	5,157	4,406	3,871	3,660	9,685	4,986
Native white—Native parentage	39,529	2,371	3,107	1,363	4,024	3,648	2,137	2,013	2,747	2,398	1,977	1,765	3,946	1,966
Native white—Foreign or mixed parentage	20,721	2,071	724	901	1,013	833	478	494	607	770	628	723	2,449	1,468
Foreign-born white	18,529	2,442	1,036	2,228	2,487	901	438	449	1,065	1,068	877	1,064	2,679	1,102
Negro	694	50	93	6	74	32	8	47	107	54	29	21	71	102
<b>CITIZENSHIP OF FOREIGN-BORN WHITE.</b>														
Naturalized	8,923	1,730	308	1,076	1,006	470	219	372	454	377	417	546	1,074	884
Having first papers	1,200	241	38	182	166	100	16	29	73	49	49	39	127	91
Alien	5,409	774	302	814	998	164	76	189	420	422	239	320	552	139
Unknown	2,997	107	388	156	317	167	127	59	118	220	172	159	926	81
<b>ILLITERACY</b>														
Total number 10 years old and over	166,662	19,952	10,852	10,005	20,293	15,483	8,524	8,806	12,926	10,535	9,858	9,398	20,486	9,744
Number illiterate	124,362	15,655	8,274	6,426	13,504	10,362	7,592	7,165	9,303	8,110	7,648	7,317	14,807	7,303
Native white 10 years old and over	73,176	13,133	15	7	37	13	56	28	86	36	28	34	150	12
Number illiterate	14,552	5,480	1,674	3,539	5,076	1,862	884	925	2,078	1,720	1,741	1,926	4,418	2,017
Foreign-born white 10 years old and over	7,410	1,386	337	799	1,051	402	289	355	505	409	367	466	823	571
Number illiterate	6,848	1,296	280	711	882	375	214	321	446	360	333	408	687	535
Foreign-born white, and over	1,430	130	37	73	511	72	45	50	106	168	70	39	71	20
Number illiterate	1,202	130	37	73	423	68	34	44	72	137	60	39	71	20
Negro	314	41	26	.....	45	13	4	13	84	27	7	7	23	24
Number attending school	279	36	24	.....	40	12	3	12	79	23	6	7	17	20
<b>DWELLINGS AND FAMILIES</b>														
Dwellings, number	45,063	5,451	2,557	2,590	5,188	4,740	2,567	2,565	3,264	3,144	2,874	3,097	4,566	2,440
Families, number	48,621	5,879	2,861	2,729	5,757	5,250	2,677	2,671	3,640	3,303	2,986	3,177	5,105	2,616

<sup>1</sup> For changes in boundaries, etc., see page 617.<sup>2</sup> Native whites having both parents born in countries other than specified, and also those having both parents of foreign birth but born in different countries.



TABLE IV.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION FOR PLACES OF 2,500 TO 10,000.

SUBJECT.	TOTAL, PLACES NAMED.	Alham- bra. <sup>1</sup>	Ana- heim.	Chico.	Coal- inga. <sup>1</sup>	Colton.	Corona.	Emery- ville.	Glen- dale. <sup>1</sup>	Grass Valley.	Han- ford.	Hay- ward.
<b>SEX, COLOR, AND NATIVITY</b>												
Total population, 1910.....	202,805	5,021	2,628	3,750	4,199	3,980	3,540	2,613	2,716	4,520	4,829	2,746
1900.....	98,569		1,436	2,640		1,255	1,434	1,016		4,719	2,929	1,965
Male.....	107,261	2,559	1,413	2,012	2,577	2,124	1,914	1,643	1,349	2,306	2,541	1,370
Female.....	95,544	2,462	1,215	1,738	1,622	1,856	1,626	970	1,406	2,214	2,288	1,376
Native white—Native parentage.....	112,009	3,021	1,199	2,503	3,130	1,845	2,359	917	1,894	1,479	3,001	765
Native white—Foreign or mixed parentage.....	49,485	966	796	681	613	794	561	965	539	1,979	701	1,189
Foreign-born white.....	34,340	983	594	331	397	1,312	604	636	282	989	705	757
Negro.....	1,685	18		53	2	11	15	84		2	128	2
Indian, Chinese, Japanese, and all other.....	5,260	33	39	182	57	18	1	11	40	71	234	33
<b>MALES OF VOTING AGE</b>												
Total number.....	72,530	1,748	824	1,499	1,955	1,278	1,232	1,141	882	1,471	1,676	859
Native white—Native parentage.....	35,062	901	308	860	1,398	545	739	386	563	776	906	191
Native white—Foreign or mixed parentage.....	13,980	224	203	273	244	143	137	323	158	604	174	261
Foreign-born white.....	18,857	585	273	206	262	575	348	274	139	389	377	377
Naturalized.....	9,352	174	162	117	86	85	79	224	62	400	136	206
Negro.....	579	6		20	1	4	6	50		2	39	2
<b>ILLITERACY</b>												
Total number 10 years old and over.....	170,274	4,267	2,136	3,325	3,528	3,129	2,534	2,218	2,328	3,878	3,971	2,299
Number illiterate.....	6,567	393	30	108	44	88	376	40	20	66	256	168
Native white 10 years old and over.....	130,477	3,255	1,630	2,775	3,085	1,941	2,246	1,499	2,017	2,642	2,987	1,518
Number illiterate.....	707	19	5			32	42	3	12	8	49	12
Foreign-born white 10 years old and over.....	33,414	904	567	325	381	1,162	575	626	374	968	664	746
Number illiterate.....	4,813	362	25	26	41	857	250	23	7	38	172	156
Negro 10 years old and over.....	1,426	95		51	1	11	12	82		2	101	2
Number illiterate.....	120			6			4	13			11	
Illiterate males of voting age.....	3,761	331	13	75	43	475	240	20	11	28	130	83
<b>SCHOOL AGE AND ATTENDANCE</b>												
Total number 6 to 20 years, inclusive.....	49,293	1,180	792	794	777	1,106	821	662	630	1,248	1,235	754
Number attending school.....	33,678	864	565	535	386	711	610	370	476	994	796	516
PERSONS 6 TO 14 YEARS, INCLUSIVE.												
Native white, number.....	26,637	652	473	381	432	510	505	334	371	786	690	415
Number attending school.....	23,647	599	435	337	317	459	444	292	330	742	518	399
Foreign-born white, number.....	1,283	31	40	9	17	119	33	13	9	32	51	26
Number attending school.....	1,039	26	38	3	12	175	21	9	8	32	41	26
Negro, number.....	252	2				252	2					
Number attending school.....	224	2		4	1	2	2	6			27	
<b>DWELLINGS AND FAMILIES</b>												
Dwellings, number.....	48,664	1,209	620	906	915	867	804	524	725	1,052	1,145	691
Families, number.....	51,335	1,242	639	984	955	1,011	818	722	735	1,105	1,175	717
<b>SEX, COLOR, AND NATIVITY</b>												
Total population, 1910.....	2,697	5,430	3,102	2,651	4,034	3,576	4,923	5,791	2,689	3,119	4,274	2,920
1900.....		3,497	1,969		2,024	1,205	1,748	4,036		3,250	722	1,216
Male.....	1,389	3,541	1,879	1,271	2,201	1,674	3,064	2,905	1,420	1,454	2,231	1,391
Female.....	1,308	1,889	1,223	1,380	1,833	1,902	1,859	2,886	1,269	1,665	2,043	1,529
Native white—Native parentage.....	1,496	2,538	1,460	1,025	2,544	2,336	2,753	2,697	1,052	1,861	2,846	2,031
Native white—Foreign or mixed parentage.....	716	1,253	716	861	868	688	1,145	1,841	1,046	663	745	582
Foreign-born white.....	387	764	715	581	449	417	671	1,112	518	536	581	291
Negro.....	14	188	30		78	121	44	20	2	33	8	
Indian, Chinese, Japanese, and all other.....	84	687	181	84	95	14	310	101	71	26	94	16
<b>MALES OF VOTING AGE</b>												
Total number.....	907	2,886	1,366	886	1,537	1,104	2,318	1,980	930	1,009	1,418	835
Native white—Native parentage.....	436	1,150	530	284	828	671	1,202	776	279	554	862	584
Native white—Foreign or mixed parentage.....	178	568	226	240	349	190	433	516	305	163	181	151
Foreign-born white.....	229	551	449	308	260	265	436	597	287	249	283	145
Naturalized.....	111	228	167	151	125	119	182	347	197	146	155	91
Negro.....	1	68	12		25	25	15	9	1	11	4	
<b>ILLITERACY</b>												
Total number 10 years old and over.....	2,249	4,907	2,649	2,157	3,403	3,029	4,241	4,910	2,261	2,697	3,558	2,445
Number illiterate.....	41	376	319	27	51	66	104	78	14	4	24	24
Native white 10 years old and over.....	1,779	3,343	1,748	1,511	2,812	2,504	3,254	3,679	1,679	2,118	2,891	2,127
Number illiterate.....	4	7	12		5	15	40	20	2	3	14	9
Foreign-born white 10 years old and over.....	382	763	697	567	441	405	665	1,099	512	522	565	288
Number illiterate.....	29	72	271	19	24	35	30	53	12	1	9	17
Negro 10 years old and over.....	161	7	26		63	97	19		2	31	8	
Number illiterate.....	3	3	5		3	14	3	4			1	
Illiterate males of voting age.....	28	324	217	15	34	31	58	26	7	2	11	9
<b>SCHOOL AGE AND ATTENDANCE</b>												
Total number 6 to 20 years, inclusive.....	728	909	663	568	929	847	960	1,359	695	665	1,131	768
Number attending school.....	504	462	418	397	559	617	540	910	518	467	829	551
PERSONS 6 TO 14 YEARS, INCLUSIVE.												
Native white, number.....	408	355	305	294	476	438	495	739	413	383	615	451
Number attending school.....	370	281	269	270	432	381	398	677	377	349	571	398
Foreign-born white, number.....	7	2			12	14	5		11	19	24	8
Number attending school.....	3		25	26	8	12	5	18	11	15	20	8
Negro, number.....	6	18	4		12	31	7	1		1	1	
Number attending school.....	6	16	3		8	30	5	1		1	1	
<b>DWELLINGS AND FAMILIES</b>												
Dwellings, number.....	682	902	658	672	906	978	1,085	1,410	661	848	1,136	773
Families, number.....	710	963	676	680	1,017	994	1,125	1,535	707	928	1,173	846

<sup>1</sup> For changes in boundaries, etc., see page 617.

TABLE IV.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION FOR PLACES OF 2,500 TO 10,000—Continued.

SUBJECT.	Oroville. <sup>1</sup>	Oxnard. <sup>1</sup>	Palo Alto.	Petaluma.	Porterville. <sup>1</sup>	Red Bluff.	Redding.	Redondo Beach.	Richmond. <sup>1</sup>	Roseville. <sup>1</sup>	Salinas.	San Leandro. <sup>1</sup>	San Luis Obispo.
<b>SEX, COLOR, AND NATIVITY</b>													
Total population, 1910.....	3,859	2,555	4,486	5,880	2,696	3,530	3,572	2,035	6,802	2,608	3,738	3,471	5,157
1900.....			1,658	3,871		2,750	2,946	855			3,304	2,253	3,021
Male.....	2,328	1,571	2,198	2,886	1,463	1,790	2,005	1,552	4,045	1,599	1,993	1,793	2,788
Female.....	1,531	984	2,288	2,994	1,233	1,740	1,567	1,383	2,757	1,009	1,745	1,678	2,369
Native white—Native parentage.....	2,105	907	2,543	2,632	2,078	2,314	2,103	1,870	3,238	1,601	1,827	1,844	2,940
Native white—Foreign or mixed par.....	884	669	1,033	1,027	317	806	571	571	1,771	589	1,111	1,197	1,372
Foreign-born white.....	532	618	726	1,186	258	373	530	463	1,640	362	623	808	707
Negro.....	33	28	25	2	21	39	114	14	29	9	21	184	424
Ind., Chi., Jap., and all other.....	305	383	139	33	20	112	19	17	14	54	154	23	121
<b>MALES OF VOTING AGE</b>													
Total number.....	1,762	1,141	1,462	1,834	966	1,161	1,292	1,087	2,894	1,115	1,335	1,080	1,867
Native white—Native parentage.....	784	316	734	673	668	708	724	668	1,190	598	521	197	881
Native white—Foreign or mixed par.....	300	158	233	192	117	192	174	133	508	203	335	309	459
Foreign-born white.....	366	334	354	600	157	182	346	262	1,072	259	358	559	740
Naturalized.....	148	108	198	377	57	113	211	116	427	99	235	279	293
Negro.....	12	12	10	1	5	7	43	9	13	5	8	.....	10
<b>ILLITERACY</b>													
Total number 10 years old and over.....	3,388	2,152	3,824	4,888	2,180	2,941	3,041	2,425	5,588	2,135	3,134	2,768	4,301
Number illiterate.....	92	243	18	83	42	83	59	135	82	13	82	115	78
Native white 10 years old and over.....	2,557	1,164	2,964	3,682	1,900	2,439	2,405	1,953	3,836	1,720	2,355	4,678	3,470
Number illiterate.....	18	4	9	5	5	6	5	16	7	1	35	26	47
Foreign-born white 10 years old and over.....	518	563	710	1,171	246	370	523	441	1,607	353	615	1,069	701
Number illiterate.....	46	177	10	66	28	34	66	116	72	11	38	298	201
Negro 10 years old and over.....	24	31	23	2	14	28	97	14	24	8	20	.....	16
Number illiterate.....	2	3	2	.....	4	.....	7	2	1	1	1	.....	2
Illiterate males of voting age.....	72	133	7	35	27	48	27	75	45	7	21	217	27
<b>SCHOOL AGE AND ATTENDANCE</b>													
Total number 6 to 20 years, inclusive.....	819	569	1,025	1,507	676	871	858	633	1,466	570	983	895	1,327
Number attending school.....	603	379	822	942	437	713	587	412	924	358	704	729	834
PERSONS 6 TO 14 YEARS, INCLUSIVE.													
Native white, number.....	398	277	532	848	370	578	439	342	815	317	557	558	757
Number attending school.....	344	263	492	702	295	530	384	294	687	293	497	540	672
Foreign-born white, number.....	5	46	23	28	12	6	18	24	53	11	11	57	5
Number attending school.....	4	36	22	23	8	4	16	15	47	11	9	51	4
Negro, number.....	9	6	2	.....	4	13	19	.....	2	2	4	.....	.....
Number attending school.....	9	4	2	.....	4	12	19	.....	1	2	4	.....	.....
<b>DWELLINGS AND FAMILIES</b>													
Dwellings, number.....	860	606	1,101	1,510	660	821	767	819	1,504	569	935	851	1,190
Families, number.....	905	606	1,160	1,566	684	895	828	864	1,577	602	952	887	1,236
<b>SUBJECT.</b>													
	San Mateo.	San Rafael.	Santa Ana.	Santa Clara.	Santa Monica.	Santa Rosa.	South Pasadena.	Tulare.	Ventura.	Vissalia.	Watsonville.	Whittier.	Woodland.
<b>SEX, COLOR, AND NATIVITY</b>													
Total population, 1910.....	4,384	5,934	8,420	4,348	7,847	7,817	4,049	2,758	2,945	4,650	4,446	4,550	3,187
1900.....	1,832	3,879	4,933	3,650	3,057	6,673	1,001	2,216	2,470	3,085	3,528	1,590	2,886
Male.....	2,317	3,181	3,981	2,238	3,775	3,802	2,009	1,502	1,554	2,384	2,282	2,195	1,616
Female.....	2,067	2,753	4,445	2,110	4,072	4,015	2,040	1,256	1,391	2,166	2,164	2,355	1,570
Native white—Native parentage.....	1,785	1,912	6,079	1,532	4,662	4,397	3,105	1,978	1,995	3,076	2,147	3,632	1,955
Native white—Foreign or mixed par.....	1,450	2,060	1,413	1,628	1,659	1,970	857	397	533	800	1,208	559	679
Foreign-born white.....	1,031	1,747	884	1,135	1,248	1,318	558	260	345	491	900	331	374
Negro.....	27	24	38	4	191	12	19	5	21	39	7	.....	93
Ind., Chi., Jap., and all other.....	91	191	15	49	87	120	110	118	51	144	181	28	86
<b>MALES OF VOTING AGE</b>													
Total number.....	1,517	2,148	2,581	1,375	2,462	2,504	1,462	984	1,023	1,554	1,495	1,411	1,126
Native white.....	526	536	1,773	396	1,375	1,273	888	618	583	947	586	1,039	600
Native white—Foreign or mixed par.....	374	541	382	338	472	422	226	136	168	218	285	165	206
Foreign-born white.....	538	932	408	597	576	667	264	146	222	273	516	165	219
Naturalized.....	338	466	246	287	263	376	149	32	110	129	277	83	152
Negro.....	7	8	9	2	49	5	3	4	7	14	5	.....	30
<b>ILLITERACY</b>													
Total number 10 years old and over.....	3,587	5,037	7,192	3,577	6,582	6,617	3,985	2,289	2,486	3,773	3,673	3,807	2,765
Number illiterate.....	8	416	92	243	122	86	20	176	69	84	25	20	26
Native white 10 years old and over.....	2,461	3,110	6,304	2,435	5,138	5,207	3,285	1,920	2,057	3,140	2,635	3,458	2,232
Number illiterate.....	16	23	46	21	25	11	6	35	16	24	16	.....	8
Foreign-born white 10 years old and over.....	1,014	1,720	848	1,089	1,204	1,285	545	250	334	468	885	323	372
Number illiterate.....	8	335	63	223	59	48	15	95	33	51	187	14	12
Negro 10 years old and over.....	24	22	27	4	153	11	18	5	16	32	7	.....	6
Number illiterate.....	.....	1	4	1	12	1	1	.....	2	.....	.....	.....	.....
Illiterate males of voting age.....	5	239	28	116	44	24	12	119	34	29	130	11	15
<b>SCHOOL AGE AND ATTENDANCE</b>													
Total number 6 to 20 years, inclusive.....	1,068	1,403	2,159	1,258	1,903	1,925	1,047	748	760	1,199	1,152	1,176	768
Number attending school.....	695	993	1,607	1,318	1,318	1,230	805	468	512	821	792	906	658
PERSONS 6 TO 14 YEARS, INCLUSIVE.													
Native white, number.....	584	699	1,168	645	1,078	1,022	606	416	427	631	640	684	418
Number attending school.....	515	636	1,087	587	940	887	561	348	357	557	572	617	388
Foreign-born white, number.....	29	40	48	51	57	43	19	10	15	21	16	13	3
Number attending school.....	27	36	39	51	44	42	14	3	7	17	13	11	3
Negro, number.....	1	2	6	.....	34	1	.....	.....	3	2	.....	.....	16
Number attending school.....	1	1	3	.....	29	1	.....	.....	3	1	.....	.....	13
<b>DWELLINGS AND FAMILIES</b>													
Dwellings, number.....	987	1,316	2,151	985	2,177	1,984	1,171	677	735	1,013	1,131	1,159	816
Families, number.....	1,010	1,398	2,321	1,025	2,319	2,070	1,199	684	773	1,086	1,197	1,262	832

<sup>1</sup> For changes in boundaries, etc., see page 617.

## STATISTICS OF POPULATION.

615

TABLE V.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION FOR WARDS (OR ASSEMBLY DISTRICTS) OF CITIES OF 50,000 OR MORE.

LOS ANGELES.									
SUBJECT.	THE CITY.	ASSEMBLY DISTRICT.							
		67	69	70	71	72	73	74	75
SEX, COLOR, AND NATIVITY									
Total population, 1910.....	319,198	1,060	25,968	74,851	37,800	38,822	38,023	55,460	47,214
Male.....	162,069	579	13,032	36,608	19,023	18,096	21,921	28,762	24,648
Female.....	156,529	481	12,936	38,243	18,777	20,726	16,102	26,698	22,566
Native white—Native parentage.....	160,967	495	12,344	43,119	18,422	20,985	21,188	28,518	24,896
Native white—Foreign or mixed parentage.....	74,796	256	6,640	17,965	8,831	10,054	7,754	12,583	10,673
Foreign-born white.....	60,584	198	6,427	11,994	7,116	6,647	6,799	11,035	10,368
Negro.....	7,599	22	451	1,409	2,696	656	1,210	579	576
Indian, Chinese, Japanese, and all other.....	6,292	89	106	364	735	480	1,072	2,745	701
FOREIGN-BORN WHITE: Born in—									
Austria.....	2,510	3	208	360	153	174	309	370	933
Canada.....	8,249	19	548	1,983	958	1,097	950	1,338	1,356
Denmark.....	1,096	3	78	114	111	161	121	142	142
England.....	7,575	47	569	1,658	782	820	956	1,445	1,298
France.....	1,914	7	274	290	223	247	296	425	242
Germany.....	9,683	27	666	2,228	1,231	1,557	1,298	1,292	1,384
Hungary.....	819	5	87	131	55	60	96	96	96
Ireland.....	3,877	5	367	828	450	484	503	695	545
Italy.....	3,802	9	198	631	695	148	130	1,222	769
Mexico.....	5,611	47	1,067	405	873	280	255	1,712	972
Norway.....	1,003	5	104	351	86	110	106	121	130
Russia.....	4,758	1	1,504	368	441	286	426	685	1,047
Scotland.....	1,589	6	113	356	180	194	189	304	247
Sweden.....	3,414	9	210	1,044	396	564	423	362	406
Switzerland.....	828	5	73	211	91	94	102	140	112
Other foreign countries.....	3,856	5	361	784	388	421	481	717	699
MALES OF VOTING AGE									
Total number.....	114,889	381	8,231	24,107	12,882	12,721	18,054	19,338	19,185
Native white—Native parentage.....	57,829	156	3,674	13,039	5,911	6,508	9,955	8,823	9,703
Native white—Foreign or mixed parentage.....	20,228	61	1,504	4,620	2,158	2,436	2,926	3,000	3,223
Foreign-born white.....	29,576	108	2,856	5,763	3,372	3,633	5,262	5,502	5,659
Naturalized.....	14,097	48	1,216	3,223	1,664	1,714	1,927	2,188	2,087
Negro.....	2,571	6	123	439	907	189	538	184	185
ILLITERACY AND SCHOOL ATTENDANCE									
Total number 10 years old and over.....	275,863	863	21,060	62,586	32,299	34,456	35,312	46,292	42,995
Number illiterate.....	5,258	20	899	747	1,145	119	265	1,112	951
Illiterate males of voting age.....	2,270	11	358	326	493	32	131	382	537
Total number 6 to 20 years, inclusive.....	69,036	255	6,855	17,262	9,103	8,450	5,935	12,957	8,239
Number attending school.....	44,995	152	4,536	11,877	6,044	5,634	3,246	8,729	4,777
DWELLINGS AND FAMILIES									
Dwellings, number.....	69,061	292	5,915	19,829	8,612	8,829	5,398	13,320	6,866
Families, number.....	78,678	295	6,364	20,540	9,384	10,120	7,794	14,271	9,910

## OAKLAND.

SUBJECT.	THE CITY.	WARD.						
		1	2	3	4	5	6	7
SEX, COLOR, AND NATIVITY								
Total population, 1910.....	150,174	26,977	17,559	13,572	13,262	14,531	15,698	48,677
Male.....	78,222	13,381	8,710	6,891	6,853	7,789	9,801	24,495
Female.....	71,952	13,396	8,849	6,681	6,309	6,742	5,795	24,180
Native white—Native parentage.....	55,198	11,227	6,529	5,334	4,837	6,731	2,488	18,052
Native white—Foreign or mixed parentage.....	49,496	9,002	6,217	4,633	3,877	6,484	4,485	17,208
Foreign-born white.....	36,822	6,315	3,966	3,162	3,149	2,587	5,269	12,374
Negro.....	3,055	195	556	287	635	85	870	427
Indian, Chinese, Japanese, and all other.....	5,163	238	291	156	177	1,201	2,484	556
FOREIGN-BORN WHITE: Born in—								
Austria.....	1,267	83	69	96	261	91	428	239
Canada.....	3,126	549	318	324	286	361	441	1,147
Denmark.....	1,461	246	180	72	69	115	173	1,030
England.....	3,707	727	433	325	301	335	240	1,346
France.....	1,204	232	209	70	69	83	205	356
Germany.....	5,476	854	593	456	512	440	439	2,188
Greece.....	470	19	32	33	31	51	267	37
Ireland.....	4,160	604	573	461	560	362	562	1,038
Italy.....	3,800	1,444	214	350	113	52	1,051	576
Norway.....	188	188	116	88	53	86	62	403
Portugal.....	3,367	114	401	109	195	79	792	1,724
Russia.....	799	54	106	105	83	46	265	140
Scotland.....	1,322	212	141	120	98	114	165	532
Sweden.....	2,337	431	227	240	258	201	160	830
Switzerland.....	618	93	69	45	35	38	46	292
Other foreign countries.....	2,712	465	285	274	225	180	423	840
MALES OF VOTING AGE								
Total number.....	53,967	9,096	5,936	5,000	5,192	6,113	7,367	15,254
Native white—Native parentage.....	17,046	3,250	1,834	1,699	1,699	2,450	955	4,985
Native white—Foreign or mixed parentage.....	12,783	2,371	1,606	1,360	1,342	1,367	1,066	3,671
Foreign-born white.....	19,334	3,246	2,008	1,662	1,748	1,359	3,217	6,094
Naturalized.....	10,237	1,828	1,284	973	966	782	1,035	3,369
Negro.....	1,238	70	204	107	291	42	382	142
ILLITERACY AND SCHOOL ATTENDANCE								
Total number 10 years old and over.....	126,914	22,305	15,101	11,946	11,691	13,225	13,286	39,360
Number illiterate.....	3,863	239	310	178	153	102	1,447	1,434
Illiterate males of voting age.....	1,877	104	150	81	73	57	759	653
Total number 6 to 20 years, inclusive.....	34,153	6,013	3,918	2,943	2,592	2,610	3,253	12,824
Number attending school.....	22,253	4,065	2,492	1,902	1,655	1,676	1,832	8,631
DWELLINGS AND FAMILIES								
Dwellings, number.....	31,740	6,338	3,725	2,566	2,473	2,388	2,848	11,402
Families, number.....	36,723	6,864	4,509	3,659	3,691	3,206	3,284	12,170

TABLE V.—COMPOSITION AND CHARACTERISTICS OF THE POPULATION FOR WARDS (OR ASSEMBLY DISTRICTS) OF CITIES OF 50,000 OR MORE—Continued.

## SAN FRANCISCO.

SUBJECT.	THE CITY.	ASSEMBLY DISTRICT.									
		28	29	30	31	32	33	34	35		
SEX, COLOR, AND NATIVITY											
Total population, 1910.....	416,912	11,373	5,527	7,558	18,787	31,879	44,688	36,970	22,388		
Male.....	236,901	10,093	4,284	5,002	13,047	17,023	23,912	18,882	11,690		
Female.....	180,011	1,280	1,253	2,556	5,740	14,856	20,776	18,088	10,698		
Native white—Native parentage.....	115,359	3,541	1,720	1,908	4,025	6,460	10,002	9,736	6,865		
Native white—Foreign or mixed parentage.....	153,781	1,992	1,493	2,548	6,015	14,147	19,255	16,277	9,343		
Foreign-born white.....	130,874	5,748	2,219	2,954	8,285	11,100	15,279	10,808	5,962		
Negro.....	1,642	25	27	43	141	55	95	72	24		
Indian, Chinese, Japanese, and all other.....	15,256	67	78	105	321	117	57	77	164		
FOREIGN-BORN WHITE: Born in—											
Austria.....	4,641	220	90	136	420	260	494	293	160		
Canada.....	6,161	180	73	104	203	286	545	651	420		
Denmark.....	3,118	264	47	64	296	294	293	331	178		
England.....	9,815	392	142	178	498	565	986	924	563		
Finland.....	1,846	404	30	55	201	250	247	119	14		
France.....	6,244	135	82	119	136	742	464	256	188		
Germany.....	24,137	814	382	477	1,082	2,026	2,539	2,288	1,309		
Greece.....	2,274	254	339	343	362	196	73	18	92		
Ireland.....	23,151	831	490	764	1,621	2,413	3,030	2,688	1,414		
Italy.....	16,918	166	37	123	917	1,349	2,493	503	306		
Norway.....	3,769	641	37	43	486	288	468	408	177		
Russia.....	4,640	196	72	118	178	533	640	209	143		
Scotland.....	3,668	157	38	62	355	424	415	375	216		
Sweden.....	6,969	676	121	78	573	602	972	1,024	268		
Switzerland.....	2,587	58	28	37	69	223	505	191	144		
Other foreign countries.....	10,936	351	212	283	848	619	1,115	550	400		
MALES OF VOTING AGE											
Total number.....	175,951	9,489	3,872	4,048	10,452	10,958	14,381	12,478	8,406		
Native white—Native parentage.....	41,619	2,974	1,064	967	2,007	4,372	2,302	2,327	1,946		
Native white—Foreign or mixed parentage.....	46,740	1,275	807	984	1,943	3,481	4,008	4,408	3,102		
Foreign-born white.....	75,768	5,173	1,987	2,087	6,063	6,003	7,917	5,666	3,235		
Naturalized.....	36,375	1,866	788	827	2,366	3,067	4,024	3,474	1,915		
Negro.....	831	21	13	20	108	15	31	26	7		
ILLITERACY AND SCHOOL ATTENDANCE											
Total number 10 years old and over.....	362,826	11,056	5,102	6,748	16,698	25,654	34,736	31,115	19,839		
Number illiterate.....	7,697	145	106	148	268	654	978	309	189		
Illiterate males of voting age.....	3,521	98	74	93	145	281	424	126	75		
Total number 6 to 20 years, inclusive.....	85,368	724	718	1,242	3,424	8,827	12,491	9,259	4,798		
Number attending school.....	50,128	246	333	657	1,848	5,716	7,805	5,709	2,874		
DWELLINGS AND FAMILIES											
Dwellings, number.....	65,925	600	474	935	2,679	5,740	9,525	6,719	3,772		
Families, number.....	86,414	751	694	1,448	3,194	6,900	10,299	8,529	5,240		

SUBJECT.	ASSEMBLY DISTRICT.									
	36	37	38	39	40	41	42	43	44	45
<b>SEX, COLOR, AND NATIVITY</b>										
Total population, 1910.....	12,844	35,250	27,925	51,564	23,075	25,372	8,810	9,379	21,307	22,206
Male.....	7,433	17,482	15,187	27,147	11,714	12,494	4,790	5,147	16,872	14,702
Female.....	5,411	17,768	12,738	24,417	11,361	12,878	4,020	4,232	4,435	7,504
Native white—Native parentage.....	3,788	11,349	8,467	18,451	6,464	7,193	3,512	4,277	3,843	3,758
Native white—Foreign or mixed parentage.....	5,052	14,619	10,148	19,351	7,937	9,735	3,010	2,889	2,653	7,297
Foreign-born white.....	3,930	8,766	8,462	13,050	6,491	7,457	2,022	2,009	5,379	10,923
Negro.....	16	35	52	144	108	246	24	68	282	125
Indian, Chinese, Japanese, and all other.....	58	151	796	568	2,015	721	242	136	9,150	103
<b>FOREIGN-BORN WHITE: Born in—</b>										
Austria.....	199	283	480	351	274	159	81	145	254	279
Canada.....	1,215	705	537	919	546	290	290	106	161	84
Denmark.....	149	184	151	313	116	129	39	29	121	120
England.....	352	910	777	1,431	625	514	253	218	323	164
Finland.....	21	59	34	83	66	77	8	18	58	143
France.....	202	377	603	628	528	489	203	220	224	79
Germany.....	800	2,282	2,150	2,984	1,740	1,366	403	340	687	468
Greece.....	63	35	120	86	81	18	29	13	94	58
Ireland.....	821	1,709	1,692	2,882	1,012	1,212	273	188	380	312
Italy.....	244	280	278	543	290	1,388	80	104	593	6,712
Norway.....	82	153	102	215	67	103	22	21	187	269
Russia.....	158	388	937	389	360	65	57	39	103	73
Scotland.....	120	291	238	408	127	144	77	45	96	40
Sweden.....	222	280	248	629	256	279	39	64	39	269
Switzerland.....	127	130	128	241	84	160	33	39	194	196
Other foreign countries.....	266	736	853	982	551	534	160	265	959	1,212
<b>MALES OF VOTING AGE</b>										
Total number.....	5,873	12,918	11,885	19,692	9,249	8,551	4,136	4,394	14,938	10,313
Native white—Native parentage.....	3,373	9,272	6,279	12,090	2,090	2,090	1,523	2,049	1,571	1,869
Native white—Foreign or mixed parentage.....	1,871	4,721	3,490	6,065	2,506	2,463	1,269	1,156	1,460	1,521
Foreign-born white.....	2,459	4,417	4,612	6,776	3,156	3,340	1,151	1,053	4,246	6,760
Naturalized.....	1,288	2,672	2,206	4,402	1,725	1,699	589	475	1,276	1,656
Negro.....	9	8	31	68	84	88	9	28	188	77
<b>ILLITERACY AND SCHOOL ATTENDANCE</b>										
Total number 10 years old and over.....	11,492	31,714	25,650	44,304	21,127	22,067	8,337	8,795	20,251	18,531
Number illiterate.....	79	298	434	478	381	476	32	91	748	1,933
Illiterate males of voting age.....	32	89	209	162	222	213	20	38	320	500
Total number 6 to 20 years, inclusive.....	2,260	7,081	1,801	10,359	4,023	5,539	1,055	1,144	2,388	5,294
Number attending school.....	1,187	4,374	2,532	6,624	2,344	5,372	486	608	1,016	2,807
<b>DWELLINGS AND FAMILIES</b>										
Dwellings, number.....	1,691	4,801	3,575	10,255	3,326	4,793	832	1,070	1,413	2,765
Families, number.....	2,495	8,066	5,736	11,865	4,594	5,640	1,757	2,058	3,160	5,768

## NOTES REGARDING CHANGES IN BOUNDARIES, ETC.

## COUNTIES.

COLUSA.—Part taken to form Glenn in 1891.  
 DEL NORTE.—Part annexed to Siskiyou between 1880 and 1890.  
 FRESNO.—Part taken to form Madera in 1893 and part annexed to Kings in 1909.  
 GLENN.—Organized from part of Colusa in 1891.  
 HUMBOLDT.—Part of Klamath annexed in 1874.  
 IMPERIAL.—Organized from part of San Diego in 1907. (See also Note 1.)  
 KINGS.—Organized from part of Tulare in 1893 and part of Fresno annexed in 1909.  
 LAKE.—Part annexed to Napa in 1872.  
 LOS ANGELES.—Part taken to form Orange in 1889.  
 MADERA.—Organized from part of Fresno in 1893.  
 MODOC.—Organized from part of Siskiyou in 1874.  
 MONTEREY.—Part taken to form San Benito in 1874.  
 NAPA.—Part of Lake annexed in 1872.  
 ORANGE.—Organized from part of Los Angeles in 1889.  
 RIVERSIDE.—Organized from parts of San Bernardino and San Diego in 1893.  
 SAN BENITO.—Organized from part of Monterey in 1874.  
 SAN BERNARDINO.—Part taken to form part of Riverside in 1893.  
 SAN DIEGO.—Part taken to form part of Riverside in 1893; part taken to form Imperial in 1907. (See also Note 1.)  
 SANTA BARBARA.—Part taken to form Ventura in 1871.  
 SISKIYOU.—Part taken to form Modoc in 1874; part of Klamath annexed in 1874 and part of Del Norte annexed between 1880 and 1890.  
 TULARE.—Part taken to form Kings in 1893.  
 VENTURA.—Organized from part of Santa Barbara in 1871.

## INCORPORATED PLACES.

ALHAMBRA.—Incorporated in 1903.  
 BAKERSFIELD.—Part of township 3 (Kern City) annexed in 1909.

BERKELEY.—Parts of Oakland township annexed in 1906 and 1908.

COALINGA.—Incorporated in 1906.

FRESNO.—Part of township 3 annexed in 1910.

GLENDALE.—Incorporated in 1906.

LODI.—Incorporated in 1906.

LOS ANGELES.—Parts of Ballona, Burbank, Cahuenga, and San Antonio townships annexed between 1890 and 1900; part of Ballona township annexed in 1906; part of Wilmington township (including San Pedro city) annexed in 1909, and parts of Burbank and Cahuenga townships annexed in 1910.

MILL VALLEY.—Incorporated in 1900.

OAKLAND.—Parts of Brooklyn and Oakland townships annexed in 1909.

OCEAN PARK.—Incorporated in 1904.

ONTARIO.—Part of Ontario township annexed in 1901.

OROVILLE.—Incorporated in 1906.

OXNARD.—Incorporated in 1903.

PASADENA.—Parts of Pasadena township annexed in 1904 and 1908.

PORTERVILLE.—Incorporated in 1902.

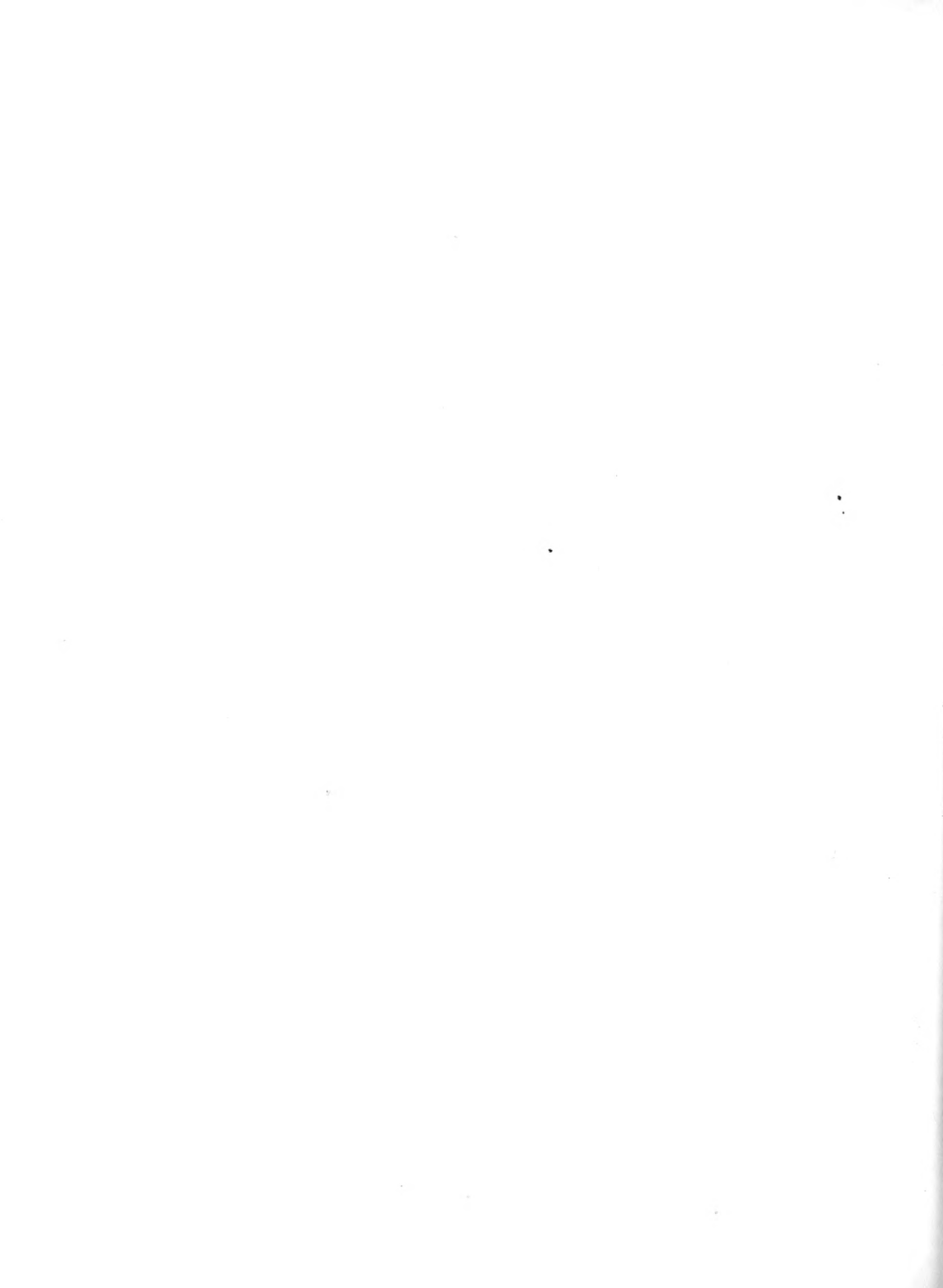
RICHMOND.—Incorporated in 1908.

ROSEVILLE.—Incorporated in 1909.

SAN LEANDRO.—Part of Brooklyn township annexed in 1909.

NOTE 1.—*Imperial and San Diego Counties combined.*—Total population: 1910, 75,256; 1900, 35,090; increase, 1900-1910, 40,166; per cent of increase, 114.5. Urban population—1910, 39,578; same places in 1900, 17,700; per cent of increase, 123.0. Rural population—1910, 35,678; same territory in 1900, 17,390; per cent of increase, 105.2. Urban population—1900, 17,700; rural population—1900, 17,390. Per cent in places of 2,500 or more in 1910, 52.6. Per cent in places of 2,500 or more in 1900, 50.4.

NOTE 2.—In computing this increase the population of Indian reservations in 1900 has been deducted from the total population of the county in order to make that total comparable with the total for 1890, which does not include the population of Indian reservations. The population thus deducted in the several counties was as follows: Humboldt, 1,112; Mendocino, 599; Riverside, 203; San Diego, 817; Tulare, 143.



## CHAPTER 3.

# STATISTICS OF AGRICULTURE FOR THE STATE AND ITS COUNTIES.

**Introduction.**—This chapter presents a complete statement of the statistics of agriculture for California collected at the census of 1910. Statistics of farms and farm property relate to April 15, 1910; those of farm products, expenses, and receipts are for the calendar year 1909.

**Definitions.**—To assist in securing comparability for its statistics of agriculture, the Bureau of the Census provided the enumerators with certain definitions and instructions, the more important of which were essentially as given below.

**Farm.**—A "farm" for census purposes is all the land which is directly farmed by one person managing and conducting agricultural operations, either by his own labor alone or with the assistance of members of his household or hired employees. The term "agricultural operations" is used as a general term referring to the work of growing crops, producing other agricultural products, and raising animals, fowls, and bees. A "farm" as thus defined may consist of a single tract of land, or of a number of separate and distinct tracts, and these several tracts may be held under different tenures, as where one tract is owned by the farmer and another tract is hired by him. Further, when a land owner has one or more tenants, renters, croppers, or managers, the land operated by each is considered a "farm."

In applying the foregoing definition of a "farm" for census purposes, enumerators were instructed to report as a "farm" any tract of 3 or more acres used for agricultural purposes, and also any tract containing less than 3 acres which produced at least \$250 worth of farm products in the year 1909.

**Farmer.**—A "farmer" or "farm operator," according to the census definition, is a person who directs the operations of a farm. Hence owners of farms who do not themselves direct the farm operations are not reported as "farmers." Farmers are divided by the Bureau of the Census into three general classes according to the character of their tenure, namely, owners, tenants, and managers.

**Farm owners** include (1) farmers operating their own land only and (2) those operating both their own land and some land hired from others. The latter are sometimes referred to in the census reports as "part owners," the term "owners" being then restricted to those owning all their land.

**Farm tenants** are farmers who, as tenants, renters, or croppers, operate hired land only. They were reported in 1910 in three classes: (1) *Share tenants*—those who pay a certain share of the products, as one-half, one-third, or one-quarter; (2) *share-cash tenants*—those who pay a share of the products for part of the land rented by them and cash for part; and (3) *cash tenants*—those who pay a cash rental or a stated amount of labor or products, such as \$7, 10 bushels of wheat, or 100 pounds of seed cotton per acre.

**Managers** are farmers who are conducting farm operations for the owner for wages or a salary.

**Farm land.**—Farm land is divided into (1) improved land, (2) woodland, and (3) all other unimproved land. The same classification was followed in 1880. At former censuses, except that of 1880, farm land was divided into improved land and unimproved

land, woodland being included with unimproved land. *Improved land* includes all land regularly tilled or mowed, land pastured and cropped in rotation, land lying fallow, land in gardens, orchards, vineyards, and nurseries, and land occupied by farm buildings. *Woodland* includes all land covered with natural or planted forest trees, which produce, or later may produce, firewood or other forest products. *All other unimproved land* includes brush land, rough or stony land, swamp land, and any other land which is not improved or in forest. The census classification of farm land as "improved land," "woodland," and "other unimproved land" is one not always easy for the farmers or enumerators to make, and the statistics therefore must be considered at best only a close approximation.

**Total value of farm products.**—No attempt has been made at this census to compute or even to estimate approximately the total value of farm products. Among the numerous difficulties which stand in the way of obtaining a total which would be at once comprehensive, free from duplication, and confined exclusively to the products of a definite period of time are the following:

(1) The duplication resulting from the feeding of farm crops to farm live stock, when the value both of the products derived from such live stock and of the crops are included in the same total. In 1900 an attempt was made to eliminate this duplication by means of an inquiry as to the total value of the products of each farm fed to the live stock on that farm, but aside from the fact that this would not eliminate the duplication where the products of one farm are fed to the live stock of another farm, it is believed that the farmers were unable to make even approximately accurate answers to the inquiry, and it was accordingly not included in the schedule for 1910.

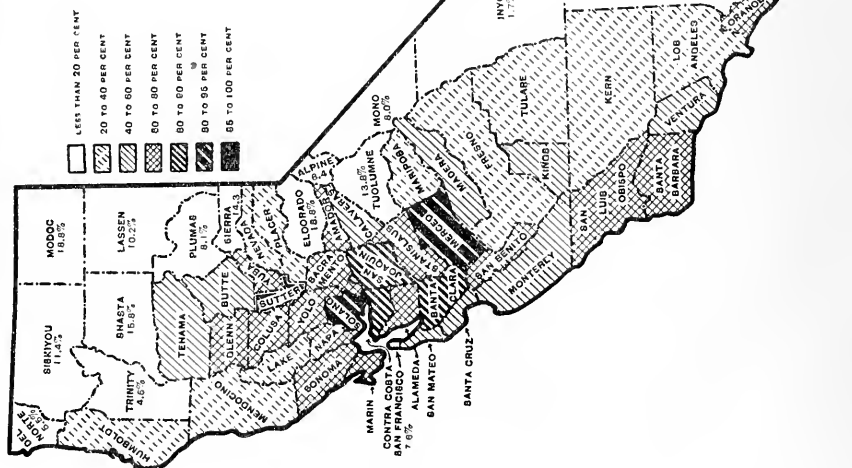
(2) The fact that farmers may buy domestic animals during the census year which are subsequently sold or slaughtered during the same year and that it is impossible to eliminate the duplication accurately; and the further fact that the value of domestic animals sold or slaughtered, or of forest products cut, during a given year (as well as some other minor items) does not usually represent a value created wholly during that year, and that it is quite impossible to ascertain the value created during the year.

(3) The fact that the returns for some products are incomplete. The returns for all products are to a considerable extent estimates made by the farmers. Special difficulty was encountered in cases where the person in possession of the farm in April, 1910, when the census was taken, was not in possession of it during the crop year 1909. In such cases the farmer was not always able to report completely and accurately the products of the land for the preceding year. It is probable that the returns for the principal crops are in general fairly accurate, but that those for minor crops and for dairy and poultry products are frequently understatements, particularly because the home consumption was disregarded or underestimated. In the belief that no accurate result could be obtained from such an inquiry, the Bureau of the Census did not even attempt to ascertain the total quantity and value of certain by-products, such as straw and cornstalks, which are of considerable importance, the schedule calling only for the value of such by-products sold.

### PER CENT OF LAND AREA IN FARMS.

[Per cent for the state, 28.]

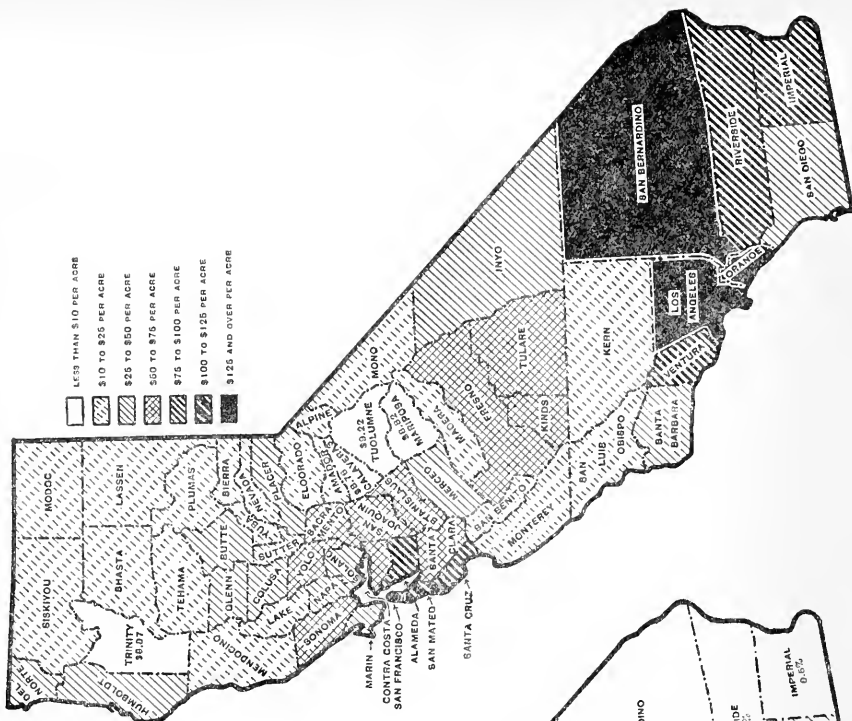
The per cent of land area in farms, when less than 20, is inserted under the county name.



AVERAGE VALUE OF FARM LAND PER ACRE.

[Average for the state, §17.16.]

When the value is less than \$10 per acre, it is inserted under the county name.





## FARMS AND FARM PROPERTY.

California ranks second in land area and twelfth in population among the states and territories of continental United States. The state is extremely diversified, both topographically and agriculturally. The elevation ranges from sea level along the western coast and in portions of the interior valleys to altitudes in excess of 14,000 feet in the Sierra Nevada Mountains. The rugged masses of the Coast Range Mountains practically parallel the entire coast of the state. From the vicinity of San Francisco southward to San Diego there are deep mountain valleys and low, sloping, or nearly level Coastal Plain areas. The soils of these areas range from heavy claylike "adobe" soils to sandy and gravelly loams.

The great central valley of California lies between the Coast Range and the Sierra Nevada Mountains. The northern portion of this valley constitutes the basin of the Sacramento River, while the southern portion constitutes the basin of the San Joaquin. The valley is everywhere practically uniform as regards its physical features. The soils immediately along the rivers are usually heavy clays and clay loams, constituting the overflow land and river flood plains. These are bordered along the foothills by loams, adobes, sandy loams, and sandy and gravelly soils, giving great variety in soil characteristics and in resultant crop adaptation. There is practically no agriculture within the Sierra Nevada Ranges aside from grazing. The portion of the state to the east of this region lies principally within the Great Basin, and mountain chains are interspersed with valleys whose floors are gravelly and sandy soils. These are practically undeveloped for agricultural purposes. In the portion of this region in the extreme northern part of the state the soil is largely composed of lavas and volcanic ash from numerous extinct volcanic craters. Within this region certain valleys are being reclaimed for agricultural uses. In the extreme southern portion of the state is a deep arid valley, some portions of which are below sea level. The soils are clays, sands, and sandy loams.

The normal annual rainfall of the state ranges from 2 or 3 inches in the southeast corner to 60 inches in the northwest corner. Except in the southeastern part of the state there is sufficient rainfall for raising grain crops without irrigation, but irrigation is practiced to some extent throughout the state.

The two maps on the opposite page show, for the different counties, the proportion of the total land area of the state which is in farms and the average value of farm land per acre. Over one-fourth (28 per cent) of the state's entire land area is in farms. The first

map shows that in 17 counties the proportion is less than 20 per cent. Eight of these counties form a contiguous group in the eastern and southeastern part of the state, 8 are in a group in the northern part, and 1, San Francisco County, is at the Golden Gate. In 11 counties scattered throughout the state the proportion is between 20 and 40 per cent; in 9, between 40 and 60 per cent; and in 15, between 60 and 80 per cent. In Merced and Solano Counties, in the west central part of the state, the proportion is between 90 and 95 per cent, while in Sutter, north of Sacramento and Yolo, it exceeds 95 per cent.

The average value of farm land per acre for the state as a whole is \$47.16, and, as shown by the second map, in only 4 counties—Trinity, Tuolumne, Calaveras, and Mariposa—is the average value less than \$10. Scattered over the state are 20 counties in which the average is between \$10 and \$25 per acre, and 14 in which it is between \$25 and \$50. The average is between \$50 and \$75 per acre in 10 counties which lie in the central and west central parts of the state; and between \$75 and \$100 in 5, 2 of which are located in the west central part and 3 in the southern part. In San Mateo County, in the west central part, the average value is between \$100 and \$125, and in San Francisco County, and in 3 counties—Los Angeles, San Bernardino, and Orange—in the southern part of the state the average is over \$125. These high values are due in part to the proximity of large cities, and in part to the large acreage in orchards. In explanation of the high average values in San Bernardino County it may be noted that only 1.6 per cent of the land area is occupied by farms and that the farm land which lies mainly in the southwestern corner of the county is devoted almost exclusively to orange culture.

**Progress during the decade 1900 to 1910.**—Between 1900 and 1910 there was an increase of 21.6 per cent in the number of farms, as compared with an increase of 60.1 per cent in the population. During the same time the acreage of farm land apparently decreased, the total farm acreage 897,507 acres, or 3.1 per cent, and the improved acreage 568,943 acres, or 4.8 per cent. The average size of farms decreased 20.3 per cent. The apparent falling off in farm acreage is due, at least in part, as explained in the discussion following the next table, to errors in the Twelfth Census tabulation.

During the last decade farm property, which includes land, buildings, implements and machinery, and live stock (domestic animals, poultry, and bees), in-

creased in value \$818,167,000, or 102.7 per cent. This total increase is made up of increases of \$742,689,000 in the value of land and buildings, \$60,297,000 in the value of live stock, and \$15,181,000 in the value of implements and machinery. In considering the increase of values in agriculture the general increase in the prices of commodities in the last 10 years should be borne in mind.

The average value of a fully equipped farm is \$18,308, an increase of \$7,328 as compared with the average in 1900. The average value per acre of land alone rose from \$21.87 in 1900 to \$47.16 in 1910.

The following table summarizes for the state the more significant facts relating to population and land area, the number, value, and acreage of farms, and the value of all other farm property in 1910 and 1900:

NUMBER, AREA, AND VALUE OF FARMS.	1910 (April 15)	1900 (June 1)	INCREASE. <sup>1</sup>	
			Amount.	Per cent.
Population.....	2,377,549	1,485,053	892,496	60.1
Number of all farms.....	88,197	72,542	15,655	21.6
Approximate land area of the state.....acres.	99,617,280	99,898,880	<sup>2</sup> -281,600	.....
Land in farms.....acres.	27,931,444	28,828,951	-897,507	-3.1
Improved land in farms.....acres.	11,389,894	11,958,837	-568,943	-4.8
Average acres per farm.....	316.7	397.4	-80.7	-20.3
Value of farm property:				
Total.....	\$1,614,694,584	\$796,527,955	\$818,166,629	102.7
Land.....	1,317,195,448	630,444,960	686,750,488	108.9
Buildings.....	133,406,040	77,468,000	55,938,040	72.2
Implements and machinery.....	36,493,158	21,311,670	15,181,488	71.2
Domestic animals, poultry, and bees.....	127,599,938	67,303,325	60,296,613	89.6
Average value of all property per farm.....	\$18,308	\$10,980	\$7,328	66.7
Average value of land per acre.....	\$47.16	\$21.87	\$25.29	115.6

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Due to the formation of the Salton Sea.

NOTE.—Ranges or ranches using the public domain for grazing purposes, but not owning or leasing land, were counted as farms in 1910 and 1900. They were included as owned or managed, free from mortgage, and under 3 acres in size. The counting of these ranges as farms affects all totals, averages, and percentages in which the number of farms is a factor. In 1910 there were 89 such ranges included as farms.

**Irrigation.**—Of the 88,197 farms in the state, 39,352, or 44.6 per cent, were irrigated in 1909. The acreage reported as irrigated in 1909 was 2,664,104 acres, or 23.4 per cent of the improved land in farms. The area to which enterprises existing in 1910 were capable of supplying water was 3,619,378 acres, and the total acreage included in irrigation projects, completed or under way, in 1910 was 5,490,360 acres.

**Population, number of farms, and farm acreage: 1850 to 1910.**—The table following presents, for the state as a whole for each census from 1850 to 1910, inclusive, a statement of the total population, the number of farms, and the acreage of farm land and of improved land in farms. It also gives the percentage of the land area in farms, the percentage of farm land improved, and the percentage of increase during each decade in the number of farms and in the land in farms.

CENSUS YEAR.	Popula- tion.	FARMS.		LAND IN FARMS.			Per cent of land area in farms	Per cent of farm land im- prov- ed.
		Num- ber.	Per cent of in- crease.	All land.		Improved land (acres).		
				Acres.	Per cent of in- crease <sup>1</sup>			
1910....	2,377,549	88,197	21.6	27,931,444	-3.1	11,389,894	28.0	40.8
1900....	1,485,053	72,542	37.1	28,828,951	34.5	11,958,837	28.6	41.5
1890....	1,213,398	52,894	47.2	21,427,293	23.1	12,222,839	21.5	57.0
1880....	864,694	35,934	51.5	16,593,742	45.2	10,669,698	16.7	64.3
1870....	500,247	23,724	26.8	11,427,105	30.9	6,218,133	11.5	54.4
1860....	379,994	18,716	2,696.3	8,730,634	124.2	2,468,034	8.8	28.3
1850....	92,597	872		3,893,985		32,454	3.9	0.8

<sup>1</sup> A minus sign (—) denotes decrease.

In the 60 years since 1850 the population of the state has increased from 92,597 to 2,377,549 and is now about twenty-six times as large as 60 years ago. The absolute increase during the last decade was more than twice as great as that during any other.

The number of farms in California in 1910 was 88,197, which represents an increase of 15,655 during the last decade, as compared with an increase of 19,648 during the decade immediately preceding. In 1850 there were only 872 farms in the state, but in 1860 the number had risen to 18,716. Since that date the increase has been continuous and fairly uniform.

The land area of California is approximately 99,617,280 acres. The part of this area occupied by farms increased continuously from 3,893,985 acres in 1850 to 28,828,951 acres in 1900, but suffered an apparent decrease during the last decade to 27,931,444 acres in 1910. The area of improved land increased from 32,454 acres in 1850 to 12,222,839 acres in 1890, but during the last two decades decreases have been reported, the improved acreage falling to 11,958,837 in 1900 and to 11,389,894 in 1910.

Between 1850 and 1880 the increase in the improved acreage was much greater relatively than the increase in the total farm acreage. Thus the percentage of farm land improved was very much higher in 1880 than in 1850, being 64.3 per cent in 1880, as compared with only eight-tenths of 1 per cent at the earlier date. During the 10 years between 1880 and 1890, however, the total farm acreage made the greater relative as well as the greater absolute increase, while from 1890

to 1900 the total farm acreage showed large increases, both absolute and relative, and the improved acreage showed decreases. The percentage of farm land improved was higher in 1880 than in any other year shown in the table. The decrease in the percentage of improved land probably represents a change in the classification of land by many farmers, who in 1910 reported as "unimproved land" a large amount of acreage which they formerly called "improved." The percentage reported as improved in 1910 (40.8 per cent) is almost the same as that in 1900 (41.5), the decrease in improved acreage during the decade having been relatively about the same as the decrease in total acreage.

The falling off in total and in improved farm acreage is especially noticeable in the central valley of the state, extending from Tehama County in the north to Orange County in the south, inclusive. An error has been discovered in the total farm acreage reported for Merced, Orange, and Sacramento Counties as published in the census reports for 1900, whereby these counties were together credited with 377,091 acres too much. Eliminating this error a decrease is still shown of 520,416 acres, or 1.8 per cent in the total farm acreage of the state. This decline is probably more apparent than real. For example, certain tracts included in forest reserves in 1910 were reported as farm land in 1900, although probably used for grazing

purposes at both censuses. During the decade the land in such reserves increased approximately from 9,000,000 to 28,000,000 acres. It is worthy of note, however, that during the 10 years a remarkable decline occurred in wheat farming in California. The acreage reported as in wheat decreased from 2,683,405 in 1899 to 478,217 in 1909, a decrease of 2,205,188, or 82.2 per cent.

The falling off in improved acreage could be partly accounted for by the decrease in wheat acreage as noted above. Inasmuch as the decrease in wheat acreage was nearly four times as great as the decrease in the aggregate improved acreage, the acreage of such improved farm land as was utilized other than for the raising of wheat increased appreciably during the decade. In fact it is probable that this increase was more than great enough to offset the decrease in the wheat acreage, and that this fact would appear in the table but for the change in the classification of land by many farmers which has already been referred to, these farmers in 1910 reporting as "unimproved land" considerable acreage of the same character and used for the same purposes as that which they formerly reported as "improved."

**Values of farm property: 1850 to 1910.**—The agricultural changes in California since 1850, as reflected in the values of the several classes of farm property, are shown in the table which follows:

CENSUS YEAR.	FARM PROPERTY.							
	Total.		Land and buildings.		Implements and machinery.		Domestic animals, poultry, and bees.	
	Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.	Value.	Per cent of increase.
1910.....	\$1,614,694,584	102.7	\$1,450,601,488	104.9	\$36,493,158	71.2	\$127,599,938	89.6
1900.....	786,327,955	2.5	707,912,960	1.5	21,311,670	45.1	67,303,325	2.8
1890.....	1,777,381,767	140.2	699,116,630	166.0	14,689,710	73.9	165,575,427	58.0
1880.....	1,311,997,443	69.1	262,051,282	85.5	8,447,744	58.9	141,498,417	9.3
1870.....	184,521,470	112.4	141,240,028	189.9	5,316,690	107.8	37,964,752	6.7
1860.....	86,870,327	1,085.4	48,726,804	1,157.8	2,538,506	2,372.4	35,585,017	961.9
1850.....	7,328,582		3,574,041		103,483		3,351,658	

<sup>1</sup> Includes estimated value of range animals.

The total wealth in the form of farm property is \$1,614,695,000, of which 89.8 per cent is contributed by land and buildings, 7.9 per cent by live stock, and 2.3 per cent by implements and machinery.

The value of land and buildings is \$1,450,601,000, being a little more than double that for 1900. In 1850 the value was only \$3,874,000, and has increased continuously during the whole period covered by the table. A continuous increase has occurred also in the values of live stock and of implements and machinery. In all three classes the absolute gain during the last 10 years has been much greater than that during any other decade covered by the table.

In general, the value of live stock has formed a decreasing percentage of the value of all farm property, being only 7.9 per cent in 1910, compared with 20.6 per cent in 1870 and with 45.7 per cent in 1850.

**Average acreage and values per farm: 1850 to 1910.**—

The changes which have taken place during the past 60 years in the average acreage of California farms and in the average values of the various classes of farm property, as well as in the average value per acre of land and buildings, are shown in the following table:

CENSUS YEAR.	Average acres per farm.	AVERAGE VALUE PER FARM. <sup>1</sup>				Average value of land and buildings per acre.
		All farm property.	Land and buildings.	Implements and machinery.	Domestic animals, poultry, and bees.	
1910.....	316.7	\$18,308	\$16,447	\$14	\$1,447	\$51.93
1900.....	367.4	10,980	9,759	294	1,228	24.56
1890.....	405.0	14,697	12,180	278	1,240	32.53
1880.....	461.8	8,683	7,293	235	1,155	15.79
1870.....	481.7	7,778	5,953	224	1,600	12.36
1860.....	496.4	4,642	2,603	137	1,900	5.58
1850.....	445.6	8,404	4,443	119	3,843	0.99

<sup>1</sup> Averages are based on "all farms" in state.

<sup>2</sup> Includes estimated value of range animals.

One striking characteristic of California is the great area of semiarid land utilized for grazing purposes only or left unutilized. Upon such lands are located many very large farms or ranches, and these explain in large measure the high average acreage per farm. Farms other than those used almost exclusively for grazing are not, on the average, unusually large, as compared with the average in other states. The average size of the California farm is 316.7 acres. The average decreased from 4,465.6 acres in 1850 to 466.4 acres in 1860 and then increased to 481.7 acres in 1870, since which time it has decreased continuously.

The average value of a California farm including its equipment is \$18,308, of which \$16,447 represents the value of land and buildings, \$1,447 that of live stock, and \$414 that of implements and machinery. Although the total value of live stock increased continuously during the 60 years covered by the table, the average value per farm (\$3,843) was greater in 1850 than in any later census year. This condition was due to the fact that the live stock ranches of the state were developed before the period of general farming. The present average value per farm of all farm property shows an increase, as compared with the average value in 1900 (\$10,980), which has been more than sufficient to offset the marked decrease shown for the preceding decade.

The average value of land and buildings per farm is \$16,447, while the average value per acre is \$51.93. During the last decade the average value per acre more than doubled and the average value per farm increased more than two-thirds, while during the decade 1890-1900 a considerable decrease occurred in each item. It is noteworthy that notwithstanding the decrease in the size of farms throughout most of the period covered by the table, the value of implements and machinery per farm has continuously risen, the greatest increase occurring during the last decade, when the average value per farm advanced from \$294 to \$414.

**Farm tenure: 1880 to 1910.**—The number of all farms, and therefore of all farm operators, is 88,197. Of the operators, 66,632 are classified as owners, 3,417 as managers, and 18,148 as tenants. Of the 66,632 owners, 56,500 operate land owned exclusively by them, while 10,132 operate land which they rent in addition to that which they own. The tenants are further distributed according to the character of their tenancy; thus 6,135 are share tenants; 704, share-cash tenants; 9,737, cash tenants; and for 1,572 no report relative to character of tenure was secured.

In 1880, 7,124, or 19.8 per cent, of the farm operators were tenants; in 1910 the number was 18,148, or 20.6 per cent. Thus the present proportion of tenancy is practically the same as in 1880. There was, however, a decided increase in this proportion from 1890, when it was 17.8 per cent, to 1900, when it was 23.1 per cent, followed by a considerable decrease during the last

decade. During this decade the absolute increase in the number of tenants was 1,388. The percentage of tenants for the state (20.6) is above the average for the Pacific division (17.2), but low in comparison with the percentage for the United States as a whole (37).

For the sake of comparison with the figures for earlier censuses the share and share-cash tenants reported in 1910 may be grouped together, and likewise the cash tenants and those for whom the form of tenancy was not stated. Throughout the whole period the cash group has constituted an increasing proportion of the total number of all tenants, being smaller than the share group in 1880 and 1890 and larger in 1900 and in 1910.

The following table shows the distribution of the farms of the state according to character of tenure at each census since 1880:

TENURE.	1910	1900	1890	1880
Number of all farms.....	88,197	72,542	52,894	35,934
<b>Farms operated by owners and managers.....</b>	<b>70,049</b>	<b>55,782</b>	<b>43,489</b>	<b>28,810</b>
Farms consisting of owned land only.....	56,500	44,518	(1)	(1)
Farms consisting of owned and hired land.....	10,132	8,211	(1)	(1)
Farms operated by managers.....	3,417	3,253	(1)	(1)
<b>Farms operated by tenants.....</b>	<b>18,148</b>	<b>16,760</b>	<b>9,405</b>	<b>7,124</b>
Share tenants.....	6,135	7,656	4,831	3,915
Share-cash tenants.....	704			
Cash tenants.....	9,737	9,074	4,574	3,209
Tenure not specified.....	1,572			
<b>Per cent of farms operated by—</b>				
Owners and managers.....	79.4	76.9	82.2	80.2
Tenants.....	20.6	23.1	17.8	19.8
Share and share-cash.....	7.8	10.6	9.1	10.9
Cash and non-specified.....	12.8	12.5	8.7	8.9

<sup>1</sup> Not reported separately.

<sup>2</sup> Share-cash tenants were doubtless largely included with share tenants in 1900, 1890, and 1880.

<sup>3</sup> Prior to 1910 nonspecified tenants were included with cash tenants.

The following table shows the total and improved acreage and the value of land and buildings for farms operated by owners (including part owners), managers, and tenants, respectively:

FARMS OPERATED BY—	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
<b>Total.....</b>	<b>27,931,444</b>	<b>28,828,951</b>	<b>11,389,694</b>	<b>11,958,837</b>	<b>\$1,450,601,488</b>	<b>\$707,912,860</b>
Owners.....	15,125,339	15,189,945	6,404,472	6,718,790	882,447,830	413,616,770
Managers.....	6,604,972	7,602,038	1,728,625	1,602,536	229,544,415	124,564,000
Tenants.....	6,201,133	6,036,968	3,196,797	3,637,511	338,609,243	169,732,190

The following table shows the per cent distribution by tenure groups of the items in the preceding table, and also of the number of farms:

FARMS OPERATED BY—	PER CENT OF TOTAL.							
	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.	
	1910	1900	1910	1900	1910	1900	1910	1900
<b>Total.....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Owners.....	75.5	72.4	54.2	52.7	56.8	56.2	60.8	58.4
Managers.....	3.9	4.5	23.6	24.3	15.2	13.4	15.8	17.6
Tenants.....	20.6	23.1	22.2	23.0	28.1	30.4	23.5	24.0

It will be seen that in 1910, 54.2 per cent of all land in farms was in farms operated by their owners (including part owners), 23.6 per cent in farms operated by managers, and 22.2 per cent in farms operated by tenants, the percentage for owners being higher and that for managers and for tenants lower than in 1900.

As shown by the next table, the average size of farms operated by managers in 1910 (1,933 acres) was considerably more than five and one-half times as great as that of farms operated by tenants (341.7 acres), which was in turn about one and one-half times as great as that of farms operated by owners (227 acres). The average size of each class of farms decreased between 1900 and 1910. In 1910 the percentage of farm land improved was highest for farms operated by tenants, and lowest for those operated by managers.

FARMS OPERATED BY—	AVERAGE ACRES PER FARM.				PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
	All land.		Improved land.				Per farm.		Per ac re.	
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
Total.....	316.7	397.4	129.1	164.8	40.8	41.5	\$16,447	\$9,759	\$51.93	\$24.56
Owners.....	227.0	289.2	97.0	127.9	42.7	44.2	15,244	7,874	58.34	27.23
Managers.....	1,933.0	2,152.5	506.9	492.6	26.2	22.9	67,177	38,292	34.75	17.79
Tenants.....	341.7	396.0	176.1	217.0	51.6	54.8	18,658	10,127	54.60	25.57

**Farm mortgages: 1890 to 1910.**—The Eleventh Census (1890) was the first to collect data relating to mortgage debt on farms. The basis of the returns was the "farm home" occupied by its owner. The same class of information was secured by the population schedules of the Twelfth Census (1900). The agricultural schedules of the Thirteenth Census (1910) secured practically the same information, except that the basis was "owned farms" instead of "owned farm homes"—a difference involving, however, no appreciable incomparability.

The following table relates to farms operated by persons owning all or part of the land, and shows for 1910 (1) the number of such farms reported as free from mortgage; (2) the number reported as mortgaged; and (3) the number for which no mortgage reports were secured. Comparable items are included for 1900 and 1890.

CLASS.	OWNED FARMS. <sup>1</sup>		OWNED FARM HOMES.		OWNED FARM HOMES. <sup>2</sup>	
	1910		1900		1890	
	Number.	Per cent. <sup>3</sup>	Number.	Per cent. <sup>3</sup>	Number.	Per cent.
Total.....	66,632		51,093		42,252	
Free from mortgage.....	39,368	59.5	33,620	67.8	28,520	67.5
Mortgaged.....	26,749	40.5	15,979	32.2	13,732	32.5
Unknown.....	515		1,494			

<sup>1</sup> Includes all farms owned in whole or in part by the operator.

<sup>2</sup> The 1,214 "owned farm homes" for which no reports were secured were distributed between "free from mortgage" and "mortgaged" in 1890.

<sup>3</sup> Per cent of combined total of "free from mortgage" and "mortgaged."

In 1910 the total number of farms owned in whole or in part by the operators was 66,632. Of this number, 39,368 were reported as free from mortgage; 26,749 were reported as mortgaged; and for 515 no report relative to mortgage indebtedness was obtained. The number of mortgaged farms constituted 40.5 per cent of the total number of owned farms, exclusive of those for which no mortgage report was obtained. The percentage is considerably higher than it was in 1900 and 1890. It may be noted that the percentages given for the three censuses are comparable, but that the number of mortgaged and unmortgaged farms reported in 1890 is not entirely comparable with the numbers reported at the later censuses because at the census of 1890 the farms for which no reports were secured were distributed between the two classes of mortgaged and unmortgaged farms. It can be seen, however, that from 1890 to 1900 there was a greater absolute increase in the number of farms free from mortgage than in the number mortgaged. During the last decade, however, the greater increase occurred in the number mortgaged, the increase in the latter being 10,770 and that in the number free from mortgage 5,748.

The statement of mortgage debt and of the value of mortgaged farm property is restricted to the farms of those farmers who own all of their land and report the amount as well as the fact of indebtedness. Of the 26,749 farms reported as mortgaged, 22,146 are wholly owned by the farmers, and for 21,430 of these the amount of mortgage debt is reported. Only these last-mentioned farms are included for 1910 in the next table, which presents data relating to mortgaged farms for 1910 and 1890. In this connection it should be noted that in 1890 the amount of mortgage debt of farms with incomplete reports was estimated according to the percentages and averages obtained from farms with full reports, but that no such estimate is here made for 1910. The table gives a comparative statement of the value of mortgaged farms owned entirely by their operators and the amount of indebtedness, together with the average value of such farms, the average debt per farm, and the average equity per farm for 1910 and 1890. Data regarding the amount of mortgage debt were not obtained in 1900.

	OWNED FARMS OR FARM HOMES MORTGAGED.		INCREASE. <sup>1</sup>	
	1910 <sup>2</sup>		1890 <sup>3</sup>	
	Number.	Value.	Amount.	Per cent.
Number.....	21,430	13,732		
Value—Land and buildings.....	\$250,193,190	\$154,256,806		
Amount of mortgage debt.....	\$60,036,660	\$46,767,837		
Per cent of debt to value.....	24.0	30.3		
Average value per farm.....	\$11,675	\$11,233	\$42	3.9
Average debt per farm.....	\$2,802	\$3,496	\$694	17.7
Average equity per farm.....	\$8,873	\$7,827	\$1,046	13.4

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> Includes only farms consisting wholly of owned land and reporting value of farm and amount of debt.

<sup>3</sup> Includes all owned farm homes, estimates being made of value of farms and amount of debt for all defective reports.

The average debt of mortgaged farms decreased in the 20-year period from \$3,406 to \$2,802, or 17.7 per cent, while the average value of such farms rose from \$11,233 to \$11,675, or 3.9 per cent. Thus the owner's equity increased from \$7,827 to \$8,873, or 13.4 per cent. As a result of the greater relative increase in the total farm value than in the total farm debt, the mortgage indebtedness, which was 30.3 per cent of the value of the mortgaged farm in 1890, fell to 24 per cent in 1910.

**Farms by size groups: 1910 and 1900.**—The following table shows the distribution of farms by size groups at the censuses of 1910 and 1900:

SIZE GROUP.	NUMBER OF FARMS.		INCREASE. <sup>1</sup>		PER CENT OF TOTAL.	
	1910	1900	Number.	Per cent.	1910	1900
Total	88,187	72,542	15,655	21.6	100.0	100.0
Under 3 acres	1,269	1,492	-223	-14.9	1.4	2.1
3 to 9 acres	9,324	5,354	3,970	74.2	10.6	7.4
10 to 19 acres	11,922	8,246	3,676	44.9	13.5	11.4
20 to 49 acres	20,614	13,110	7,504	57.2	23.4	18.1
50 to 99 acres	10,680	8,067	2,613	32.4	12.1	11.1
100 to 174 acres	12,015	13,196	-1,181	-8.9	13.6	18.2
175 to 259 acres	4,689	4,435	254	5.7	5.3	6.4
260 to 499 acres	7,862	8,370	-508	-6.1	8.9	11.5
500 to 999 acres	5,119	5,329	-210	-3.9	5.8	7.3
1,000 acres and over	4,693	4,753	-60	-1.3	5.3	6.5

<sup>1</sup> A minus sign (—) denotes decrease.

Of all the farms in California, 23.4 per cent are from 20 to 49 acres in size, 13.6 per cent from 100 to 174 acres, 13.5 per cent from 10 to 19 acres, and 12.1 per cent from 50 to 99 acres. Thus over three-fifths of all the farms in the state are from 10 to 174 acres in size. About one-fourth are of 175 acres or more. A study of the distribution of farms by size groups discloses the fact that between 1900 and 1910 the greatest absolute gain (7,504) occurred in those from 20 to 49 acres in size, while the greatest relative gain (74.2 per cent) took place in those from 3 to 9 acres. The number of places reported as farms of "under 3 acres" decreased 223, and now represents but 1.4 per cent of the total number of farms. This falling off may be due to a different interpretation made by the enumerators as to what constitutes a small farm, or may represent an actual decrease in the number of farms of that type.

Each of the five groups of farms of 100 acres and over shows a decrease, with the exception of the "175 to 259 acre" group, which group, although increasing in number, constituted a smaller proportion of all farms in 1910 than in 1900. An increase is reported for each of the groups embracing farms of from 3 to 99 acres. This increase in the relative number of the smaller farms in conjunction with the decline in aggregate farm acreage during the decade indicates a tendency to subdivide the large farms into smaller ones.

The following table shows the total and improved acreage and the value of land and buildings for farms of various size groups, consolidating into one group the farms of less than 20 acres (numbering in all

22,525), and also the farms of between 175 and 499 acres (numbering 12,551):

SIZE GROUP (ACRES).	ALL LAND IN FARMS (ACRES).		IMPROVED LAND IN FARMS (ACRES).		VALUE OF LAND AND BUILDINGS.	
	1910	1900	1910	1900	1910	1900
Total	27,931,444	28,828,951	11,389,894	11,958,837	\$1,450,601,468	\$707,912,960
Under 20	200,822	144,439	189,679	132,385	133,881,517	53,390,550
20 to 49	625,954	385,844	558,296	339,866	192,799,674	70,970,890
50 to 99	752,951	578,102	600,149	427,059	149,264,205	59,248,520
100 to 174	1,709,459	1,845,422	672,519	951,867	161,032,374	74,150,220
175 to 499	3,816,706	3,968,456	2,226,957	2,266,008	271,773,253	127,743,720
500 to 999	3,535,598	3,085,027	1,846,502	2,036,223	164,156,673	87,544,830
1,000 and over	17,289,951	18,091,660	4,905,801	5,810,429	377,563,732	234,863,800

The following table shows the per cent distribution, by size groups, of the items presented in the preceding table, and also of the number of farms:

SIZE GROUP.	PER CENT OF TOTAL.									
	Number of farms.		All land in farms.		Improved land in farms.		Value of land and buildings.			
	1910	1900	1910	1900	1910	1900	1910	1900	1910	1900
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 20 acres	23.5	20.8	0.7	0.5	1.7	1.1	9.2	7.5	19.2	18.6
20 to 49 acres	23.4	18.1	2.2	1.3	4.9	2.8	13.3	10.0	21.3	16.4
50 to 99 acres	12.1	11.1	2.7	2.0	5.3	3.5	10.3	8.4	13.5	12.5
100 to 174 acres	13.6	18.2	6.1	6.7	5.8	8.0	11.1	10.5	15.9	18.0
175 to 499 acres	14.2	17.9	13.7	19.6	19.6	18.9	18.7	18.0	24.4	23.2
500 to 999 acres	5.8	7.3	12.7	12.8	16.2	17.0	11.3	12.4	12.4	12.4
1,000 acres and over	5.3	6.5	61.9	62.8	43.9	48.6	26.0	33.2	33.2	33.2

Of the total farm acreage of the state in 1910, 61.9 per cent was in farms of 1,000 acres and over, this being from the standpoint of aggregate acreage the most important size group, although it comprised only 5.3 per cent of the total number of farms. Between 1900 and 1910 there was an increase in the proportion of the total acreage which was in farms of each size group less than 100 acres and a decrease in the proportion in farms of each size group 100 acres or more.

In general, as shown by the next table, the percentage of farm land improved diminishes as the size of the farms increases. For this reason and also because buildings have normally a higher value in proportion to farm acreage on small than on large farms, the average value of land and buildings per acre of land also diminishes with the increase in the size of the farms; it is very much higher for the farms under 20 acres in size than for those of any other group.

SIZE GROUP.	PER CENT OF FARM LAND IMPROVED.		AVERAGE VALUE OF LAND AND BUILDINGS.			
			Per farm.		Per acre.	
	1910	1900	1910	1900	1910	1900
Total	40.8	41.5	\$16,447	\$9,759	\$51.93	\$24.56
Under 20 acres	94.4	91.7	5,944	3,540	696.67	369.64
20 to 49 acres	89.2	88.1	9,353	5,413	308.01	183.94
50 to 99 acres	79.7	73.0	13,988	5,345	198.41	102.49
100 to 174 acres	56.9	48.9	13,403	5,019	94.20	38.12
175 to 499 acres	28.3	56.7	21,454	9,823	71.21	31.96
500 to 999 acres	52.2	55.3	32,068	16,428	46.43	23.76
1,000 acres and over	28.9	32.1	80,453	49,414	21.84	12.98

**Color and nativity of farmers: 1910.**—Prior to the Thirteenth Census no attempt was made to secure information on the farm schedules concerning the nativity of farmers. The following table shows the color and nativity of farm operators by character of tenure for 1910:

COLOR AND NATIVITY.	FARM OPERATORS.							
	Total.		Own-ers.	Ten-ants.	Man-agers.	Per cent of total.		
	Num-ber.	Per cent dis-tribution.				Own-ers.	Ten-ants.	Man-agers.
<b>Total</b> .....	88,197	100.0	66,832	18,148	3,417	75.5	20.8	3.9
Native white.....	58,926	66.8	45,780	10,505	2,641	77.7	17.8	4.5
Foreign-born white.	26,193	29.7	19,914	5,565	714	76.0	21.2	2.7
Negro and other nonwhite.....	3,078	3.5	938	2,078	62	30.5	67.5	2.0

### DOMESTIC ANIMALS, POULTRY, AND BEES.

**Domestic animals on farms: 1910.**—The census of 1910 was taken as of April 15 and that of 1900 as of June 1. Since a great many domestic animals are born during the six weeks between April 15 and June 1, and on the other hand a considerable number of older animals are slaughtered or die during the same period, the numbers of the different classes of animals for the two censuses are not closely comparable, and the same is true in somewhat less degree of the values. For this reason the figures for 1900 are not presented in this chapter, but in the general reports of the census the figures for the several states will be presented and the extent to which their comparability is affected by the change in the date of enumeration will be discussed.

Of the total number of farms enumerated, 80,304, or 91.1 per cent, report domestic animals of some kind, the number without any domestic animals being 7,893.

Cattle are reported by 71.5 per cent of all farms, "dairy cows" by 69.3 per cent, and "other cows" by 18.3 per cent. The average number of "dairy cows" per farm reporting such cows is less than 8, while the average number of "other cows" per farm reporting is about 36. Each class of cattle, excepting calves, increased in number materially during the last decade. The census of 1900 was taken as of June 1, after all the spring calves were born, while that of 1910 was taken as of April 15, before the close of the calving season and when the calves on hand were on the average younger than at the enumeration of 1900. As a result the calves enumerated were fewer in number and of lower average value in 1910 than in 1900, the number decreasing from 329,430 to 267,799, and the average value decreasing from \$8.49 to \$7.03.

Horses are reported by 86.3 per cent of all the farms in the state. It may be noted that only 19.1 per cent report colts born in 1909 and 12.9 per cent report spring colts. The average value of mature horses is considerably more than twice that reported in 1900.

More than two-thirds (66.8 per cent) of the California farmers were native whites and about three-tenths (29.7 per cent) foreign-born whites. Only 3,078, or 3.5 per cent of all farmers, were nonwhites. Of these, 1,816 were Japanese, 591 Indians, 512 Chinese, and 159 negroes. It is interesting to note the form of tenure under which these different classes hold land. Of the native white farmers, 17.8 per cent were tenants; of the foreign-born white, 21.2 per cent; and of the nonwhite, 67.5 per cent.

Of a total of 26,193 foreign-born white farmers in California in 1910, 4,669 were born in Germany, 2,457 in Italy, 2,365 in England, and 2,124 in Canada. Other European countries were represented by a total of 13,531 farmers, and non-European countries, other than Canada, by 1,047.

The following table summarizes the statistics of domestic animals on farms for the state, recorded as of April 15, 1910. Cattle and sheep are divided into age and sex groups, while horses, mules, and swine are presented by age groups only.

AGE AND SEX GROUP.	FARMS REPORTING.		ANIMALS.		
	Number.	Percent of all farms.	Number.	Value.	Average value.
<b>Total</b> .....	80,304	91.1	.....	\$123,024,652	.....
<b>Cattle</b> .....	63,053	71.5	2,077,025	52,785,068	\$25.41
Dairy cows (cows and heifers kept for milk, born before Jan. 1, 1909).....	61,101	69.3	467,332	18,597,328	39.79
Other cows (cows and heifers not kept for milk, born before Jan. 1, 1909).....	16,116	18.3	576,909	14,798,012	25.65
Heifers born in 1909.....	24,492	27.8	218,480	3,448,595	15.78
Calves born after Jan. 1, 1910.....	30,126	34.2	267,799	1,883,523	7.03
Steers and bulls born in 1909.....	11,934	13.5	163,728	2,889,503	17.65
Steers and bulls born before Jan. 1, 1909.....	11,601	13.2	321,984	9,941,169	30.87
Unclassified cattle.....	93	0.1	60,793	1,226,938	20.18
<b>Horses</b> .....	76,119	86.3	468,886	47,099,196	100.45
Mares, stallions, and geldings, born before Jan. 1, 1909.....	75,911	86.1	402,584	43,770,557	108.72
Colts born in 1909.....	16,813	19.1	41,927	2,389,191	56.98
Colts born after Jan. 1, 1910.....	11,364	12.9	23,037	767,648	33.32
Unclassified horses.....	11	(1)	1,338	171,800	128.40
<b>Mules</b> .....	11,015	12.5	89,761	9,016,444	129.25
Mules born before Jan. 1, 1909.....	10,659	11.4	61,997	8,552,021	137.94
Mule colts born in 1909.....	1,761	2.0	4,913	351,667	71.58
Mule colts born after Jan. 1, 1910.....	1,271	1.4	2,851	112,756	39.65
<b>Asses and burros</b> .....	1,099	1.2	2,592	347,315	133.99
<b>Swine</b> .....	31,609	35.8	766,551	5,106,803	6.66
Hogs and pigs born before Jan. 1, 1910.....	27,583	31.2	482,810	4,346,524	9.00
Pigs born after Jan. 1, 1910.....	16,145	18.3	283,741	759,979	2.68
<b>Sheep</b> .....	3,857	4.4	2,417,477	8,348,997	3.45
Ewes born before Jan. 1, 1910.....	3,290	3.8	1,217,515	4,914,783	4.04
Rams and wethers born before Jan. 1, 1910.....	2,204	2.5	307,773	1,326,699	4.31
Lambs born after Jan. 1, 1910.....	3,028	3.4	892,189	2,107,515	2.36
<b>Goats</b> .....	1,714	1.9	138,413	320,829	2.32

<sup>1</sup> Less than one-tenth of 1 per cent.

Mules are reported by about one farm out of every eight, and the number of this class of animals is 14.9 per cent of the number of horses. The average values of mules are considerably higher than those of horses of corresponding ages.

Sheep and lambs are reported from 3,857 farms, or 4.4 per cent of all the farms in the state. Of these farms, 78.5 per cent report spring lambs, the number of the latter being equal to 73.3 per cent of the number of ewes. Ewes are reported from 3,390 out of the 3,857 farms reporting sheep, the average number being about 359 per farm. The figures for the farms reporting rams and wethers show an average of about 140 per farm. The average size of the flock, excluding spring lambs, was about 395 in 1910, as compared with about 477 in 1900.

Of all farms, 35.8 per cent report swine, the average number being about 24 per farm reporting. Only 18.3 per cent of all farms report spring pigs, owing doubtless to the early date of enumeration. The average value of the swine reported under the head of "hogs and pigs born before January 1, 1910," is \$9.

**Poultry on farms: 1910 and 1900.**—The following table gives the numbers of the various kinds of poultry reported in 1910 and 1900, together with their value, and the number of farms reporting each kind in 1910:

KIND.	1910 (April 15)				1900 (June 1)
	Farms reporting.		Number of fowls.	Value.	Number of fowls.
	Number.	Per cent of all farms.			
<b>Total</b> .....	66,251	75.1	6,087,267	\$3,844,826	4,196,466
Chickens.....	65,053	74.9	5,965,964	3,237,049	3,947,390
Turkeys.....	11,427	13.5	116,602	258,033	158,356
Ducks.....	3,606	4.1	40,601	28,325	62,293
Geese.....	2,567	2.9	14,195	18,609	28,419
Guinea fowls.....	760	0.9	2,920	1,993	( <sup>1</sup> )
Pigeons.....	2,152	2.4	246,065	69,254	( <sup>2</sup> )
Ostriches.....	10	( <sup>3</sup> )	1,082	229,340	198
All other.....	39	( <sup>4</sup> )	378	1,923	( <sup>5</sup> )

<sup>1</sup> Included with chickens.

<sup>2</sup> Not reported.

<sup>3</sup> Less than one-tenth of 1 per cent.

<sup>4</sup> Thirty-one farms report 288 peafowls, valued at \$1,431; 7 farms report 87 pheasants, valued at \$342; 1 farm reports 3 India jungle fowls, valued at \$150.

The number of fowls on California farms increased from 4,196,000 in 1900 to 6,087,000 in 1910, or 45.1 per cent during the last decade, while the value shows an increase from \$1,902,000 to \$3,845,000, or 102.1 per cent. The increase in the number of fowls was confined almost entirely to chickens, a decrease being reported in 1910 for each of the other classes for which there are comparable figures, except ostriches. Pigeons, an important class in 1910, were not reported in 1900. The number of farms reporting poultry increased from 55,479 to 66,251, or 19.4 per cent, and the average number of fowls per farm reporting

increased from 76 to 92. The value of poultry and the number of farms reporting were obtained in 1900 for the total of all fowls only, and not for each kind as in 1910.

**Bees on farms: 1910 and 1900.**—The number of farms reporting bees has decreased from 6,915 in 1900 to 6,870 in 1910, or 0.7 per cent. The number of colonies of bees increased from 129,444 to 201,023, or 55.3 per cent, and their value increased from \$363,885 to \$729,793, or 100.6 per cent. The average value of bees per farm reporting was \$52.62 in 1900 and \$106.23 in 1910. About eight farms in every hundred report bees.

**Domestic animals not on farms: 1910.**—Most of the domestic animals not on farms are found in cities, towns, and villages. Statistics for such animals are shown below. No provision was made by law to secure data pertaining to poultry and bees not on farms. In the table below age groups are omitted for the sake of brevity.

KIND.	Number of inclosures reporting.	ANIMALS.		
		Number.	Value.	Average value.
<b>Total</b> .....	56,987		\$18,797,015	
All cattle.....	21,323	46,176	1,604,717	\$34.75
Dairy cows.....	20,497	29,962	1,321,897	44.12
Horses.....	45,708	132,521	15,142,841	114.27
Mules.....	1,519	19,012	1,638,381	184.39
Asses and burros.....	449	1,057	45,114	42.68
Swine.....	1,566	12,168	100,761	8.28
Sheep.....	214	64,631	232,572	3.60
Goats.....	1,477	7,113	32,629	4.59

As would be expected, horses are by far the most important class of domestic animals not on farms both in number and value; sheep rank second in importance in point of number, while mules rank second in value.

**Domestic animals on farms and not on farms: 1910.**—The following table gives the total number and value of domestic animals, distinguishing those on farms from those not on farms:

KIND.	DOMESTIC ANIMALS.					
	Total.		On farms.		Not on farms.	
	Number.	Value.	Number.	Value.	Number.	Value.
<b>Total</b> .....		\$141,821,667		\$123,024,652		\$18,797,015
All cattle.....	2,123,201	54,389,785	2,077,025	52,785,068	46,176	1,604,717
Dairy cows.....	497,294	19,919,225	467,332	18,507,328	29,962	1,321,897
Horses.....	661,407	62,242,037	408,886	47,099,196	132,521	15,142,841
Mules.....	89,373	10,654,825	69,761	9,016,444	10,612	1,638,381
Asses and burros.....	3,649	392,429	2,592	347,315	1,057	45,114
Swine.....	778,719	5,207,944	766,551	5,106,803	12,168	100,761
Sheep.....	2,482,108	8,581,959	2,417,477	8,248,997	64,631	232,572
Goats.....	145,626	353,458	138,413	320,829	7,113	32,629

The total value of all domestic animals in the state in 1910 was \$141,822,000, of which the value of animals not on farms constituted 13.3 per cent.



## LIVE STOCK PRODUCTS.

The returns for live stock products obtained at the census of 1910, like those for crops, relate to the activities of the calendar year 1909. It is impossible to give a total representing the annual production of live stock products for the reason that, as shown elsewhere, the total value of products from the business of raising domestic animals for use, sale, or slaughter can not be calculated from the census returns. Even if this value could be ascertained and were added to the value of the crops the sum would not correctly represent the total value of farm products, because, as already more fully explained, duplication would result from the fact that part of the crops are fed to the live stock.

**Dairy products 1909 and 1899.**—The following table shows the principal statistics relative to dairy products in 1909, with certain comparative statistics for 1899:

	FARMS REPORTING.		Number or quantity.	Unit.	VALUE.	
	Num-ber.	Per cent of all farms.			Total.	Average per unit.
Dairy cows on farms April 15, 1910.....	61,101	69.3	467,332	Head..	.....	.....
On farms reporting dairy products in 1909.....	46,376	52.6	408,812	Head..	.....	.....
On farms reporting milk produced in 1909.....	42,112	47.7	315,385	Head..	.....	.....
Specified dairy products, 1909:						
Milk reported.....	.....	.....	154,901,956	Gals..	.....	.....
Butter made.....	31,345	35.5	15,301,871	Lbs....	\$4,085,992	\$0.27
Cheese made.....	450	0.5	2,777,873	Lbs....	883,494	0.14
Milk sold.....	5,906	6.7	45,333,432	Gals..	7,346,176	0.16
Cream sold.....	3,133	3.6	3,397,061	Gals..	2,861,921	0.84
Butter fat sold.....	5,565	6.2	19,176,719	Lbs....	5,766,394	0.30
Butter sold.....	12,911	14.6	16,285,583	Lbs....	2,763,392	0.27
Cheese sold.....	183	0.2	2,513,815	Lbs....	345,414	0.14
Total receipts from sales, 1909.....					19,033,297	
Total value of milk, cream, and butter fat sold and butter and cheese made, 1909.....					20,443,977	
Specified dairy products, 1899:						
Butter made.....	32,088	44.2	20,833,360	Lbs....	.....	.....
Cheese made.....	430	0.6	4,249,588	Lbs....	.....	.....
Butter sold.....	.....	.....	15,236,667	Lbs....	2,903,714	0.19
Cheese sold.....	.....	.....	3,989,893	Lbs....	264,456	0.09

The number of farms reporting dairy cows on April 15, 1910, was 61,101, but only 46,376 reported dairy products in 1909. That there should be this difference is not surprising. Doubtless some farmers who had dairy cows in 1910 had none in 1909, while other farmers neglected to give information for the preceding year, or were unable to do so, perhaps because the farm was then in other hands. Dairy products in general are somewhat less accurately reported than the principal crops. This is particularly the case as regards the quantity of milk produced. The number of farms which made any report of milk

produced during 1909 was 42,112 (somewhat less than the total number reporting dairy products), and the number of dairy cows on such farms on April 15, 1910, was 315,000. The amount of milk reported was 154,902,000 gallons; assuming that there were the same number of cows in 1909 as in 1910, this would represent an average of 491 gallons per cow. In considering this average, however, it should be borne in mind that the quantity of milk reported is probably deficient and that the distinction between dairy and other cows is not always strictly observed in the census returns.

By reason of the incompleteness of the returns for milk produced, the Census Bureau has made no attempt to determine the total value of dairy products for 1909. For convenience a partial total has been presented comprising the reported value of milk, cream, and butter fat sold and the reported value of butter and cheese made, whether for home consumption or for sale. The total thus obtained for 1909 is \$20,444,000, which may be defined as the total value of dairy products exclusive of milk and cream used on the farm producing.

Less than one-third of the milk reported as produced by California farmers in 1909 was sold as such. Large quantities of milk and cream were sold on the butter fat basis. The butter made on farms in 1909 was valued at \$4,086,000.

Comparisons are made between 1909 and 1899 for but few of the census items relating to dairy products, for the reason that in 1899 estimates were made for farms with incomplete reports, which was not done at the census of 1910. The figures for milk produced and milk sold are particularly affected, but those for butter and cheese are approximately comparable. The table shows a material decrease between 1899 and 1909 in the amount of butter made, and a still greater relative decrease in the production of cheese.

**Wool: 1909 and 1899.**—The next table gives statistics as to the production of wool on farms, the figures being partly based on estimates.<sup>1</sup>

<sup>1</sup> Farmers should be able in general to report the production of wool more accurately than that of dairy products. There were, however, 1,434 farmers who reported the possession of 214,485 sheep of shearing age on April 15, 1910, without reporting any wool produced in 1909. Probably in a large proportion of cases this failure was due to the fact that they did not have these sheep, or did not occupy the same farm, during the preceding year. The returns of farms reporting wool in 1909 but no sheep of shearing age on April 15, 1910, would partially make up this deficiency, but it is believed that in many cases enumerators, having found that a farm had no sheep in 1910, omitted the inquiry as to wool produced in 1909 and thus missed more or less wool actually produced. It is a fairly safe assumption that the entire production of wool in 1909 bore the same relation to the entire number of sheep of shearing age on April 15, 1910, as the production of wool on those farms reporting both production and sheep bore to the number of sheep reported on such farms. Statistics for this group of farms are given in the table, and the total wool product, estimated on the basis of the above assumption, is also given.

	Number of farms reporting.	Sheep of shearing age.	WOOL PRODUCED.		
			Fleeces (number).	Weight (pounds).	Value.
Sheep of shearing age on farms April 15, 1910.....	3,546	1,525,288	.....	.....	.....
Wool produced, as reported, 1909.....	2,236	.....	2,275,389	12,516,274	\$2,145,107
On farms reporting sheep April 15, 1910.....	2,112	1,310,303	2,202,421	12,086,934	2,083,092
On other farms.....	124	.....	72,968	429,340	62,015
Total production of wool (partly estimated):	.....	.....	.....	.....	.....
1909.....	.....	.....	2,562,800	14,064,703	2,423,946
1899.....	.....	.....	2,882,305	13,680,495	1,707,088
Increase, 1899 to 1909 <sup>1</sup> .....	.....	.....	-319,505	384,208	716,858
Per cent of increase <sup>1</sup> .....	.....	.....	-11.1	2.8	42.0

<sup>1</sup> A minus sign (-) denotes decrease.

The total number of sheep of shearing age in California on April 15, 1910, was 1,525,000, representing a decrease of 11.6 per cent as compared with the number on June 1, 1900 (1,725,000). The approximate production of wool during 1909 was 2,563,000 fleeces, weighing 14,065,000 pounds and valued at \$2,424,000. Of these totals about 11 per cent represents estimates. The number of fleeces produced in 1909 was 11.1 per cent less than in 1899. The average weight per fleece in 1909 was 5.5 pounds, as compared with 4.7 pounds in 1899, and the average value per pound was 17 cents, as compared with 12 cents in 1899.

**Goat hair and mohair: 1909 and 1899.**—Although 1,714 farmers reported 138,413 goats and kids on their farms April 15, 1910, only 367 reported the production of goat hair or mohair during 1909. These farmers reported 102,134 fleeces, weighing 282,596 pounds and valued at \$60,821. The production showed a considerable increase between 1899 and 1909. Many farmers who have goats do not produce goat hair or mohair, but it is believed that the report is somewhat short of the actual production.

**Poultry products: 1909 and 1899.**—The total number of fowls on California farms on April 15, 1910, was 6,087,000. Of the 66,251 farms reporting fowls, 14,180 did not report any eggs produced in 1909, and 18,136 did not report any poultry raised in 1909. The production of eggs actually reported for the year 1909 was 35,908,000 dozens, valued at \$8,983,000. According to the Twelfth Census reports the production of eggs in 1899 was 24,444,000 dozens, the value being \$3,865,000. The latter figures, however, are somewhat in excess of the actual returns at

that census, because they include estimates made to cover those cases where the schedule reported fowls on hand without reporting the production of eggs. In order to make the returns for 1909 comparable with those published for 1899 similar estimates have been made, the method of estimate and the justification therefor being substantially the same as in the case of wool. The total production of eggs in 1909, including these estimates, was 41,022,000 dozens, valued at \$10,263,000. The total production of poultry in 1909, including estimates made on the same basis as for eggs, was 8,431,000 fowls, valued at \$4,421,000.

The statement below gives data relative to the production and sale of eggs and poultry:

	Number of farms reporting.	Number of fowls on hand.	PRODUCT.	
			Quantity.	Value.
Fowls on farms April 15, 1910.....	66,251	6,087,267	.....	.....
On farms reporting eggs produced in 1909.....	52,671	5,380,858	.....	.....
On other farms.....	14,180	706,409	.....	.....
Eggs produced, as reported, 1909.....	52,677	.....	<b>Dozens.</b>	<b>\$8,983,204</b>
Total production of eggs (partly estimated):	.....	.....	35,907,973	.....
1909.....	.....	.....	41,022,395	10,262,694
1899.....	.....	.....	24,443,540	3,864,679
Increase, 1899 to 1909.....	.....	.....	16,578,855	6,398,015
Per cent of increase.....	.....	.....	67.8	165.6
Eggs sold, as reported, 1909.....	36,621	.....	26,867,687	6,717,426
Fowls on farms April 15, 1910:	.....	.....	.....	.....
On farms reporting poultry raised in 1909.....	48,115	5,123,648	.....	.....
On other farms.....	18,136	963,619	.....	.....
Poultry raised, as reported, 1909.....	49,170	.....	<b>No. of fowls.</b>	<b>3,720,744</b>
Total poultry raised (partly estimated):	.....	.....	7,696,339	.....
1909.....	.....	.....	8,430,968	4,420,515
1899.....	.....	.....	2,492,067	2,492,067
Increase, 1899 to 1909.....	.....	.....	5,938,901	1,928,448
Per cent of increase.....	.....	.....	77.4	77.4
Fowls sold, as reported, 1909.....	27,492	.....	3,678,208	2,018,856

**Honey and wax: 1909.**—Although, as noted elsewhere, 6,870 farms reported 201,023 colonies of bees on hand April 15, 1910, 2,782 of these farms, with 21,397 colonies on hand April 15, 1910, made no report of honey or wax produced in 1909. The actual returns show the production of 10,264,715 pounds of honey, valued at \$631,529, and 126,445 pounds of wax, valued at \$33,838; the true totals are doubtless somewhat above these figures.

**Sale or slaughter of domestic animals on farms: 1909 and 1899.**—The next statement presents statistics relating to the sale or slaughter of domestic animals by California farmers during the year 1909, with certain items for 1899.

	FARMS REPORT- ING.		Number of animals.	VALUE.	
	Number.	Percent of all farms.		Total.	Aver- age.
<b>1909—All domestic animals:</b>				\$31,130,113	
Sold.....				2,497,007	
Slaughtered.....					
<b>Cattle:</b>					
Sold.....	16,882	19.1	147,467	1,012,253	\$6.86
Slaughtered.....	4,767	5.4	50,538	328,033	6.49
<b>Other cattle:</b>					
Sold.....	19,775	22.4	548,920	17,577,236	32.02
Slaughtered.....	4,054	4.6	36,319	961,211	26.47
<b>Horses sold.....</b>	7,955	9.0	28,989	3,376,965	116.49
<b>Mules sold.....</b>	1,627	1.8	8,916	1,201,849	134.80
<b>Asses and burros sold.....</b>	62	0.1	166	20,676	124.55
<b>Swine:</b>					
Sold.....	13,605	15.4	478,678	4,861,520	10.16
Slaughtered.....	15,337	17.4	82,270	1,053,424	12.80
<b>Sheep:</b>					
Sold.....	1,713	1.9	815,960	3,024,951	3.71
Slaughtered.....	919	1.0	35,915	142,672	3.97
<b>Goats:</b>					
Sold.....	274	0.3	19,751	54,683	2.77
Slaughtered.....	335	0.4	4,001	11,667	2.92
<b>1899—All domestic animals:</b>				13,305,165	
Sold.....				2,449,820	

<sup>1</sup> Schedules called for receipts from sales of animals raised on the farms reporting.

The total value of domestic animals sold during 1909 was \$31,130,000 and that of animals slaughtered

on farms \$2,497,000, making an aggregate of \$33,627,000. This total, however, involves considerable duplication, resulting from the resale or slaughter of animals which had been purchased by the farmers during the same year. More than one-half of this aggregate represents cattle (excluding calves) sold.

The value of the cattle (including calves) sold during 1909 represented somewhat less than three-fifths of the total value of all animals sold, and the value of the swine sold represented less than one-sixth of the total.

The census of 1900 called for the receipts from the sale of all domestic animals raised on the farms reporting and the value of those slaughtered during the year 1899, which amounted, respectively, to \$13,305,000 and \$2,450,000. The item of sales is not closely comparable with that for 1909, when the inquiry covered all sales whether of animals raised on the farms reporting or elsewhere. It is believed, however, that in many cases the returns for 1899 also included receipts from sales of animals not actually raised on the farms reporting.

### CROPS.

**Summary: 1909 and 1899.**—The following table summarizes the census data relative to all of the farm crops of 1909 and 1899. It includes not only general farm crops, but also flowers and plants, nursery products, and forest products of farms. In comparing one year with the other it should be borne in mind that acreage is on the whole a better index of the

general changes or tendencies of agriculture than either the quantity or the value of the crops, since variations in quantity may be due largely to temporarily favorable or unfavorable climatic conditions, and variations in the value of the crops are largely affected by changes in prices. (See also discussion of "Total value of farm products.")

	ACRES.				PER CENT OF IMPROVED LAND OCCUPIED.		VALUE OF PRODUCTS.					
	1909	1899	Increase. <sup>1</sup>				1909	1899	Increase. <sup>1</sup>		Per cent of total.	
			Amount.	Per cent.					Amount.	Per cent.	1909	1899
All crops.....							\$153,111,013	\$95,365,712	\$57,745,301	60.6	100.0	100.0
Crops with acreage reports.....	4,924,733	6,434,434	-1,509,701	-23.5	43.2	53.8	100,409,039	64,583,063	35,825,976	55.5	65.8	67.7
Cereals.....	1,970,492	4,004,254	-2,033,762	-50.8	17.3	33.5	28,039,826	33,674,733	-5,634,907	-16.7	18.3	35.3
Other grains and seeds.....	163,776	49,219	114,557	23.7	0.4	0.4	6,517,453	1,116,678	5,400,775	483.6	4.3	1.2
Hay and forage.....	2,535,347	2,239,601	295,746	13.1	22.2	18.7	42,187,215	19,436,398	22,750,817	117.1	27.6	30.4
Tobacco.....	4	27	-23	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	479	4,352	-3,873	-89.0	( <sup>2</sup> )	( <sup>2</sup> )
Cotton (including cotton seed).....	324	324		( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	12,776		12,776		( <sup>2</sup> )	( <sup>2</sup> )
Hemp.....	300	500	-200	-40.0	( <sup>2</sup> )	( <sup>2</sup> )	39,000	45,000	-6,000	-13.3	( <sup>2</sup> )	( <sup>2</sup> )
Hops.....	8,391	6,890	1,501	21.8	0.1	0.1	1,731,110	925,319	805,791	87.1	1.1	1.0
Broom corn.....	1,023	1,669	-646	-38.7	( <sup>2</sup> )	( <sup>2</sup> )	32,509	40,506	-7,997	-19.7	( <sup>2</sup> )	( <sup>2</sup> )
Sugar crops.....	79,604	41,382	38,222	92.4	0.7	0.3	4,335,358	1,554,134	2,781,224	179.0	2.8	1.6
Sundry minor crops.....	7	4,919	-4,912	-99.9	( <sup>2</sup> )	( <sup>2</sup> )	840	103,585	-102,745	-99.2	( <sup>2</sup> )	0.1
Potatoes and sweet potatoes and yams.....	72,799	43,705	29,094	66.6	0.6	0.4	5,235,073	2,773,140	2,461,933	38.8	3.4	2.9
Other vegetables.....	79,163	32,401	46,762	144.3	0.7	0.3	6,886,885	2,858,832	4,028,053	140.9	4.5	3.0
Flowers and plants and nursery products.....	5,816	3,586	2,230	62.2	0.1	( <sup>2</sup> )	3,601,301	1,138,975	2,462,326	216.2	2.4	1.2
Small fruits.....	9,687	6,281	3,406	54.2	0.1	0.1	1,789,214	911,411	877,803	96.3	1.2	1.0
Crops with no acreage reports.....							52,701,974	30,782,649	21,919,325	71.2	34.4	32.3
Seeds.....							890,758	191,293	699,465	318.6	0.5	0.2
Fruits and nuts.....							48,917,635	28,809,830	20,107,825	69.8	31.9	30.2
Forest products of farms.....							2,949,732	1,724,378	1,225,354	71.1	1.9	1.8
Miscellaneous.....							33,829	57,148	-23,319	-40.8	( <sup>2</sup> )	0.1

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Per cent not calculated when base is less than 100.

<sup>3</sup> Less than one-tenth of 1 per cent.

<sup>4</sup> Includes value of raisins and other dried fruits, wine, cider, vinegar, etc.

The total value of crops in 1909 was \$153,111,000. Of this amount, 65.6 per cent was contributed by crops for which the acreage as well as the value was reported, the remainder consisting of the value of by-products (straw, garden, and grass seeds, etc.) derived from the same land as other crops reported, or of orchard fruits, nuts, forest products, and the like. The combined acreage of crops for which acreage was reported was 4,924,733, representing 43.2 per cent of the total improved land in farms (11,389,894 acres). Most of the remaining improved land doubtless consisted of improved pasture, land lying fallow, house and farm yards, and land occupied by orchards and vineyards, the acreage for which was not reported.

The general character of California agriculture is indicated by the fact that somewhat less than one-fifth (18.3 per cent) of the total value of crops in 1909 was contributed by the cereals, somewhat less than one-third (31.9 per cent) by fruits and nuts, and more than one-fourth (27.6 per cent) by hay and forage. The remainder, representing 22.2 per cent of the total, consisted mostly of potatoes and other vegetables, grains and seeds, other than cereals, sugar crops, and flowers and plants and nursery products.

The total value of crops in 1909 was 60.6 per cent, greater than in 1899, this increase being no doubt due in part to higher prices. There was a decrease of 23.5 per cent in the total acreage of crops for which acreage was reported, the greatest decrease amounting to more than two millions of acres being reported for cereals, while all the other important crops showed increases in acreage, the greatest absolute increase being that in the acreage of hay and forage.

**General farm crops, minor grains and seeds, and sundry minor crops: 1879 to 1909.**—The leading crops covered by the table, in the order of their importance as judged by value, are hay and forage, \$42,187,000; barley, \$17,185,000; wheat, \$6,324,000; dry edible beans, \$6,295,000; and potatoes, \$4,879,000. It should be noted, however, that some of the crops reported in other tables are more important than wheat, dry edible beans, or potatoes.

The combined acreage of the cereals is hardly four-fifths that of hay and forage, while the value of the crop is only about two-thirds as great. Barley is the leading cereal, both its acreage and value being about three-fifths those of all cereals combined. Wheat ranks second, with an acreage approximately one-fourth that of all cereals combined, while the value of the crop is more than one-fifth as great. Oats, corn, and kafir corn and milo maize rank in the order named in both acreage and value.

Of the hay and forage crops, by far the most important is "grains cut green." The acreage of this

crop represents considerably more than three-fifths of the total acreage in hay and forage, and the value is about one-half that of the entire hay and forage crop. Of the remaining crops, "alfalfa," "wild, salt, or prairie grasses," and "other tame or cultivated grasses" are the most prominent, both in acreage and in value.

Dry edible beans, potatoes, and hops are among the principal crops, when value is considered. Dry edible beans have an acreage more than one-eighth as great as barley, the leading cereal, and a value more than one-third as great. Potatoes, with an acreage but little more than one-twentieth as great as that of barley, show a value considerably more than one-fourth as great. Hops, with a very small acreage, show a value over one-tenth that of barley.

The following table presents statistics for 1909 regarding cereals, other grains and seeds, hay and forage, potatoes, tobacco, cotton, hemp, hops, broom corn, and sundry minor crops:

CROP.	Farms reporting.	Acres harvested.	QUANTITY.		Value.
			Amount.	Unit.	
<b>Cereals, total.</b>		<b>1,970,492</b>	<b>39,105,917</b>	<b>Bu.</b>	<b>\$28,039,826</b>
Corn.....	5,728	51,935	1,273,901	Bu.	1,077,411
Oats.....	2,477	192,158	4,143,688	Bu.	2,637,047
Wheat, total.....	4,678	478,217	6,203,206	Bu.	6,323,983
Common winter.....	3,739	426,405	5,340,374	Bu.	5,483,204
Common spring.....	944	51,812	857,543	Bu.	885,002
Durum or macaroni.....	7	400	5,089	Bu.	5,777
Emmer and spelt.....	19	849	19,755	Bu.	13,758
Barley.....	7,597	1,195,158	26,444,954	Bu.	17,184,508
Buckwheat.....	26	849	11,681	Bu.	11,568
Rye.....	193	7,027	70,683	Bu.	65,846
Kafir corn and milo maize.....	2,521	44,308	938,049	Bu.	725,704
<b>Other grains and seeds with acreage report, total.</b>		<b>167,778</b>	<b>3,467,885</b>	<b>Bu.</b>	<b>6,517,453</b>
Dry edible beans.....	3,054	153,987	3,328,218	Bu.	6,295,457
Horse beans.....	67	159	5,354	Bu.	5,659
Dry peas.....	263	2,959	57,408	Bu.	101,016
Peanuts.....	42	99	2,991	Bu.	2,889
Flaxseed.....	68	240	1,882	Bu.	3,224
Mustard seed.....	66	1,964	63,365	Bu.	100,731
Sorghum cane seed.....	14	106	1,147	Bu.	1,997
Sunflower seed.....	21	257	6,855	Bu.	6,264
<b>Seeds with no acreage report, total.</b>					<b>800,758</b>
Timothy seed.....	4	( <sup>1</sup> )	337	Bu.	1,065
Clover seed.....	10	( <sup>1</sup> )	310	Bu.	2,823
Alfalfa seed.....	347	( <sup>1</sup> )	23,791	Bu.	200,823
Other tame grass seed.....	5	( <sup>1</sup> )	1,077	Bu.	1,323
Flower and garden seeds.....	109	( <sup>1</sup> )			594,724
<b>Hay and forage, total.</b>	<b>53,780</b>	<b>2,533,347</b>	<b>4,327,139</b>	<b>Tons.</b>	<b>\$2,187,215</b>
Timothy alone.....	370	13,725	20,001	Tons.	185,579
Timothy and clover mixed.....	458	46,661	73,183	Tons.	629,575
Clover alone.....	703	8,519	20,389	Tons.	213,289
Alfalfa.....	19,904	484,134	1,039,707	Tons.	13,088,580
Milo or Hungarian grass.....	101	2,142	2,688	Tons.	27,483
Other tame or cultivated grasses.....	2,274	90,414	119,415	Tons.	1,253,428
Wild, salt, or prairie grasses.....	3,679	235,127	281,033	Tons.	2,028,494
Grains cut green.....	39,397	1,604,745	2,019,526	Tons.	24,056,727
Coarse forage.....	2,175	25,868	60,611	Tons.	438,095
Root forage.....	1,021	4,012	90,586	Tons.	266,015
Potatoes.....	12,533	67,688	9,824,005	Bu.	4,879,449
Sweet potatoes and yams.....	1,133	5,111	372,814	Bu.	355,624
Tobacco.....	12	4	4,502	Lbs.	479
Cotton.....	18	321	183	Bales	11,744
Cotton seed (estimated).....	2		92	Lbs.	1,032
Hemp.....	273	8,391	11,994,953	Lbs.	1,731,110
Hops.....	24	1,023	614,250	Lbs.	32,509
Sundry minor crops, total.....		7			840

<sup>1</sup> Includes small amount of broom corn seed.

<sup>2</sup> The entire acreage from which these seeds were secured is believed to be included in the acreage given elsewhere for hay and forage crops, flowers and plants, etc.

<sup>3</sup> Includes small amounts of chicory and willows.

The fluctuations in the acreages of some of the principal crops during the past 30 years are shown in the next table.

CROP YEAR.	ACRES HARVESTED.					
	Corn.	Oats.	Wheat.	Barley.	Hay and forage.	Potatoes.
1909.....	51,935	192,158	478,217	1,195,158	2,533,347	67,688
1899.....	53,930	153,734	2,683,405	1,029,647	2,239,001	42,098
1889.....	70,363	57,569	2,840,807	815,935	1,611,574	38,178
1879.....	71,751	45,947	1,822,429	586,350	758,024	( <sup>1</sup> )

<sup>1</sup> Not reported.

Barley and oats each show a steady gain in acreage throughout the 30-year period, that of barley being over twice as great in 1909 as in 1879, and that of oats nearly four times as great. The acreage of corn shows a somewhat slow yet continuous decline for the 30 years. Wheat had a much greater acreage in 1889 than in 1879, was but slightly less in 1899, but in 1909 had an acreage less than 18 per cent that of 1899. In the acreage of hay and forage, on the contrary, a marked increase throughout the period is recorded, the largest increase occurring during the second decade. The aggregate increase for the 30-year period is 1,775,323 acres. The acreage of potatoes was not reported for 1879, but shows a considerable increase during the last 20 years.

The following table shows for 1909 and 1899 the percentage which the farms reporting specified crops represented of all farms, the percentage of improved land devoted to these crops, and the percentage of increase or decrease in the acreage of each crop during the decade, together with the average yields and average values per acre for 1909:

CROP.	PER CENT OF FARMS REPORTING.		PER CENT OF IMPROVED LAND.		Per cent of increase in acres: 1899 to 1909 <sup>1</sup>	AVERAGE YIELD PER ACRE.		AVERAGE VALUE PER ACRE.
	1909	1899	1909	1899		1909	1909	
Corn.....	6.6	7.4	0.5	0.5	-3.7	24.5 Bu.		\$20.75
Oats.....	2.8	5.3	1.7	1.3	25.0	21.6 Bu.		13.72
Wheat.....	5.3	17.4	4.2	22.4	-82.2	13.0 Bu.		13.22
Barley.....	8.6	14.2	10.5	8.6	16.1	22.1 Bu.		14.38
Hay and forage.....	61.0	68.1	22.2	18.7	13.1	1.71 Tons.		16.65
Potatoes.....	14.2	13.5	0.6	0.4	60.8	145.1 Bu.		72.09

<sup>1</sup> A minus sign (-) denotes decrease.

Of every 100 farms in California, 61 raised hay and forage in 1909; 14, potatoes; 9, barley; 7, corn; 5, wheat; and 3, oats. Except in the case of potatoes, these percentages are smaller than those for 1899.

The six crops included in the above table cover only about 40 per cent of the total improved land of the state, as compared with about 52 per cent in 1899. This large proportionate decrease is due entirely to the immense decrease in the acreage of wheat. Of the other crops, oats, barley, hay and forage, and potatoes show increases in the proportion of improved land occupied, while corn occupies the same proportion of improved land as in 1899.

The average value per acre of the combined cereals in 1909 was \$14.23, the average value of corn and barley exceeding this average, and that of oats and wheat falling below it. The average value per acre of hay and forage is slightly above that of all cereals combined, while that of potatoes is over five times as great. From 1899 to 1909 a decrease of 2,033,762 acres, or 50.8 per cent, was reported in the combined acreage of the cereals, and an increase of 293,746 acres, or 13.1 per cent, in the acreage of hay and forage.

Of the different counties of the state, more than one-half show increases in the acreage of hay and forage. With three exceptions, all the counties reporting decreases in such acreage are located in the northern half of the state. The largest absolute increase is found in San Joaquin County and the largest absolute decrease in Los Angeles County. Although an increase in the acreage of barley is reported for the state as a whole, more than one-half of the counties show decreases. As in the case of hay and forage the decreases are found principally in the northern half of the state. The greatest absolute increase is reported from Riverside County, and the greatest absolute decrease from Santa Clara County. More than one-tenth of the total acreage of the state is reported from San Joaquin County.

In the acreage of wheat only five counties show increases. Two of these, Alpine and Mono, are located near the middle of the eastern boundary line; two, Modoc and Lassen, are in the extreme northeast corner; and the remaining one, Ventura, is on the southwest coast, northwest of Los Angeles. The greatest decrease in the acreage of wheat reported for any county was 272,116 acres for Stanislaus County. Slightly more than one-half of the total acreage of dry edible beans is reported from Santa Barbara and Ventura Counties on the southwest coast. All the counties reporting increases in the acreage of oats belong to one of four distinct groups, the first consisting of four counties, Modoc, Lassen, Trinity, and Shasta, in the northern part of the state; the second, of two counties, Glenn and Sutter, just north of the center; the third, of ten counties in the central and east central parts of the state; and the fourth, of six counties in the extreme southern part of the state. The largest absolute increase is recorded for Stanislaus County, and the largest absolute decrease for Sonoma County. Hops are reported from less than one-third of the counties, and two of these, Sonoma and Mendocino, situated on the northwest coast, together report more than one-half of the total acreage. Nearly one-fifth of the corn acreage is reported from Los Angeles County, about one-half of the potato acreage from Contra Costa and San Joaquin Counties, and about one-fourth of the acreage of kafir corn and milo maize is reported from Tulare County.

**Vegetables, flowers and plants, and nursery products: 1909 and 1899.**—The table which follows shows details with regard to vegetables (not including potatoes and sweet potatoes and yams, which appear elsewhere), and also with regard to flowers and plants and nursery products:

CROP.	FARMS REPORTING: 1909		ACRES.		VALUE OF PRODUCTS.	
	Num-ber.	Per cent of all farms.	1909	1899	1909	1899
Vegetables, other than potatoes and sweet potatoes and yams, total.....	133,755	38.3	79,163	32,401	\$6,886,885	\$2,858,832
Farms reporting a product of \$500 or over.....	2,075	2.4	53,309	.....	4,836,001	.....
All other farms.....	31,680	35.9	25,794	.....	2,050,884	.....
Flowers and plants, total..	442	0.5	1,013	672	1,388,513	580,646
Farms reporting a product of \$250 or over.....	347	0.4	.....	.....	1,373,577	.....
All other farms.....	95	0.1	.....	.....	14,936	.....
Nursery products, total..	566	0.6	4,803	2,914	2,212,788	558,329
Farms reporting a product of \$250 or over.....	296	0.3	.....	.....	2,134,713	.....
All other farms.....	270	0.3	.....	.....	78,075	.....

<sup>1</sup> Does not include 9,393 farms which reported that they had vegetable gardens, but gave no information as to their products.

In 1909 the total acreage of potatoes and other vegetables was 151,962 and their value \$12,121,958. Excluding (so far as reported separately<sup>1</sup>) potatoes and sweet potatoes and yams, the acreage of vegetables was 79,163 and their value \$6,887,000, both acreage and value being more than twice as great as in 1899. The table distinguishes between farms which make the raising of vegetables a business of some importance (having produced vegetables valued at \$500 or more in 1909) and other farms, on most of which vegetables are raised mainly for home consumption. There were in 1909, 2,075 farms in the first class, representing about two-thirds of the total acreage of vegetables and more than two-thirds of the total value, the average acreage of vegetables per farm for these farms being 25.7 and the average value of products per acre \$90.61.

The raising of flowers and plants and of nursery products is also of considerable importance in California, 5,816 acres being devoted to them in 1909, and the output being valued at \$3,601,301. Most of the product was raised on farms where these branches of agriculture were carried on as an important business.

**Small fruits: 1909 and 1899.**—Strawberries are by far the most important of the small fruits raised in California, with raspberries and loganberries, and blackberries and dewberries ranking second and third, respectively. The total acreage of small fruits in 1909

was 9,687 and in 1899, 6,281, an increase of 54.2 per cent. The production in 1909 was 26,824,000 quarts, as compared with 14,582,000 quarts in 1899, and the value was \$1,789,000 in 1909, as compared with \$911,000 in 1899.

The following table shows data with regard to small fruits on farms:

CROP.	Number of farms reporting: 1909	ACRES.		Quantity (quarts): 1909	Value: 1909
		1909	1899		
Small fruits, total.....	.....	9,687	6,281	26,824,120	\$1,789,214
Strawberries.....	2,282	4,555	2,418	15,694,326	1,149,475
Blackberries and dewberries.....	3,190	2,576	1,960	4,898,524	282,383
Raspberries and loganberries.....	2,524	1,992	987	5,222,117	304,169
Currents.....	364	407	724	852,378	43,508
Gooseberries.....	343	74	133	145,119	9,096
Cranberries.....	12	53	.....	10,656	443
Other berries.....	1	( <sup>1</sup> )	59	1,000	150

<sup>1</sup> Less than 1 acre.

**Orchard fruits, grapes, nuts, and tropical fruits: 1909 and 1899.**—The next table presents data with regard to orchard fruits, grapes, nuts, and tropical fruits. The acreage devoted to these products was not ascertained. In comparing one year with the other the number of trees or vines of bearing age is on the whole a better index of the general changes or tendencies than the quantity of product, but the data for the censuses of 1910 and 1900 are not closely comparable, and the product is therefore compared, although variations may be due largely to temporarily favorable or unfavorable climatic conditions.

The total quantity of orchard fruits produced in 1909 was 31,502,000 bushels, valued at \$18,359,000. Plums and prunes, peaches and nectarines, apples, and apricots are the most important of the orchard fruits. The total value of the tropical fruits produced in 1909 was \$16,752,000, the value of oranges representing more than three-fourths of the total, and the value of lemons being next in importance. The production of grapes in 1909 amounted to 1,979,687,000 pounds, valued at \$10,847,000, and the production of nuts was 28,378,000 pounds, valued at \$2,960,000. Most of the nuts were Persian or English walnuts and almonds.

The value of all orchard fruits produced in California increased from \$14,527,000 in 1899 to \$18,359,000 in 1909; the value of tropical fruits increased from \$7,219,000 in 1899 to \$16,752,000 in 1909, and that of grapes from \$5,623,000 in 1899 to \$10,847,000 in 1909. It should be noted that the values for 1899 include the value of more advanced products derived from orchard and tropical fruits or grapes, such as cider, vinegar, dried fruits, and the like, and may therefore involve some duplication, while the values shown for 1909 relate only to products in their original condition.

<sup>1</sup> It is probable that some of the potatoes and sweet potatoes and yams raised in farm gardens were not reported separately by farmers, but were included in their returns for vegetables.

CROP.	TREES OR VINES OF BEARING AGE: 1910		TREES OR VINES NOT OF BEARING AGE: 1910		PRODUCT.		
	Farms reporting.	Number.	Farms reporting.	Number.	1909		1899
					Quantity.	Value.	Quantity.
<b>Orchard fruits, total.</b>		<b>22,485,195</b>		<b>8,410,062</b>	<b>131,501,507</b>	<b>\$18,358,897</b>	<b>122,690,698</b>
Apples.....	19,671	2,482,762	12,716	1,054,107	6,335,073	2,901,662	3,488,208
Peaches and nectarines.....	21,637	7,829,011	15,231	4,409,562	9,267,118	4,573,775	8,563,427
Pears.....	15,973	1,410,905	8,532	399,093	1,928,097	1,660,963	1,012,825
Plums and prunes.....	18,105	7,108,705	9,735	1,599,939	9,317,979	5,475,539	5,832,036
Cherries.....	9,177	522,304	6,217	300,063	501,013	951,624	318,990
Apricots.....	15,181	2,992,453	9,075	581,524	4,066,823	2,768,921	2,547,064
Quinces.....	4,236	76,979	2,984	65,471	32,638	26,296	(1)
Mulberries.....	154	2,076	1,393	57	52,766	2,147	(2)
Unclassified.....							228,176
<b>Grapes.....</b>	<b>17,793</b>	<b>144,097,670</b>	<b>10,162</b>	<b>39,526,319</b>	<b>1,979,686,525</b>	<b>10,846,812</b>	<b>1,721,433,400</b>
<b>Nuts, total.</b>		<b>2,034,302</b>		<b>921,933</b>	<b>428,378,115</b>	<b>2,959,845</b>	<b>17,775,595</b>
Persian or English walnuts.....	7,357	853,237	6,554	549,894	21,432,296	2,247,193	10,619,975
Almonds.....	6,319	1,106,730	3,680	365,961	6,692,513	700,304	6,992,610
Pecans.....	217	4,226	294	2,793	44,955	4,632	1,220
Black walnuts.....	242	6,582	122	7,905	159,374	2,562	(3)
Franquette.....	4	408	4	617	4,550	910	(4)
Chestnuts.....	146	1,793	117	2,948	37,133	3,474	(5)
Unclassified.....							161,700
<b>Tropical fruits, total.</b>		<b>8,726,005</b>		<b>2,867,870</b>		<b>16,752,101</b>	
Lemons.....	4,820	941,293	3,629	379,676	7,756,221	2,976,571	7,874,305
Japanese persimmons.....	169	3,274	142	8,861	12,696	3,344	1,188
Oranges.....	10,975	6,615,805	8,099	2,095,410	14,456,180	12,951,305	75,882,193
Pomegranates.....	120	1,771	96	2,745	430,075	968	(6)
Pomelos (grapefruit).....	932	43,424	744	25,589	122,515	143,180	17,151
Figs.....	7,846	269,001	5,612	214,527	22,920,353	201,153	10,630,366
Tangerines.....	3,074	836,347	2,018	121,658	16,132,412	501,277	5,940,227
Dates.....	30	325	30	19,552	4,332	418	(7)
Guavas.....	125	7,031	34	443	95,053	4,018	31,370
Mandarins.....	5	351	2	23	755	607	(8)
Tangerines.....	37	3,427	10	54	7,351	4,188	(9)
Loquats.....	175	3,711	125	1,011	4,516	5,830	(10)
Unclassified.....							317,330

<sup>1</sup> Bushels. <sup>2</sup> Included with "unclassified." <sup>3</sup> Consists of products not separately named by the enumerator, but grouped under the designation "all other."

<sup>4</sup> Pounds.

<sup>5</sup> Includes Oou-shue, Chili nuts, Brazil nuts, Japanese chestnuts, beechnuts, hazelnuts, French nuts, Japanese walnuts, pistachio, butternuts, mayette, hickory nuts, filberts, and other nuts.

<sup>6</sup> Includes limes, bananas, and citron.

<sup>7</sup> Boxes.

<sup>8</sup> Not reported.

The following table shows the quantities of the more advanced products manufactured by farmers from orchard and tropical fruits and grapes. Values were not called for on the schedule.

PRODUCT.	FARMS REPORTING: 1909		QUANTITY PRODUCED.		
	Num-ber.	Per cent of all farms.	Unit.	1909	1899
Older.....	481	0.5	Gals...	118,456	75,443
Vinegar.....	973	1.1	Gals...	244,683	199,678
Wine and grape juice.....	2,163	2.5	Gals...	16,065,519	5,492,216
Olive oil.....	78	0.1	Gals...	95,955	
Raisins and dried grapes.....	4,551	5.2	Lbs...	169,210,679	
Other dried fruits.....	8,373	9.5	Lbs...	189,435,705	117,935,727

**Forest products: 1909 and 1899.**—The census schedules for 1910 called for the "value of all firewood, fencing material, logs, railroad ties, telegraph and telephone poles, materials for barrels, bark, naval stores, or other forest products cut or produced in 1909, whether used on farm, sold, or on hand April 15, 1910;" and also, in a separate item, for the "amount received from sale of standing timber in 1909." There were 16,017 farms in California (18.2 per cent of all farms in the state) which reported forest products in 1909, the total value of such products being \$2,949,732, as compared with \$1,724,378 in 1899, an increase

of 71.1 per cent. Of the value in 1909, \$1,048,280 was reported as that of products used or to be used on the farms themselves, \$1,698,978 as that of products sold or for sale, and \$202,474 as the amount received for standing timber. It should be noted that forest products not produced on farms are not included in this report.

**Sugar crops: 1909 and 1899.**—The table below shows data with regard to sugar beets and sorghum cane. The total value of sugar beets produced in 1909 was \$4,321,000, as compared with \$1,550,000 in 1899.

PRODUCT.	FARMS REPORTING.		Acres.	PRODUCT.		
	Num-ber.	Per cent of all farms.		Amount.	Unit.	Value.
Sugar beets:						
1909 <sup>1</sup> .....	1,113	1.3	78,957	\$45,191	Tons...	\$4,320,532
1899.....	863	1.2	41,242	356,535	Tons...	1,550,346
Sorghum cane:						
Total, 1909 <sup>2</sup> .....						14,826
Cane grown.....	48	0.1	647	3,021	Tons...	
Straw made.....	8	(3)		4,330	Gals...	2,340
Total, 1899.....						3,788
Cane grown.....	54	0.1	130	1,088	Tons...	
Cane sold as such.....						
Straw made.....				8,671	Tons...	10
					Gals...	3,773

<sup>1</sup> Includes beets used as root forage.

<sup>2</sup> Includes cane used as coarse forage.

<sup>3</sup> Less than one-tenth of 1 per cent.

**Miscellaneous crops: 1909.**—Straw and cornstalks derived as by-products from the production of grain and corn have a considerable value for feed and other purposes. They are, however, mainly consumed on the farms producing them. The Census Bureau made no attempt to ascertain the total quantity or

value of these products, but the schedules called for the quantity and value of those sold during the year 1909. The returns show that 237 farms in California sold, during 1909, 5,756 tons of straw, for which they received \$23,220, and that 38 farmers sold 534 tons of cornstalks and leaves, for which they received \$10,599.

### SELECTED FARM EXPENSES AND RECEIPTS.

**Farm expenses: 1909 and 1899.**—The next table shows the number of farms reporting expenditures for labor, feed, and fertilizer at the census of 1910, as well as the sums expended in 1909 and 1899.

EXPENSE.	1909			1899	INCREASE.	
	Farms reporting.		Amount.	Amount.	Amount.	Per cent.
	Number.	Per cent of all farms.				
Labor.....	55,887	63.4	\$19,976,199	\$25,845,120	\$24,131,079	93.4
Feed.....	49,372	56.0	12,676,903	(1)		
Fertilizer....	7,470	8.5	2,143,993	937,050	1,206,943	128.8

<sup>1</sup> Not reported at the census of 1900.

Over three-fifths of the farmers hire labor, the average amount expended by the farmers hiring being \$894. During the decade the total expenditure for labor increased \$24,131,000, or 93.4 per cent.

Over a seventh of the amount reported as expended for labor is in the form of rent and board. At prior censuses no tabulation was made of the number of farmers reporting expenditures for labor.

About one farmer out of every two reports some expenditure for feed, but only about eight out of every

hundred purchase fertilizer. The total amount reported as paid for fertilizer has increased \$1,207,000, or 128.8 per cent, during the decade, the average per farm reporting being \$287.

**Receipts from sale of feedable crops: 1909.**—An effort was made at the census of 1910 to secure as complete a statement as possible of the sales as well as the production of the more important feedable crops (that is, crops ordinarily fed to live stock). The following table summarizes the data reported:

CROP.	FARMS REPORTING.		QUANTITY SOLD.		Amount received.
	Number.	Percent of all farms.	Amount.	Unit.	
<b>Total.....</b>					<b>\$21,329,528</b>
Corn.....	1,021	1.2	352,548	Bu.....	234,777
Oats.....	1,287	1.5	2,192,824	Bu.....	1,417,410
Barley.....	4,422	5.1	14,106,453	Bu.....	9,427,240
Hay and coarse forage.....	13,368	15.2	926,123	Tons....	10,190,101

While the total amount expended by California farmers for the purchase of feed in 1909 was \$12,677,000, the total receipts from the sale of feed by those reporting sales amounted to \$21,330,000.

### COUNTY TABLES.

Tables 1 to 6, which follow, present by counties the more important agricultural data collected at the Thirteenth Census, 1910.

Table 1 shows the population, number of farms, land and farm area, value of farm property, and number and value of domestic animals and of poultry and bees, as of April 15, 1910. Comparative data for June 1, 1900, are given in italics for certain items.

Table 2 gives the number of farms, the farm acreage, and the value of farm property operated by owners, tenants, and managers, collected as of April 15, 1910. Statistics of farm mortgages are included in this table. (See explanation in text.) Comparative data for June 1, 1900, are given in italics for certain items.

Table 3 gives statistics pertaining to the products of live stock on farms (dairy products, poultry and

eggs, honey and wax, and wool and mohair); also the number and value of domestic animals sold or slaughtered on farms for the year 1909.

Table 4 shows the total value of farm crops and the principal classes thereof, together with the acreage (or trees of bearing age) and production of the principal crops for the year 1909.

Table 5 gives statistics relating to selected farm expenses for 1909, and also shows the receipts from the sale of feedable crops.

Table 6 shows the number and value of domestic animals in barns and inclosures not on farms, by classes, together with the number of dairy cows and mature horses and mules, on April 15, 1910.

**Change of boundaries.**—In comparing the data secured in 1910 with those for 1900 the following changes in county boundaries should be considered: A part of



Fresno County was annexed to Kings County in 1909, and Imperial County was organized from a part of San Diego County in 1907.

*Changes in 1900 figures.*—After the volumes of the Twelfth Decennial United States Census (1900) had been printed, a further detailed study and analysis of the data there presented brought to light certain errors in the total farm acreage of three counties. These

counties, with their corrected acreages, are Merced, 1,666,973, not 1,702,967; Orange, 425,277, not 599,436; and Sacramento, 501,488, not 668,426.

*Land in farms in Sutter County.*—Following the instructions to assign all of the acreage of a farm to the county in which the residence of the operator was located, a large acreage belonging to adjoining counties has been tabulated as in Sutter County.

TABLE 1.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

	THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.
1 <b>Population</b> .....	2,377,549	246,131	399	9,086	27,391	9,171
2 <i>Population in 1900.</i> .....	<i>1,486,953</i>	<i>159,197</i>	<i>369</i>	<i>11,116</i>	<i>17,117</i>	<i>11,200</i>
3 <b>Number of all farms.</b> .....	88,197	2,422	42	537	1,500	632
4 <i>Number of all farms in 1900.</i> .....	<i>72,842</i>	<i>2,787</i>	<i>37</i>	<i>569</i>	<i>1,179</i>	<i>576</i>
5 <b>Color and nativity of farmers:</b>						
6 Native white.....	58,926	866	24	387	1,204	420
7 Foreign-born white.....	26,193	1,490	16	145	274	207
8 Negro and other nonwhite.....	3,078	66	2	5	22	5
9 <b>Number of farms, classified by size:</b>						
10 Under 3 acres.....	1,269	148	.....	2	.....	.....
11 3 to 9 acres.....	9,324	589	.....	13	116	25
12 10 to 19 acres.....	11,932	405	.....	19	186	48
13 20 to 49 acres.....	20,614	423	.....	1	321	14
14 50 to 99 acres.....	10,650	294	3	52	143	45
15 100 to 174 acres.....	12,015	238	4	145	229	171
16 175 to 259 acres.....	4,689	116	9	64	127	60
17 260 to 499 acres.....	7,862	163	14	105	171	127
18 500 to 999 acres.....	3,119	91	3	58	116	80
19 1,000 acres and over.....	4,093	44	8	38	98	62
20 <b>LAND AND FARM AREA</b> .....acres.						
21 Approximate land area.....	99,617,280	468,480	496,640	384,640	1,102,080	637,280
22 Land in farms.....	27,931,444	311,327	32,004	291,730	490,777	271,401
23 <i>Land in farms in 1900.</i> .....	<i>28,828,591</i>	<i>398,289</i>	<i>15,681</i>	<i>214,024</i>	<i>677,080</i>	<i>219,880</i>
24 Improved land in farms.....	11,389,994	177,914	7,579	46,969	247,097	95,104
25 <i>Improved land in farms in 1900.</i> .....	<i>11,959,158</i>	<i>229,153</i>	<i>4,391</i>	<i>48,699</i>	<i>292,059</i>	<i>111,029</i>
26 Woodland in farms.....	4,541,767	51,484	7,597	114,960	119,126	149,642
27 Other unimproved land in farms.....	11,999,783	82,529	16,828	129,801	124,554	62,655
28 Per cent of land area in farms.....	28.0	66.5	6.4	75.8	44.5	41.3
29 Per cent of farm land improved.....	40.8	57.0	23.7	16.1	50.3	21.8
30 Average acres per farm.....	316.7	128.5	762.0	543.3	327.2	429.4
31 Average improved acres per farm.....	120.1	73.2	180.5	87.5	164.7	93.5
32 <b>VALUE OF FARM PROPERTY</b> .....dollars.						
33 <i>All farm property in 1900.</i> .....	<i>1,614,694,584</i>	<i>30,840,669</i>	<i>811,442</i>	<i>4,820,890</i>	<i>24,086,440</i>	<i>3,973,409</i>
34 <i>Per cent increase, 1900-1910.</i> .....	<i>796,657,955</i>	<i>34,619,639</i>	<i>334,441</i>	<i>3,318,850</i>	<i>15,635,404</i>	<i>2,835,659</i>
35 <i>100.7</i> .....	<i>102.7</i>	<i>6.4</i>	<i>150.1</i>	<i>45.3</i>	<i>65.0</i>	<i>70.1</i>
36 <b>Land</b> .....dollars.	1,317,195,448	29,537,208	530,968	3,252,895	19,404,863	2,376,303
37 <i>Land in 1900.</i> .....	<i>630,444,960</i>	<i>28,751,890</i>	<i>198,100</i>	<i>2,185,150</i>	<i>12,400,630</i>	<i>1,839,510</i>
38 Buildings.....	133,406,040	4,463,555	88,475	589,925	2,281,132	664,000
39 <i>Buildings in 1900.</i> .....	<i>17,468,990</i>	<i>5,485,510</i>	<i>45,400</i>	<i>495,650</i>	<i>1,434,870</i>	<i>437,190</i>
40 Implements and machinery.....	96,498,158	817,861	30,465	141,379	532,320	138,905
41 <i>Implements, etc., in 1900.</i> .....	<i>21,311,670</i>	<i>789,040</i>	<i>10,610</i>	<i>167,180</i>	<i>489,890</i>	<i>89,890</i>
42 Domestic animals, poultry, and bees.....	127,599,938	2,022,045	161,594	836,610	1,868,125	794,201
43 <i>Domestic animals, etc., in 1900.</i> .....	<i>67,308,323</i>	<i>1,602,596</i>	<i>79,131</i>	<i>510,890</i>	<i>1,200,614</i>	<i>425,989</i>
44 <b>Per cent of value of all property in—</b>						
45 Land.....	81.6	80.2	65.4	67.5	80.6	59.8
46 Buildings.....	8.3	12.1	10.9	12.2	9.5	16.7
47 Implements and machinery.....	2.3	2.2	3.7	2.9	2.2	3.5
48 Domestic animals, poultry, and bees.....	7.9	5.5	19.9	17.4	7.8	20.0
49 <b>Average values:</b>						
50 All property per farm.....	18,308	15,211	19,320	8,977	16,058	6,287
51 Land and buildings per farm.....	16,447	14,038	14,749	7,156	14,457	4,811
52 Land per acre.....	47.16	54.38	16.59	11.15	39.54	8.76
53 <i>Land per acre in 1900.</i> .....	<i>21.87</i>	<i>72.19</i>	<i>12.63</i>	<i>10.21</i>	<i>18.10</i>	<i>6.56</i>
54 <b>DOMESTIC ANIMALS (farms and ranges)</b>						
55 Farms reporting domestic animals.....	80,304	2,197	40	504	1,305	613
56 Value of domestic animals.....	123,024,652	1,880,344	160,323	823,899	1,817,904	779,690
57 <b>Cattle:</b>						
58 Total number.....	2,077,025	24,819	2,754	22,266	26,584	20,977
59 Dairy cows.....	467,332	9,179	759	2,747	4,713	1,834
60 Other cows.....	576,909	5,827	661	7,985	8,359	8,407
61 Yearling heifers.....	218,480	2,609	485	2,175	2,605	2,432
62 Calves.....	267,799	4,113	426	3,444	3,772	3,355
63 Yearling steers and bulls.....	163,728	1,107	460	1,970	2,109	2,057
64 Other steers and bulls.....	321,954	1,491	23	3,945	4,660	2,902
65 Value.....	52,785,068	611,907	58,619	506,380	673,968	422,395
66 <b>Horses:</b>						
67 Total number.....	468,886	10,644	426	2,685	7,655	3,648
68 Mature horses.....	402,584	9,266	376	2,291	6,068	3,143
69 Yearling colts.....	41,927	842	38	218	645	302
70 Spring colts.....	23,037	536	12	176	402	203
71 Value.....	47,099,196	1,151,631	36,825	233,128	685,441	264,717
72 <b>Mules:</b>						
73 Total number.....	69,761	227	18	239	1,961	63
74 Mature mules.....	61,997	223	18	212	1,719	25
75 Yearling colts.....	4,913	.....	.....	10	13	13
76 Spring colts.....	2,851	.....	.....	17	91	25
77 Value.....	9,016,444	28,545	1,420	27,590	225,465	3,920
78 <b>Asses and burros:</b>						
79 Number.....	2,592	3	14	23	18	27
80 Value.....	347,315	48	200	458	2,655	1,850
81 <b>Swine:</b>						
82 Total number.....	796,551	6,410	517	5,296	14,333	4,174
83 Mature hogs.....	482,810	3,640	309	3,623	9,317	2,588
84 Spring pigs.....	283,741	2,770	208	1,673	5,016	1,586
85 Value.....	5,106,803	55,333	2,515	32,647	83,927	24,308
86 <b>Sheep:</b>						
87 Total number.....	2,417,477	9,187	16,640	6,645	45,077	15,360
88 Rams, ewes, and wethers.....	1,525,288	5,680	9,832	3,919	29,137	10,145
89 Spring lambs.....	892,189	3,507	6,808	2,726	15,940	5,215
90 Value.....	8,348,997	32,559	61,200	20,023	138,092	54,509
91 <b>Goats:</b>						
92 Number.....	138,413	64	10	1,507	3,215	3,348
93 Value.....	320,829	321	44	3,673	8,356	7,931
94 <b>POULTRY AND BEES</b>						
95 Number of poultry of all kinds.....	6,087,267	240,914	2,159	23,630	74,982	23,242
96 Value.....	3,844,526	139,569	1,139	12,380	45,750	13,519
97 Number of colonies of bees.....	201,023	610	49	170	1,384	362
98 Value.....	725,738	2,112	132	331	4,471	992

1 Change of boundary. (See explanation at close of text.)

2 Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

# STATISTICS OF AGRICULTURE.

639

BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in italics.]

	Colusa.	Contra Costa.	Del Norte.	Eldorado.	Fresno. <sup>1</sup>	Glenn.	Humboldt. <sup>2</sup>	Imperial. <sup>3</sup>	Inyo.	Kern.	Kings. <sup>1</sup>	Lake.
1	7,732	31,674	2,417	7,492	75,657	7,172	33,857	13,591	6,974	37,715	16,230	5,526
2	7,994	18,046	2,408	8,988	57,562	6,150	27,104	(1)	4,877	16,480	9,871	6,017
3	667	1,465	114	716	6,215	643	1,534	1,322	438	1,167	1,837	603
4	682	1,811	151	759	5,200	620	1,600	(1)	424	1,068	1,332	723
5	547	712	62	551	3,968	502	856	1,077	313	818	1,312	478
6	112	715	46	143	150	160	288	1,077	313	818	1,312	478
7	8	38	6	15	244	1	64	102	27	51	45	5
8	1	18			6		10	51	2	11		1
9	31	118			267	40	78	46	2	6		10
10	35	127	6	21	598	33	107	56	23	57	159	38
11	85	221	6	60	3,240	106	280	182	55	320	643	85
12	42	158	13	88	951	65	245	227	75	173	377	80
13	90	256	31	212	609	79	334	406	113	222	287	144
14	30	147	11	100	142	31	118	98	41	55	77	60
15	129	206	23	122	202	101	147	201	54	116	133	84
16	101	140	10	52	89	51	22	82	22	82	42	57
17	120	74	9	35	111	119	131	10	20	85	43	48
18	729,600	456,960	655,360	1,121,920	3,808,000	805,760	2,325,760	2,616,960	6,412,160	5,121,920	741,760	817,920
19	522,376	406,433	35,947	210,881	1,106,616	491,198	642,536	223,642	110,142	1,403,240	373,823	217,404
20	550,008	406,663	35,116	200,550	1,864,736	677,563	645,511	(1)	141,659	1,371,168	387,806	215,176
21	336,508	262,152	12,459	41,638	580,205	309,765	38,690	176,069	38,690	315,587	196,000	49,180
22	358,827	262,617	8,787	45,481	788,537	355,781	77,238	(1)	141,659	1,371,168	387,806	215,176
23	38,252	28,766	10,574	137,057	93,194	67,665	174,354	1,138	1,131	235,014	6,724	71,388
24	147,615	115,515	12,994	32,142	423,217	113,768	362,934	46,395	69,813	552,919	170,530	103,308
25	71.6	83.9	5.5	18.8	23.1	61.0	27.6	8.5	1.7	17.4	50.4	26.6
26	64.4	64.5		19.8	53.3	63.1	78.7	16.4	35.1	22.5	52.6	19.7
27	783.2	277.4	315.5	294.5	177.2	740.3	418.9	169.1	251.5	1,202.5	303.5	306.6
28	504.5	178.9	108.1	58.2	94.5	467.2	68.6	133.2	88.4	270.3	107.0	79.9
29	19,602,280	31,812,192	1,770,222	3,775,358	92,583,058	16,581,410	21,280,881	23,646,067	7,112,903	30,405,013	53,312,232	6,271,615
30	15,054,185	18,874,387	1,021,010	2,690,474	45,820,479	10,290,500	13,421,799	(1)	2,571,629	14,216,125	5,261,907	5,496,050
31	50.2	68.6	73.4	45.7		61.0	60.3		176.6	113.4		79.4
32	16,066,035	26,556,160	1,358,300	2,343,931	75,136,654	13,425,220	16,378,032	19,832,660	5,210,586	23,962,202	26,007,591	4,792,480
33	10,885,590	15,655,110	687,880	1,646,240	34,201,504	8,475,830	9,824,550	(1)	1,684,760	10,404,610	5,490,410	2,419,280
34	1,204,780	2,433,375	171,380	749,745	6,861,289	1,110,215	2,051,325	764,065	558,740	1,232,139	2,145,975	782,735
35	885,420	1,675,700	121,840	666,190	8,068,140	716,510	1,282,890	(1)	517,090	814,130	811,900	624,180
36	419,557	680,520	45,265	162,185	3,228,700	390,343	444,280	479,535	189,810	614,028	654,971	207,211
37	417,690	401,560	55,180	116,820	1,858,590	209,620	311,020	(1)	56,590	317,610	318,580	111,480
38	1,911,836	2,062,137	192,277	519,497	7,536,400	1,655,615	2,354,044	2,589,297	1,153,767	4,576,644	4,963,755	485,189
39	915,025	1,240,897	176,240	361,804	5,941,919	806,540	2,123,049	(1)	674,229	2,825,385	1,541,217	440,210
40	82.0	83.6	76.7	62.1	81.2	81.0	77.1	83.9	73.3	78.8	78.1	76.4
41	6.1	7.8	9.7	19.9	7.4	6.7	9.7	3.2	7.9	4.1	6.4	12.5
42	2.1	2.1	4.3	2.7	3.5	2.1	2.1	2.7	2.9	2.0	2.0	2.3
43	9.8	6.5	10.9	13.8	7.9	10.0	11.1	10.9	16.2	15.1	13.5	7.8
44	29,380	21,715	15,528	5,273	14,825	25,010	13,840	17,887	16,240	26,054	18,134	10,401
45	25,333	19,550	13,418	4,321	13,130	27,324	13,172	13,172	21,606	15,326	9,246	9,246
46	30.76	65.41	37.79	11.11	67.90	25.49	88.50	(1)	47.31	17.08	69.57	22.04
47	19.79	58.25	20.77	7.39	26.62	14.63	14.63	(1)	11.23	6.62	8.83	11.40
48	628	1,387	110	660	5,874	618	1,494	1,249	1,133	1,749		569
49	1,874,086	1,985,354	189,879	505,751	7,205,676	1,623,566	2,318,676	2,510,214	1,104,481	4,509,038	4,426,411	471,428
50	* 18,750	26,529	6,857	13,048	127,625	* 16,214	* 53,775	* 22,741	20,308	* 118,320	74,975	7,414
51	3,128	9,469	3,575	22,241	3,683	21,572	9,653	2,267	6,917	18,593	1,457	4,157
52	6,571	6,567	620	4,338	42,001	3,601	7,837	2,728	8,970	38,101	21,655	2,113
53	2,140	3,240	849	1,633	13,117	1,910	5,531	2,560	2,583	8,441	7,281	821
54	2,008	4,479	1,306	2,154	12,682	2,409	2,772	2,255	7,772	18,733	1,133	1,133
55	1,556	1,123	273	1,138	15,354	1,925	3,413	1,379	2,445	6,459	3,745	574
56	2,619	1,651	234	912	22,230	2,051	6,590	1,817	1,788	24,271	14,908	1,286
57	* 429,618	647,877	137,380	254,898	3,288,420	* 365,093	* 1,363,050	* 865,001	428,833	* 3,051,957	2,481,281	148,781
58	4,732	11,233	441	2,544	25,009	3,946	6,403	7,229	5,032	* 10,347	11,473	2,492
59	3,992	9,944	382	2,274	22,063	3,319	5,851	6,277	4,074	8,670	9,147	2,172
60	481	1,095	45	180	1,899	339	421	550	355	987	1,174	216
61	259	641	14	90	1,047	192	372	403	403	539	832	104
62	428,700	1,136,119	37,265	202,610	2,853,216	* 357,207	591,639	798,317	453,277	* 1,013,562	1,256,415	210,382
63	5,291	651	3	112	3,979	3,262	189	1,672	337	1,248	1,069	263
64	4,607	666	3	93	3,498	3,033	189	1,583	249	1,059	855	183
65	437	63		9	208			69	65	103	142	45
66	247	24		10	183	122		20	33	46	72	36
67	629,345	78,810	475	10,130	534,660	407,327	13,940	233,196	31,960	146,095	148,430	22,015
68	65	6		17	101	29	11	56	309	130	23	10
69	15,275	4,266		2,895	34,883	17,625	350	1,569	5,845	12,543	10,077	2,730
70	28,064	6,941	1,770	2,401	33,150	18,310	12,633	70,562	3,755	20,513	40,633	8,038
71	17,666	3,887	1,153	1,428	20,134	12,483	7,688	45,764	1,295	13,376	22,775	5,801
72	10,418	3,054	617	973	13,016	5,827	4,945	24,798	1,560	7,137	17,858	2,737
73	161,174	44,330	8,451	16,502	230,325	106,475	53,457	503,164	21,631	167,439	295,301	39,239
74	64,592	19,595	1,841	3,162	142,011	111,363	87,073	23,339	43,346	30,317	62,374	10,947
75	39,801	14,132	1,341	1,763	94,757	70,210	62,423	13,786	17,240	19,801	40,483	7,498
76	24,791	5,403	500	1,399	47,254	41,153	24,650	9,553	26,106	10,516	21,801	3,311
77	202,703	73,577	5,063	11,580	555,057	363,893	278,763	108,504	156,319	114,137	233,005	27,167
78	2,154	17	465	3,315	4,558	2,813	3,747	147	2,846	930	507	9,018
79	7,271	76	1,246	7,136	8,485	5,976	12,477	463	6,596	3,305	1,902	21,114
80	61,113	118,944	3,911	24,308	213,108	50,336	54,834	72,252	30,132	75,900	102,747	27,435
81	35,372	64,673	2,175	12,667	116,504	30,715	30,037	54,178	20,590	51,438	59,708	17,086
82	1,406	666	78	1,809	6,942	1,809	4,740	4,740	4,740	4,740	4,740	4,740
83	4,378	2,110	223	1,079	34,859	1,840	5,331	24,876	28,696	16,168	17,630	675

\* Includes Belgian hares, valued at \$367.

\* Includes Belgian hares, valued at \$3.

\* Includes animals, age or sex not specified.

TABLE 1.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in Italics.]

	Lassen.	Los Angeles.	Madera.	Marin.	Mariposa.	Mendocino. <sup>1</sup>	Merced.	Modoc.
1 <b>Population</b> .....	4,802	504,131	8,308	25,114	3,956	23,929	15,148	6,191
2 <i>Population in 1900.</i> .....	<i>4,611</i>	<i>470,293</i>	<i>6,364</i>	<i>16,702</i>	<i>4,750</i>	<i>20,495</i>	<i>9,215</i>	<i>5,076</i>
3 <b>Number of all farms.</b> .....	502	7,919	573	498	330	1,356	1,856	736
4 <i>Number of all farms in 1900.</i> .....	<i>655</i>	<i>6,677</i>	<i>623</i>	<i>462</i>	<i>381</i>	<i>1,452</i>	<i>999</i>	<i>638</i>
5 <b>Color and nativity of farmers:</b>								
6 Native white.....	412	5,682	419	338	253	966	1,054	639
7 Foreign-born white.....	77	1,613	131	360	63	363	780	80
8 Negro and other nonwhite.....	13	624	23	.....	14	27	22	17
9 <b>Number of farms, classified by size:</b>								
10 Under 3 acres.....	.....	438	.....	6	.....	.....	1	5
11 3 to 9 acres.....	9	2,125	13	35	1	42	86	18
12 10 to 19 acres.....	4	1,830	21	49	4	61	213	13
13 20 to 49 acres.....	12	1,709	36	36	4	166	604	21
14 50 to 99 acres.....	32	698	23	30	21	151	295	44
15 100 to 174 acres.....	117	531	151	35	97	334	165	229
16 175 to 299 acres.....	51	192	27	40	15	131	46	48
17 300 to 499 acres.....	130	207	66	72	101	193	89	171
18 500 to 999 acres.....	84	114	59	111	51	124	100	92
19 1,000 acres and over.....	63	85	137	79	36	154	167	75
<b>LAND AND FARM AREA</b>								
20 Approximate land area.....	2,869,840	2,602,880	1,351,680	338,560	936,320	2,204,927	1,276,800	2,446,720
21 Land in farms.....	285,728	753,131	620,063	293,442	296,059	721,325	1,162,167	410,134
22 <i>Land in farms in 1900.</i> .....	<i>351,109</i>	<i>695,693</i>	<i>654,569</i>	<i>329,574</i>	<i>410,166</i>	<i>719,621</i>	<i>1,170,927</i>	<i>298,736</i>
23 Improved land in farms.....	122,057	418,998	391,096	93,115	37,017	82,578	607,742	164,784
24 <i>Improved land in farms in 1900.</i> .....	<i>138,666</i>	<i>418,714</i>	<i>277,721</i>	<i>47,553</i>	<i>14,003</i>	<i>73,507</i>	<i>615,376</i>	<i>122,647</i>
25 Woodland in farms.....	27,688	18,381	41,612	49,978	85,156	49,738	49,818	75,698
26 Other unimproved land in farms.....	135,983	320,936	187,963	120,449	83,882	390,669	504,607	169,682
27 Per cent of land area in farms.....	10.2	29.1	45.9	77.8	22.0	32.6	91.0	16.8
28 Per cent of farm land improved.....	41.3	55.3	63.0	18.0	11.4	52.3	40.2	40.2
29 Average acres per farm.....	589.1	95.7	1,083.2	529.0	634.4	532.0	636.2	557.9
30 Average Improved acres per farm.....	243.1	82.9	682.5	187.0	112.2	60.9	327.4	223.9
<b>VALUE OF FARM PROPERTY</b>								
31 All farm property.....	\$9,376,809	\$99,985,200	\$14,934,395	\$12,426,158	\$2,829,235	\$14,659,467	\$49,520,913	\$11,376,293
32 <i>All farm property in 1900.</i> .....	<i>\$6,365,616</i>	<i>74,817,645</i>	<i>\$6,916,894</i>	<i>10,896,511</i>	<i>1,332,151</i>	<i>8,687,516</i>	<i>22,658,839</i>	<i>\$6,363,827</i>
33 <i>Per cent increase, 1900-1910.</i> .....	<i>74.8</i>	<i>167.3</i>	<i>153.3</i>	<i>14.4</i>	<i>113.0</i>	<i>70.7</i>	<i>118.8</i>	<i>112.1</i>
34 Land.....	6,331,832	180,354,798	12,263,638	9,381,625	1,817,100	10,774,439	40,047,324	7,379,085
35 <i>Land in 1900.</i> .....	<i>2,849,510</i>	<i>64,189,250</i>	<i>4,588,770</i>	<i>8,350,450</i>	<i>752,090</i>	<i>8,840,250</i>	<i>18,449,650</i>	<i>2,836,390</i>
36 Buildings.....	765,460	11,798,273	771,095	1,156,830	276,186	1,816,135	2,338,587	1,094,180
37 <i>Buildings in 1900.</i> .....	<i>708,010</i>	<i>6,702,710</i>	<i>435,650</i>	<i>914,040</i>	<i>297,510</i>	<i>1,051,680</i>	<i>981,040</i>	<i>521,940</i>
38 Implements and machinery.....	289,287	2,462,357	411,455	348,482	79,403	375,049	804,625	365,550
39 <i>Implements, etc., in 1900.</i> .....	<i>256,220</i>	<i>1,455,050</i>	<i>214,700</i>	<i>307,110</i>	<i>69,990</i>	<i>219,630</i>	<i>501,480</i>	<i>174,800</i>
40 Domestic animals, poultry, and bees.....	1,990,250	\$4,482,742	\$1,507,707	\$1,541,221	656,552	1,693,844	6,330,377	2,627,448
41 <i>Domestic animals, etc., in 1900.</i> .....	<i>1,452,876</i>	<i>2,452,666</i>	<i>660,674</i>	<i>1,414,651</i>	<i>306,491</i>	<i>1,445,649</i>	<i>2,701,689</i>	<i>1,842,367</i>
42 <b>Per cent of value of all property in—</b>								
43 Land.....	67.5	90.2	81.8	75.5	64.7	73.5	89.9	64.9
44 Buildings.....	8.2	5.9	5.1	9.3	9.8	12.4	4.7	8.8
45 Implements and machinery.....	3.1	2.2	2.9	2.8	2.6	2.6	3.2	3.2
46 Domestic animals, poultry, and bees.....	21.2	2.7	10.1	12.4	23.2	11.6	12.3	23.1
47 <b>Average values:</b>								
48 All property per farm.....	18,679	25,255	26,151	24,962	8,573	10,811	26,682	15,437
49 Land and buildings per farm.....	14,138	24,465	22,909	21,168	9,346	9,283	22,837	11,390
50 Land per acre.....	21.41	237.94	19.76	35.62	8.82	14.94	34.46	17.99
51 <i>Land per acre in 1900.</i> .....	<i>7.74</i>	<i>71.67</i>	<i>9.47</i>	<i>25.84</i>	<i>4.70</i>	<i>7.86</i>	<i>10.63</i>	<i>9.46</i>
<b>DOMESTIC ANIMALS (farms and ranges)</b>								
52 Farms reporting domestic animals.....	459	6,544	539	478	316	1,306	1,733	704
53 Value of domestic animals.....	\$1,979,199	\$4,734,457	\$1,493,568	\$1,436,975	\$647,733	\$1,657,805	\$6,266,477	\$2,612,918
54 <b>Cattle:</b>								
55 Total number.....	43,832	43,695	\$27,905	\$39,966	\$16,671	\$30,154	\$105,467	\$46,916
56 Dairy cows.....	2,890	20,524	1,592	24,803	905	6,454	19,678	2,903
57 Other cows.....	18,444	8,027	12,406	3,564	7,477	9,280	43,250	18,502
58 Yearling steers.....	5,975	5,561	2,425	2,880	1,602	3,054	14,858	6,837
59 Calves.....	4,906	6,211	2,975	6,509	2,115	3,980	14,025	4,608
60 Yearling steers and bulls.....	5,456	1,666	2,252	567	1,683	2,503	11,036	6,517
61 Other steers and bulls.....	6,161	1,106	3,946	641	2,876	4,883	34,767	7,449
62 Value.....	\$71,941	\$1,473,509	\$582,792	\$1,046,404	\$370,521	\$97,588	\$4,348,845	\$1,005,026
63 <b>Horses:</b>								
64 Total number.....	9,515	22,424	4,070	2,558	2,240	5,994	12,556	\$15,636
65 Mature horses.....	7,548	20,375	3,498	2,338	1,896	5,300	10,308	12,247
66 Yearling colts.....	1,406	1,376	334	164	218	510	1,453	2,212
67 Spring colts.....	93	673	288	156	126	184	970	970
68 Value.....	702,420	\$2,479,207	\$386,856	\$248,075	\$182,966	\$41,605	\$1,063,537	\$1,145,568
69 <b>Mules:</b>								
70 Total number.....	702	2,570	3,141	11	296	309	4,075	1,132
71 Mature mules.....	414	2,459	2,938	11	203	288	3,678	1,049
72 Yearling colts.....	185	76	154	.....	46	10	198	441
73 Spring colts.....	103	35	59	.....	49	1	204	126
74 Value.....	60,651	\$90,200	\$454,606	980	30,455	27,421	\$82,209	\$93,005
75 <b>Asses and burros:</b>								
76 Number.....	119	84	49	.....	83	29	167	98
77 Value.....	20,220	3,806	9,301	.....	10,183	1,240	17,432	26,511
78 <b>Swine:</b>								
79 Total number.....	5,034	28,942	6,853	16,069	8,882	22,069	29,585	8,488
80 Mature hogs.....	3,079	18,418	4,444	8,812	6,160	14,600	19,414	5,328
81 Spring pigs.....	1,955	10,524	2,409	7,287	2,722	7,469	10,121	3,160
82 Value.....	30,513	\$230,394	\$6,151	\$126,569	\$6,704	\$102,615	\$185,474	\$53,596
83 <b>Sheep:</b>								
84 Total number.....	72,725	31,091	10,106	2,955	1,151	129,770	39,768	76,562
85 Rams, ewes, and wethers.....	42,490	22,261	6,269	1,930	877	88,760	28,044	46,078
86 Spring lambs.....	30,235	8,830	3,837	1,025	278	41,010	11,724	30,484
87 Value.....	\$91,592	\$136,536	\$23,145	\$14,391	\$4,409	\$37,121	\$152,708	\$286,852
88 <b>Goats:</b>								
89 Number.....	586	8,238	278	147	931	3,927	5,246	549
90 Value.....	1,852	20,639	717	556	2,365	10,215	21,272	2,931
<b>POULTRY AND BEES</b>								
91 Number of poultry of all kinds.....	19,267	513,965	23,246	203,277	12,217	56,807	83,998	23,889
92 Value.....	\$9,557	\$47,968	\$13,024	\$104,178	\$8,668	\$4,663	\$1,948	\$11,666
93 Number of colonies of bees.....	298	25,930	375	20	34	441	4,072	839
94 Value.....	1,074	99,762	1,115	68	151	1,374	11,957	3,064

<sup>1</sup> Agricultural data for Indians on reservations in 1900 shown separately in last column of table.<sup>2</sup> Change of boundary. (See explanation at end of text.)

## STATISTICS OF AGRICULTURE.

641

BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Monro.	Monterey.	Napa.	Nevada.	Orange.	Placer.	Plumas.	Riverside.	Sacra- mento.	San Benito.	San Bernardino.	San Diego.*	San Francisco.
1	2,042	24,146	19,800	14,955	34,436	18,237	5,279	34,696	67,806	8,041	56,701	61,665	416,912
2	2,167	19,580	16,451	17,739	19,636	16,788	4,637	17,897	45,915	6,653	27,229	35,690	342,752
3	91	1,658	1,537	544	3,165	1,062	221	2,688	1,691	921	2,440	2,298	157
4	112	1,850	1,336	622	2,383	1,076	267	2,540	1,332	907	2,550	2,693	304
5	44	933	1,006	349	2,362	619	155	2,044	885	616	2,365	1,591	30
6	42	676	527	184	181	263	63	517	485	289	567	586	118
7	5	49	4	11	85	193	3	127	231	16	17	121	9
8	-----	11	14	7	28	2	-----	42	12	7	76	20	60
9	3	69	136	61	531	52	6	402	167	87	567	236	50
10	1	71	223	36	802	109	5	596	237	83	918	348	7
11	1	182	355	77	1,043	289	9	614	321	118	703	414	15
12	4	185	226	69	351	306	12	822	170	93	278	265	11
13	27	263	223	88	175	174	45	262	223	107	209	337	4
14	12	127	71	53	60	69	92	56	56	70	146	1	1
15	16	282	112	84	86	75	37	166	173	144	75	246	-----
16	10	225	84	41	52	50	46	104	111	109	35	146	-----
17	17	243	72	28	37	36	42	81	91	117	18	129	-----
18	1,339,200	2,131,200	501,120	623,360	508,800	892,800	1,660,160	4,633,600	629,120	890,880	12,900,480	2,701,440	27,520
19	116,672	1,147,416	360,480	175,398	371,692	428,080	134,259	520,806	473,044	544,301	208,496	834,426	2,091
20	180,063	1,087,026	319,387	180,743	1,659,436	440,371	184,449	427,067	512,719	512,719	219,152	849,419	8,419
21	43,382	371,529	101,114	24,582	189,463	88,608	54,281	278,151	275,082	186,573	136,625	234,045	1,562
22	66,258	373,605	101,866	24,828	236,847	191,063	67,551	166,053	327,169	168,698	96,280	289,791	5,829
23	8,303	140,377	193,578	48,449	4,470	32,194	27,238	30,231	20,904	52,466	23,137	71,020	289
24	63,987	635,530	65,583	102,407	177,753	117,278	52,740	212,424	176,398	305,262	48,634	529,361	240
25	6.0	53.8	72.0	28.1	73.1	27.8	8.1	11.2	75.2	61.1	1.6	30.9	7.6
26	37.5	32.4	28.0	14.0	51.0	39.7	40.4	53.4	58.3	34.3	65.6	28.0	74.7
27	2,271.1	692.0	234.6	322.4	117.4	233.6	607.9	103.8	591.0	202.6	46.3	101.8	15.3
28	476.7	224.1	65.8	45.1	50.9	35.9	245.6	103.5	172.2	202.6	46.3	101.8	9.9
29	2,347,797	35,021,690	18,082,096	3,022,685	44,357,852	10,234,101	3,362,955	46,203,795	36,694,682	14,963,867	68,499,103	31,124,814	2,630,428
30	1,175,745	19,409,748	12,337,046	1,937,610	22,367,896	6,647,761	2,859,876	21,644,081	19,326,686	8,117,065	24,656,408	18,546,677	2,407,823
31	99.7	80.4	4.6	55.2	188.0	56.3	50.1	113.5	89.9	64.1	177.8	-----	9.2
32	1,587,813	27,885,000	13,086,450	1,817,417	55,952,755	7,747,744	2,201,654	39,363,652	40,245,404	11,272,156	60,681,348	23,934,722	2,097,111
33	619,040	15,632,700	8,955,780	1,119,590	18,633,610	4,839,730	1,211,659	18,488,110	15,189,370	7,667,190	21,000,370	14,153,960	1,856,600
34	154,700	2,178,728	3,365,470	664,400	4,660,735	1,399,840	532,156	3,666,688	3,205,416	1,336,855	5,238,858	3,337,382	326,789
35	87,580	1,353,700	2,181,620	447,610	5,177,610	938,620	387,010	1,999,830	2,159,670	622,520	2,675,190	2,170,190	228,100
36	45,345	811,586	500,921	132,557	1,148,222	320,083	123,300	1,112,180	786,330	391,058	1,077,451	851,591	68,270
37	86,440	606,400	357,880	102,010	466,600	225,000	87,240	390,830	628,780	272,039	556,360	653,580	71,000
38	589,939	4,146,316	1,128,959	408,011	2,596,080	766,344	505,845	2,061,265	2,277,479	1,963,798	1,501,046	3,001,109	138,258
39	642,965	1,980,342	871,692	280,030	1,179,416	437,351	644,096	766,791	1,448,349	305,498	687,662	1,908,817	525,865
40	67.6	79.6	72.4	60.1	86.9	75.7	65.5	85.2	82.9	75.3	88.6	76.9	79.7
41	6.6	6.2	18.6	22.0	7.2	13.7	15.8	7.9	8.7	8.9	7.6	10.7	12.4
42	1.9	2.3	2.8	4.4	1.8	3.1	3.7	2.4	2.1	2.6	1.6	2.7	2.6
43	23.9	11.5	6.2	15.5	4.0	7.5	15.0	4.5	6.2	13.1	2.2	9.6	5.3
44	25,800	21,123	11,764	5,556	20,334	9,637	15,217	17,180	22,920	16,247	23,228	13,544	16,754
45	19,148	18,133	10,703	4,562	19,151	8,614	12,370	16,008	21,006	13,691	22,353	11,968	15,439
46	13.73	24.30	36.29	10.36	150.54	31.23	16.40	75.58	64.32	20.71	28.63	1,002.92	1,002.92
47	2.79	11.35	37.95	9.25	30.92	10.99	6.27	43.29	22.72	13.76	96.83	17.48	225.70
48	85	1,582	1,395	507	2,862	994	207	2,182	1,494	863	2,278	2,170	106
49	556,310	4,069,857	1,065,349	393,204	2,453,758	737,464	499,089	1,937,237	2,187,810	1,909,386	1,406,523	2,790,287	111,230
50	5,301	*88,583	*15,806	8,606	18,220	47,510	11,401	19,468	*31,188	*39,703	12,761	58,777	2,510
51	450	11,966	6,270	2,305	6,184	2,421	421	4,328	11,979	4,328	10,043	10,633	1,645
52	2,270	27,626	3,943	2,950	4,473	2,283	1,954	4,440	5,484	11,064	4,309	15,815	10
53	803	11,046	1,943	832	2,124	1,461	561	2,493	3,195	4,459	1,075	7,874	581
54	666	13,806	2,518	1,069	2,231	1,204	1,586	2,246	5,568	5,864	926	8,088	174
55	7,635	7,602	7,738	1,493	1,168	428	1,468	1,333	1,529	4,181	481	6,600	75
56	427	13,133	937	865	2,040	532	1,395	3,755	1,961	8,987	2,847	9,877	25
57	107,941	*2,079,939	*395,724	174,067	506,511	*182,827	279,651	484,082	*538,431	*639,660	335,713	1,356,502	77,015
58	2,097	*17,444	5,010	*2,074	10,565	4,193	2,044	10,315	9,969	8,475	6,878	11,493	319
59	1,655	14,172	5,145	1,830	9,580	3,762	1,770	8,969	8,770	6,921	6,339	9,663	318
60	310	1,993	528	124	760	294	206	943	773	955	372	1,130	-----
61	132	1,268	237	70	225	137	68	403	426	599	167	705	1
62	175,894	*1,676,690	540,655	*161,139	1,333,440	398,692	200,409	1,157,357	1,022,355	843,985	599,851	1,262,993	32,480
63	136	642	372	68	2,228	498	43	1,429	743	96	773	766	-----
64	73	546	345	57	2,223	459	41	1,303	703	74	757	683	-----
65	46	18	11	11	31	13	8	20	19	60	19	60	-----
66	17	30	9	-----	7	26	-----	43	10	3	3	23	-----
67	11,635	85,550	37,970	5,495	395,360	58,460	4,435	205,099	87,020	11,145	139,476	95,570	-----
68	62	28	10	10	25	66	5	88	19	29	88	181	-----
69	1,630	5,256	1,315	205	1,195	1,529	1,560	9,050	6,245	945	1,789	11,086	-----
70	423	20,031	8,344	1,816	4,448	3,387	1,409	6,130	10,455	8,132	3,749	7,391	281
71	179	12,667	3,160	2,265	1,222	606	606	3,802	6,421	2,572	2,562	2,562	181
72	244	7,464	3,184	749	2,183	1,565	744	2,258	4,034	2,560	1,187	3,130	100
73	2,766	119,455	51,390	12,602	32,959	23,785	8,922	44,770	73,278	57,253	29,173	59,842	1,655
74	63,046	28,874	10,793	11,162	43,678	24,468	1,159	7,009	46,557	15,146	7	289	3
75	40,805	17,029	5,874	6,858	31,802	15,142	845	5,689	25,828	10,635	7	220	3
76	22,241	11,845	5,084	4,809	11,876	9,326	314	1,420	21,129	4,511	-----	69	-----
77	256,477	91,991	37,076	34,960	176,893	68,716	4,080	30,167	160,221	55,239	35	1,310	20
78	25	3,993	556	2,198	423	1,542	10	924	89	459	81	1,147	9
79	77	10,976	1,573	4,736	1,220	3,455	32	6,712	280	1,159	506	2,789	60
80	2,516	128,325	108,777	23,482	186,746	43,619	6,649	84,226	116,556	95,289	91,098	130,158	42,649
81	1,584	63,260	61,777	13,731	125,423	26,714	6,272	61,742	84,188	50,414	65,160	104,829	26,589
82	3,668	3,668	524	260	5,159	657	121	18,900	1,835	1,177	8,073	30,566	6
83	2,045	13,199	1,842	1,076	16,779	2,258	434	82,286	5,431	3,998	29,368	105,993	14

\* See explanation for 1900 figures at close of text.

\* Includes Belgian hares, valued at \$525.

\* Includes Belgian hares, valued at \$126.

\* Includes animals, age or sex not specified.

TABLE 1.—FARMS AND FARM PROPERTY,

[Comparative data for June 1, 1900, in italics.]

		San Joaquin.	San Luis Obispo	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.
1	Population	50,731	19,383	26,585	27,738	83,539	26,140	18,920	4,098
2	Population in 1900	56,482	16,637	12,094	18,934	60,216	21,812	17,318	4,017
3	Number of all farms.	3,286	1,714	665	1,355	4,731	1,466	1,010	110
4	Number of all farms in 1900	1,966	1,813	561	1,149	5,966	1,874	1,221	141
5	Color and nativity of farmers:								
6	Native white	2,179	929	258	874	2,725	851	825	77
7	Foreign-born white	977	767	390	448	1,860	588	151	32
8	Negro and other nonwhite	130	18	17	33	146	27	34	1
9	Number of farms, classified by size:								
10	Under 3 acres	204	7	46	17	68	18	6	1
11	3 to 9 acres	204	65	81	130	773	226	16	6
12	10 to 19 acres	531	80	55	140	1,186	198	29	3
13	20 to 49 acres	797	179	112	212	1,817	384	103	4
14	50 to 99 acres	397	187	61	164	562	293	111	5
15	100 to 174 acres	395	267	90	376	188	300	25	25
16	175 to 259 acres	217	123	62	105	141	60	96	4
17	260 to 499 acres	371	304	138	147	52	100	10	10
18	500 to 999 acres	221	285	60	93	75	25	93	18
19	1,000 acres and over	144	214	41	171	86	22	66	25
LAND AND FARM AREA									
20	Approximate land area	926,720	2,133,760	286,080	1,753,600	849,920	278,400	2,469,120	590,720
21	Land in farms	763,048	1,588,600	160,655	1,120,475	734,819	157,308	389,218	84,220
22	Land in farms in 1900	761,065	1,084,480	149,544	922,611	710,688	180,438	347,180	74,609
23	Improved land in farms	611,702	326,800	109,840	215,552	257,170	66,575	90,917	30,784
24	Improved land in farms in 1900	668,958	412,556	72,129	262,882	290,285	66,849	86,540	26,687
25	Woodland in farms	35,387	174,801	27,334	276,071	153,835	44,157	151,113	18,168
26	Other unimproved land in farms	115,899	1,086,841	32,521	628,852	343,814	46,276	141,888	35,086
27	Per cent of land area in farms	82.3	74.5	56.2	63.9	86.5	56.5	15.8	14.3
28	Per cent of farm land improved	80.2	20.6	62.7	19.2	32.8	42.5	24.7	36.6
29	Average acres per farm	232.2	926.9	241.6	826.9	155.3	107.2	385.4	765.6
30	Average improved acres per farm	186.2	190.7	151.6	159.1	60.1	45.6	95.3	279.9
VALUE OF FARM PROPERTY									
31	All farm property	67,286,028	32,426,353	20,870,585	43,544,076	67,187,549	17,653,136	7,847,929	1,630,799
32	All farm property in 1900	51,918,154	14,685,767	10,554,560	18,471,733	50,774,705	11,445,150	4,460,485	896,338
33	Per cent increase, 1900-1910	115.5	121.6	101.6	138.3	52.5	54.2	77.5	65.8
34	Land	55,909,884	24,745,375	17,448,280	35,556,593	52,882,003	14,103,715	5,403,073	902,575
35	Land in 1900	55,769,590	11,153,180	8,207,140	14,849,510	42,879,510	9,094,410	2,880,210	664,900
36	Buildings	5,675,665	2,136,447	2,006,705	3,004,679	9,125,640	2,299,590	851,750	262,126
37	Buildings in 1900	2,297,130	1,272,820	1,333,890	1,376,290	6,532,710	1,462,080	538,600	179,770
38	Implement and machinery	1,741,053	742,498	398,327	804,264	1,942,359	461,107	299,511	65,524
39	Implement, etc., in 1900	907,416	473,520	173,620	365,770	1,287,660	246,550	168,520	37,480
40	Domestic animals, poultry, and bees	3,900,026	4,802,033	1,017,273	4,178,540	8,236,967	788,424	1,303,589	360,575
41	Domestic animals, etc., in 1900	2,244,224	1,749,917	646,726	1,681,363	4,834,093	649,790	737,853	215,155
42	Per cent of value of all property in—								
43	Land	83.1	76.3	83.6	81.7	78.7	79.9	68.8	58.3
44	Buildings	8.4	6.6	9.6	6.9	13.6	13.0	10.9	15.9
45	Implement and machinery	2.6	2.3	1.9	1.8	2.9	2.6	3.7	4.0
46	Domestic animals, poultry, and bees	5.9	14.8	4.9	9.6	4.8	4.5	16.6	21.8
47	Average values:								
48	All property per farm	20,477	18,919	31,384	32,136	14,202	12,042	7,770	15,007
49	Land and buildings per farm	18,742	15,684	29,256	28,458	13,107	11,189	6,193	11,134
50	Land per acre	73.27	16.58	108.61	31.75	71.97	89.66	15.88	11.43
51	Land per acre in 1900	54.51	10.76	64.69	16.10	59.48	66.98	8.69	7.67
DOMESTIC ANIMALS (farms and ranges)									
52	Farms reporting domestic animals	2,998	1,654	627	1,285	3,963	1,340	962	104
53	Value of domestic animals	3,850,155	4,733,160	990,208	4,119,104	3,108,853	739,727	1,282,743	357,497
54	Cattle:								
55	Total number	31,296	41,874	15,288	48,576	46,030	10,100	34,119	7,787
56	Dairy cows	11,904	24,153	8,119	11,676	12,181	4,210	2,923	1,563
57	Other cows	6,801	22,903	2,305	29,752	12,251	1,811	15,433	2,268
58	Yearling heifers	3,636	10,345	1,848	6,801	4,449	1,113	3,678	850
59	Calves	4,960	15,635	2,375	11,524	5,448	1,779	3,308	874
60	Yearling steers and bulls	1,957	8,948	369	8,606	3,153	438	3,197	831
61	Other steers and bulls	1,958	33,180	272	24,578	7,552	749	5,880	1,401
62	Value	874,834	2,789,415	463,466	2,223,007	1,218,007	259,560	677,694	199,156
63	Horses:								
64	Total number	20,972	15,274	4,295	13,034	15,816	4,290	5,217	1,394
65	Mature horses	18,256	12,601	3,940	10,621	14,405	3,314	4,516	1,199
66	Yearling colts	1,597	1,686	253	1,442	899	260	488	155
67	Spring colts	1,089	987	102	971	512	116	213	40
68	Value	2,247,876	1,451,086	425,976	1,398,385	1,763,731	435,787	396,414	136,605
69	Mules:								
70	Total number	3,530	877	12	443	274	88	294	20
71	Mature mules	3,169	754	10	362	207	84	224	20
72	Yearling colts	217	83	2	66	7	4	29	1
73	Spring colts	144	40	2	25	2	1	13	1
74	Value	482,560	108,735	915	53,740	29,026	8,150	23,225	1,450
75	Asses and burros:								
76	Number	62	19	2	24	11	6	23	4
77	Value	16,760	2,095	50	4,380	150	125	2,635	325
78	Swine:								
79	Total number	23,454	17,908	12,682	22,073	7,849	3,674	18,800	664
80	Mature hogs	11,476	8,602	4,113	11,118	2,145	1,145	12,852	370
81	Spring pigs	9,981	6,118	2,990	6,960	3,184	1,509	5,968	294
82	Value	143,626	110,830	93,912	162,635	61,121	27,421	96,329	4,198
83	Sheep:								
84	Total number	24,819	86,953	1,329	80,533	10,655	1,579	17,023	3,098
85	Rams, ewes, and wethers	54,717	767	60,265	4,449	876	11,449	3,005	3,005
86	Spring lambs	10,012	32,236	562	20,328	5,006	703	5,574	93
87	Value	83,771	256,136	5,140	275,259	32,553	5,454	44,945	15,579
88	Goats:								
89	Number	260	7,390	154	558	163	1,043	18,403	73
90	Value	728	14,783	569	1,698	665	3,230	41,501	184
POULTRY AND BEES									
91	Number of poultry of all kinds	175,456	119,822	47,625	89,995	209,093	85,705	35,873	4,458
92	Value	101,710	53,665	26,112	46,815	122,299	46,054	19,226	2,950
93	Number of colonies of bees	3,014	3,936	289	4,072	2,542	653	689	49
94	Value	8,101	15,268	933	12,621	8,015	2,643	1,620	128

¹ Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

² See explanation at close of text.

# STATISTICS OF AGRICULTURE.

643

BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Siskiyou.	Soiano.	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare. <sup>1</sup>	Tuolumne.	Ventura.	Yolo.	Yuba.	Indian res.
1	18,801	27,559	48,394	22,522	6,328	11,401	3,301	35,440	9,979	18,347	13,926	10,042	
2	16,902	24,143	38,480	9,550	5,880	10,390	4,335	18,375	11,166	14,367	15,618	8,629	
3	1,114	1,143	4,772	2,687	873	1,006	308	4,021	386	1,293	1,255	436	
4	931	1,161	5,676	961	728	1,055	272	2,212	457	1,609	1,214	483	287
5	852	620	2,737	1,879	696	799	235	3,253	241	965	934	338	
6	218	449	2,012	801	154	188	55	707	143	307	255	91	
7	44	74	23	7	23	19	18	61	2	21	66	7	
8	1	6	40	13		7	6	0	1	13	4		
9	21	45	916	153	57	34	9	171	4	87	53	13	
10	36	60	850	319	13,901	119	9	161	15	120	115	20	
11	88	198	1,040	1,046	142	198	24	1,247	28	199	283	33	
12	98	170	522	439	91	102	23	647	27	214	166	34	
13	388	167	508	123	151	148	597	105	207	170	82		
14	84	89	233	83	84	61	23	198	35	142	83	30	
15	190	156	299	125	119	41	304	88	155	189	93		
16	124	144	202	142	78	186	15	197	43	90	107	64	
17	175	108	122	175	74	139	10	201	40	60	85	67	
18	4,093,840	526,080	1,069,280	928,000	389,120	1,851,520	2,026,240	3,107,840	1,401,600	1,201,920	648,960	408,960	
19	455,870	474,800	744,640	646,302	283,462	915,227	91,310	1,045,251	193,072	550,190	493,383	242,108	
20	438,869	430,651	785,074	690,692	287,287	860,765	76,098	1,039,727	204,758	552,559	552,065	312,381	17,124
21	186,147	330,452	248,271	512,189	199,510	186,642	13,300	507,024	36,407	213,868	371,268	94,250	
22	181,089	541,068	221,374	636,700	296,877	289,638	14,144	546,189	36,471	174,419	521,013	152,013	6,244
23	82,544	41,554	187,007	187,007	206,384	161,600	161,600	62,215	56,041	70,175	70,175	70,175	
24	187,185	119,880	217,566	118,447	171,996	522,351	46,128	376,847	94,450	280,270	68,539	84,683	
25	11.4	90.3	73.8	70.0	99.1	40.4	4.5	33.6	13.8	45.8	71.4	60.9	
26	40.8	65.4	33.3	78.9	51.8	20.4	14.6	48.5	18.9	68.5	37.8	37.8	
27	499.2	415.5	150.0	241.7	909.8	296.5	296.5	239.9	500.2	423.5	369.2	441.3	
28	167.1	271.6	52.0	190.6	228.5	155.5	43.2	120.1	94.3	165.4	232.8	216.2	
29	14,270,302	28,727,683	55,351,049	43,787,887	19,115,937	16,821,178	1,591,469	76,539,642	2,942,322	48,262,645	31,798,096	6,666,211	
30	7,704,769	50,780,454	38,071,707	17,031,950	8,182,781	16,030,104	1,040,819	28,877,801	2,151,145	19,983,751	4,703,613	409,361	
31	85.2	38.2	67.4	157.1	108.2	4.9	32.9	20.7	38.1	125.2	59.1	41.7	
32	10,352,035	23,025,081	41,512,706	35,324,243	14,869,242	12,932,446	900,855	64,455,554	1,779,470	41,826,120	25,684,720	4,911,611	
33	6,084,110	16,905,519	25,886,750	18,674,899	6,976,590	11,720,180	588,550	15,898,600	1,824,860	18,529,890	16,906,850	3,375,150	218,980
34	1,411,810	2,278,540	8,798,787	3,320,475	2,032,355	1,234,375	274,200	4,195,432	451,955	2,365,140	2,799,277	688,565	
35	1,066,890	1,900,720	4,620,580	1,857,990	387,700	2,061,800	171,630	1,576,900	337,850	1,494,650	1,565,550	657,150	78,690
36	420,745	767,136	1,326,832	820,079	458,269	494,932	69,119	1,805,419	114,830	1,112,812	795,102	171,755	
37	284,589	649,589	847,224	637,890	515,780	420,020	31,180	715,460	102,070	482,870	610,430	161,650	25,480
38	2,084,812	2,656,926	3,182,720	4,323,000	1,755,547	2,159,425	347,235	6,083,217	596,067	2,958,573	2,518,947	894,900	
39	1,279,749	1,821,834	2,691,157	1,681,992	800,931	1,778,104	254,639	2,896,791	350,965	1,907,677	1,637,451	559,683	86,451
40	72.5	80.2	75.0	80.7	77.8	76.9	56.6	84.2	60.5	86.7	80.8	73.7	
41	9.9	7.9	15.8	7.6	10.6	7.3	17.2	5.5	15.4	4.9	8.8	10.3	
42	2.9	2.7	2.4	1.9	2.4	2.4	2.4	2.4	3.9	2.5	2.6	2.6	
43	14.6	9.2	9.8	9.9	6.2	12.8	21.8	7.9	20.3	6.1	7.9	13.4	
44	12,810	25,134	11,599	16,296	21,896	16,721	5,167	19,035	7,623	37,326	25,337	15,289	
45	10,561	22,138	10,535	14,382	19,161	14,083	17,023	17,023	34,177	22,096	12,844		
46	22.71	48.49	55.75	54.40	38.58	14.13	9.87	61.07	9.22	76.02	55.43	19.72	
47	11.85	55.17	52.21	16.46	23.79	12.53	7.67	15.00	6.27	33.68	28.81	10.81	12.78
48	1,034	1,087	4,330	2,555	821	949	206	3,805	372	1,297	1,178	422	
49	2,063,544	2,616,747	2,928,810	4,240,461	1,709,131	2,119,800	342,089	5,950,238	555,892	2,826,239	2,465,128	875,229	
50	45,079	21,784	48,727	49,132	16,064	25,309	11,885	104,454	29,929	18,659	19,977	13,594	
51	7,018	9,279	24,961	20,678	6,728	3,462	804	26,765	1,773	2,666	7,197	2,255	
52	14,781	4,237	5,835	9,047	3,254	10,091	5,143	29,478	8,415	5,887	3,701	4,773	
53	5,965	1,933	4,804	5,294	1,939	2,646	1,415	11,911	2,040	2,139	2,654	1,628	
54	4,919	4,917	9,517	7,252	2,633	3,530	1,120	16,092	2,977	2,442	2,642	1,827	
55	5,369	1,187	1,805	2,992	1,012	2,590	1,208	8,784	1,531	2,095	1,194	1,152	
56	6,513	1,408	1,705	3,765	823	2,400	2,089	10,429	1,223	10,850	1,522	1,959	
57	1,010,920	605,378	1,166,971	1,128,698	465,202	512,747	211,324	2,713,506	377,696	701,498	553,417	256,046	
58	9,150	8,050	13,728	14,357	5,684	5,876	1,206	22,290	2,491	11,480	8,315	3,244	
59	7,690	6,993	12,611	11,818	4,869	5,073	1,150	18,917	2,053	9,955	7,127	2,803	
60	1,087	695	733	1,120	587	525	117	2,003	242	96	814	288	
61	423	362	384	228	278	30	195	150	580	274	153	133	
62	834,467	884,500	1,355,510	1,555,290	573,051	464,472	90,724	2,234,990	165,390	1,407,792	907,457	278,764	
63	503	2,319	308	5,442	2,096	1,675	168	3,655	91	2,262	3,955	970	
64	300	2,157	388	8,236	1,922	1,409	142	3,149	76	2,250	3,501	726	
65	76	84	8	232	107	163	19	288	7	66	265	48	
66	37	78	2	174	67	103	7	218	8	49	189	26	
67	44,929	295,866	48,025	703,567	272,402	171,979	9,985	491,410	7,055	407,950	555,410	78,900	
68	22	23	28	31	20	23	8	103	26	60	46	31	
69	4,010	2,800	620	7,835	6,670	7,880	670	20,534	1,155	10,310	10,480	3,515	
70	9,512	13,568	18,233	23,027	15,129	14,940	4,051	38,192	3,893	10,498	24,197	5,539	
71	6,116	8,836	10,965	13,610	9,121	10,915	2,594	23,942	2,590	6,984	15,483	3,283	
72	3,306	4,732	7,428	9,417	6,008	4,025	1,457	14,250	1,303	3,514	8,714	2,251	
73	58,475	89,528	125,448	158,491	105,752	75,941	17,281	301,227	21,620	87,633	152,155	32,101	
74	29,922	170,153	65,315	23,252	89,665	297,736	3,813	31,771	2,466	31,771	79,446	67,662	
75	18,013	96,921	44,095	15,874	51,135	185,023	2,732	14,014	1,795	16,113	49,807	40,344	
76	73,199	21,229	7,378	38,690	78,980	12,713	7,129	7,129	9,114	43,326	27,638	27,638	
77	99,882	737,457	224,274	86,095	284,023	850,456	10,486	79,690	8,658	119,783	284,627	204,939	
78	384	392	2,991	217	511	28,473	845	2,979	1,609	621	716	502	
79	1,079	1,215	7,962	575	2,031	86,325	1,619	8,632	3,868	1,273	1,552	964	
80	43,413	74,683	1,362,399	128,905	68,861	69,852	7,712	101,965	15,989	60,921	76,972	27,896	
81	22,568	39,784	821,259	74,116	38,690	37,989	4,729	102,352	9,114	34,216	43,326	18,661	
82	2,773	256	824	2,554	2,055	786	98	9,568	303	23,714	2,442	149	
83	8,700	795	2,615	8,423	7,728	1,636	417	30,027	1,061	98,118	10,472	410	

\* Includes Belgian hares, valued at \$200.

\* Includes Belgian hares, valued at \$200.

\* Includes Belgian hares, valued at \$21.

\* Includes animals, age or sex not specified.

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY TENURE; COLOR  
[Comparative data for June 1, 1900, in italics.]

	THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.
<b>FARMS OPERATED BY OWNERS</b>						
1 Number of farms.....	66,632	1,690	32	437	1,230	556
2 Number of farms in 1900.....	<i>52,529</i>	<i>1,792</i>	<i>34</i>	<i>478</i>	<i>801</i>	<i>492</i>
3 Per cent of all farms.....	75.3	63.8	76.2	81.4	82.1	88.3
4 Per cent of all farms in 1900.....	<i>72.4</i>	<i>64.3</i>	<i>91.9</i>	<i>85.0</i>	<i>76.4</i>	<i>85.6</i>
5 Land in farms.....acres.....	15,125,339	174,391	25,556	192,535	297,289	243,835
6 Improved land in farms.....acres.....	6,464,472	97,254	5,979	53,574	150,497	52,275
7 Value of land and buildings.....dollars.....	882,447,830	21,310,610	467,443	2,630,140	13,636,125	2,742,243
<b>Degree of ownership:</b>						
8 Farms consisting of owned land only.....	56,500	1,447	30	376	1,072	465
9 Farms consisting of owned and hired land.....	10,132	243	2	61	158	91
<b>Color and nativity of owners:</b>						
10 Native white.....	45,750	592	17	311	986	365
11 Foreign-born white.....	19,913	1,096	13	123	238	189
12 Negro and other nonwhite.....	938	12	2	3	6	2
<b>FARMS OPERATED BY TENANTS</b>						
13 Number of farms.....	18,148	646	8	89	217	69
14 Number of farms in 1900.....	<i>16,760</i>	<i>896</i>	<i>19</i>	<i>73</i>	<i>220</i>	<i>74</i>
15 Per cent of all farms.....	27.1	38.7	2.7	20.3	17.5	12.3
16 Per cent of all farms in 1900.....	<i>23.1</i>	<i>56.1</i>	<i>2.7</i>	<i>15.0</i>	<i>18.7</i>	<i>13.9</i>
17 Land in farms.....acres.....	6,201,133	98,155	3,488	18,401	78,959	22,522
18 Improved land in farms.....acres.....	3,196,797	67,146	1,455	5,770	54,355	6,333
19 Value of land and buildings.....dollars.....	338,609,243	9,443,363	135,000	442,660	2,769,670	260,600
<b>Form of tenancy:</b>						
20 Share tenants.....	6,135	183	.....	9	89	11
21 Share-cash tenants.....	704	22	.....	3	13	3
22 Cash tenants.....	9,737	386	7	73	86	26
23 Tenure not specified.....	1,572	55	1	4	29	29
<b>Color and nativity of tenants:</b>						
24 Native white.....	10,505	217	5	66	171	50
25 Foreign-born white.....	5,565	576	3	21	30	16
26 Negro and other nonwhite.....	2,078	33	.....	2	16	3
<b>FARMS OPERATED BY MANAGERS</b>						
27 Number of farms.....	3,417	86	2	11	53	7
28 Number of farms in 1900.....	<i>5,358</i>	<i>89</i>	<i>2</i>	<i>11</i>	<i>58</i>	<i>9</i>
29 Land in farms.....acres.....	6,604,972	38,781	2,960	80,794	114,529	5,044
30 Improved land in farms.....acres.....	1,728,625	12,914	145	5,625	42,245	496
31 Value of land and buildings.....dollars.....	229,541,415	3,246,790	17,000	770,020	5,280,200	38,000
<b>MORTGAGE DEBT REPORTS<sup>1</sup></b>						
<b>For all farms operated by owners:</b>						
32 Number free from mortgage debt.....	39,368	1,204	22	364	745	456
33 Number with mortgage debt.....	26,749	10	.....	.....	470	18
34 Number with no mortgage report.....	515	19	.....	1	15	5
<b>For farms consisting of owned land only:</b>						
35 Number reporting debt and amount.....	21,430	384	8	62	385	71
36 Value of their land and buildings.....dollars.....	250,199,490	3,691,870	87,000	347,628	3,328,401	357,295
37 Amount of mortgage debt.....dollars.....	60,036,660	958,657	30,800	86,515	807,233	95,080
38 Per cent of value of land and buildings.....	24.0	26.0	35.4	24.9	24.3	26.6

<sup>1</sup> Change of boundary. (See explanation at close of text.)<sup>2</sup> Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

<b>LIVE STOCK PRODUCTS</b>						
<b>Dairy Products</b>						
1 Dairy cows on farms reporting dairy products.....number.....	408,812	8,649	747	2,450	3,374	1,634
2 Dairy cows on farms reporting milk produced.....number.....	315,385	8,448	662	2,213	3,110	1,626
3 Milk—Produced.....gallons.....	154,901,946	4,618,380	354,767	743,667	1,070,818	514,701
4 Sold.....gallons.....	45,333,432	2,245,633	600	42,520	124,068	36,215
5 Cream sold.....gallons.....	3,397,961	61,325	7,517	1,455	15,582	12,380
6 Butter fat sold.....pounds.....	19,176,719	86,232	57,343	130,888	76,755	1,600
7 Butter—Produced.....pounds.....	15,301,871	252,603	28,613	68,812	124,437	51,841
8 Sold.....pounds.....	10,285,383	108,356	24,685	25,900	36,902	16,579
9 Cheese—Produced.....pounds.....	2,777,873	675	900	32,517	.....	2,787
10 Sold.....pounds.....	2,513,815	560	300	29,351	.....	62
11 Value of dairy products, excluding home use of milk and cream.....dollars.....	20,443,977	580,130	30,970	76,996	95,501	36,840
12 Receipts from sale of dairy products.....dollars.....	19,083,297	544,118	29,862	64,338	77,302	25,299
<b>Poultry Products</b>						
13 Poultry—Raised.....number.....	7,096,339	230,417	2,547	23,628	94,183	31,410
14 Sold.....number.....	3,678,208	121,340	585	8,408	45,669	11,161
15 Eggs—Produced.....dozens.....	35,907,973	1,391,728	8,904	142,824	377,508	107,387
16 Sold.....dozens.....	26,367,687	1,080,618	8,874	82,997	218,682	51,613
17 Value of poultry and eggs produced.....dollars.....	12,703,948	471,769	3,618	49,621	158,052	49,802
18 Receipts from sale of poultry and eggs.....dollars.....	8,736,282	340,122	1,386	27,272	95,058	24,185
<b>Honey and Wax</b>						
19 Honey produced.....pounds.....	10,264,715	9,848	220	2,402	9,702	8,413
20 Wax produced.....pounds.....	126,445	.....	100	.....	.....	118
21 Value of honey and wax produced.....dollars.....	665,367	1,321	23	326	924	632
<b>Wool, Mohair, and Goat Hair</b>						
22 Wool, fleeces shorn.....number.....	2,275,339	5,783	6,790	7,253	38,261	15,677
23 Mohair and goat hair, fleeces shorn.....number.....	102,134	.....	.....	449	1,749	517
24 Value of wool and mohair produced.....dollars.....	2,205,928	4,930	9,561	5,882	33,991	11,551
<b>DOMESTIC ANIMALS SOLD OR SLAUGHTERED</b>						
25 Calves—Sold or slaughtered.....number.....	198,005	4,447	217	1,424	1,470	487
26 Other cattle—Sold or slaughtered.....number.....	555,239	5,523	1,100	6,948	17,209	9,808
27 Horses, mules, and asses and burros—Sold.....number.....	38,071	590	14	152	723	294
28 Swine—Sold or slaughtered.....number.....	560,948	3,393	633	2,986	6,462	3,240
29 Sheep and goats—Sold or slaughtered.....number.....	875,627	3,729	3,157	1,182	16,295	4,720
30 Receipts from sale of animals.....dollars.....	31,130,113	314,415	53,611	254,523	701,900	262,882
31 Value of animals slaughtered.....dollars.....	2,497,007	20,791	6,752	25,289	41,832	49,405



## AND NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910.

[Comparative data for June 1, 1900, in Italics.]

	Colusa.	Contra Costa.	Del Norte.	Eldorado.	Fresno. <sup>1</sup>	Glenn.	Humboldt. <sup>2</sup>	Imperial. <sup>2</sup>	Inyo.	Kern.	Kings. <sup>1</sup>	Lake.
1	449	890	79	642	5,227	512	991	524	361	846	1,391	484
2	572	867	92	672	4,409	369	1,466	(1)	352	885	554	578
3	67.3	60.8	69.3	89.7	83.7	77.2	64.6	62.3	82.4	72.5	75.7	80.3
4	63.9	57.4	70.2	88.5	73.2	68.1	67.1	(1)	85.0	75.2	70.2	79.9
5	316,673	166,989	22,322	188,104	555,934	307,502	333,543	136,926	68,256	372,294	202,731	149,872
6	210,216	111,723	8,186	37,089	303,655	180,993	51,670	100,155	27,831	83,639	110,492	31,123
7	11,383,985	12,588,440	907,580	2,714,985	53,627,075	9,584,020	8,607,088	11,936,025	3,956,276	8,733,860	17,692,101	3,876,105
8	305	727	69	602	4,749	418	865	699	347	756	1,170	407
9	143	163	10	40	478	94	126	125	14	90	221	77
10	361	436	50	490	3,339	387	585	684	254	622	1,037	371
11	86	442	26	141	1,769	125	348	90	83	216	339	111
12	2	12	3	11	119	.....	58	50	24	8	15	2
13	201	502	30	68	739	135	497	421	73	263	300	107
14	208	652	39	51	784	160	658	(1)	63	258	254	153
15	30.1	34.3	26.3	9.5	11.8	20.4	32.4	31.8	16.7	22.5	21.2	17.7
16	54.9	58.5	29.8	10.7	23.8	23.4	29.2	(1)	14.9	21.7	26.1	18.4
17	181,108	187,918	11,855	19,194	128,754	139,246	180,251	65,145	31,126	78,949	101,803	48,652
18	103,427	121,150	3,721	4,066	96,420	102,960	43,142	57,748	8,662	39,058	50,336	10,398
19	4,761,985	12,856,910	549,600	297,100	10,814,995	3,559,575	8,125,552	6,292,439	1,136,050	2,895,137	6,840,215	1,065,710
20	92	153	1	9	403	81	15	145	18	52	185	17
21	21	17	.....	1	9	3	13	22	6	7	7	3
22	54	313	40	24	44	44	43	242	33	137	188	82
23	34	19	12	18	73	7	12	12	16	67	10	19
24	169	222	9	56	439	101	242	325	55	151	232	95
25	26	254	18	8	187	33	251	45	15	72	123	11
26	6	20	3	4	113	1	4	51	3	40	35	1
27	17	73	5	6	279	16	46	77	4	58	56	13
28	7	62	.....	6	97	19	66	(1)	9	34	44	12
29	24,595	51,526	1,770	3,583	421,983	44,360	128,742	21,531	10,760	952,197	69,199	18,940
30	29,279	53,721	532	527	190,130	25,812	10,436	18,166	2,205	192,690	35,741	1,335
31	924,845	3,634,185	72,600	81,681	17,556,713	1,391,840	1,699,917	2,308,879	677,000	13,525,944	3,621,250	693,400
32	251	642	59	492	2,072	291	687	584	254	530	642	345
33	190	243	20	145	3,128	220	293	236	106	311	747	132
34	2	5	.....	5	27	1	11	4	1	5	2	6
35	123	184	16	127	2,734	170	230	104	96	256	587	107
36	1,443,045	2,122,140	137,300	567,100	24,983,327	1,703,360	2,436,615	2,867,600	1,184,200	2,764,650	5,888,820	847,400
37	444,355	574,965	44,900	161,873	6,388,663	403,568	611,134	697,384	227,142	751,974	1,541,990	213,200
38	30.8	27.1	32.7	28.5	25.6	23.7	25.1	24.3	19.2	27.2	26.2	25.2

<sup>1</sup> No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

## SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909.

	Colusa.	Contra Costa.	Del Norte.	Eldorado.	Fresno.	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.	Kings.	Lake.
1	2,524	8,986	3,337	2,630	19,988	2,514	19,763	7,361	1,875	5,280	17,376	1,232
2	2,409	8,378	546	2,383	11,637	2,301	12,914	4,622	1,372	4,355	16,654	1,181
3	994,878	4,608,362	302,431	739,710	5,908,174	829,791	8,608,984	2,103,546	568,899	1,892,902	8,078,271	556,160
4	55,710	2,095,936	638,662	71,900	1,672,521	135,154	2,518,278	85,940	215,633	286,061	268,498	132,681
5	11,206	53,708	682	9,837	84,594	28,743	109,561	51,930	4,759	122,429	448,917	6
6	170,073	285,786	75	1,532,215	25,165	2,711,304	771,311	771,311	24,209	200,872	1,329,936	.....
7	75,629	226,976	461,303	176,354	514,946	86,762	475,773	71,581	116,364	70,839	78,295	92,723
8	30,762	125,685	452,709	130,388	159,126	31,836	387,608	21,738	89,079	26,635	12,840	39,407
9	272	9,790	3,734	41,210	.....	1,400	5,426	30,051	5,426	30,051	139,060	200
10	.....	9,450	1,290	39,485	1,290	1,400	3,926	29,531	3,926	29,531	135,060	50
11	96,493	513,585	183,136	74,699	850,240	73,207	1,351,577	313,743	69,308	245,601	834,251	37,420
12	84,222	486,884	178,797	59,081	767,828	60,676	1,326,968	298,721	60,204	231,629	815,033	24,439
13	73,034	154,332	3,357	28,499	266,221	67,529	67,310	84,062	50,007	89,520	153,839	37,976
14	31,414	66,142	801	12,367	33,286	801	25,401	31,105	22,681	38,962	77,470	16,799
15	246,229	664,951	13,757	132,910	1,267,840	222,286	332,115	204,826	146,822	394,130	687,052	135,001
16	139,164	504,360	5,007	74,257	658,249	149,128	179,660	146,355	107,335	240,366	487,306	71,415
17	92,466	247,618	4,651	45,411	419,265	110,010	115,116	135,526	67,836	148,062	248,495	56,581
18	35,008	165,673	1,773	24,347	205,011	71,111	60,755	70,967	42,286	84,931	167,841	32,352
19	67,689	15,950	1,395	8,105	616,609	10,982	23,481	514,125	304,920	238,791	5,105	.....
20	798	284	.....	75	7,261	250	367	4,453	2,131	2,832	3,148	455
21	5,790	1,382	152	696	33,356	1,194	2,602	27,124	29,944	12,028	12,028	455
22	73,221	14,715	1,238	3,808	107,862	131,612	85,212	12,755	17,847	24,177	73,393	10,372
23	4,009	.....	40	933	1,900	5,177	2,540	26	505	355	26	6,603
24	56,620	10,899	2,070	3,504	109,982	101,749	104,430	17,067	27,761	26,540	58,836	12,922
25	1,876	4,675	374	912	7,930	1,129	8,899	1,649	187	4,244	6,463	585
26	7,415	6,835	727	4,727	22,442	6,639	11,855	19,305	6,090	23,092	9,548	2,990
27	595	679	6	89	1,904	548	243	1,894	580	574	927	155
28	17,865	5,820	1,191	1,948	24,140	9,520	10,748	59,063	2,394	9,545	36,751	6,114
29	32,998	11,240	439	1,221	42,286	31,967	12,504	5,682	18,408	21,736	21,096	3,396
30	538,903	326,350	23,964	120,201	1,324,168	413,709	487,384	1,701,217	297,654	1,015,548	932,227	140,122
31	54,361	48,791	6,111	33,265	89,080	58,528	62,917	9,661	44,574	62,346	46,144	20,953

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY TENURE; COLOR AND [Comparative data for June 1, 1900, in Italics.]

		Lassen.	Los Angeles.	Madera.	Marin.	Mariposa.	Mendocino.	Merced.	Modoc.
<b>FARMS OPERATED BY OWNERS</b>									
1	Number of farms.....	414	5,599	419	196	292	1,069	1,405	594
2	Number of farms in 1900.....	453	4,825	557	162	357	1,175	893	592
3	Per cent of all farms.....	82.5	79.7	73.1	39.4	88.5	75.7	80.7	7
4	Per cent of all farms in 1900.....	81.6	75.4	68.3	55.1	88.6	80.8	69.9	78.7
5	Land in farms.....acres.....	230,413	323,454	218,015	45,102	182,152	437,350	432,040	299,576
6	Improved land in farms.....acres.....	92,428	206,046	134,749	24,102	33,238	53,402	303,964	113,727
7	Value of land and buildings.....dollars.....	5,624,292	108,365,447	5,139,858	2,764,575	1,749,442	7,909,212	17,199,969	6,050,775
8	Degree of ownership:								
9	Farms consisting of owned land only.....	374	4,805	351	183	266	955	1,128	518
10	Farms consisting of owned and bired land.....	40	794	68	13	26	114	277	76
11	Color and nativity of owners:								
12	Native white.....	334	4,332	301	71	218	758	795	505
13	Foreign-born white.....	67	1,236	104	125	61	287	597	72
14	Negro and other nonwhite.....	13	31	14	.....	13	24	13	17
<b>FARMS OPERATED BY TENANTS</b>									
15	Number of farms.....	71	1,908	131	291	34	240	393	115
16	Number of farms in 1900.....	72	1,860	148	287	42	240	366	116
17	Per cent of all farms.....	14.1	24.9	22.9	58.4	10.3	17.7	21.2	15.6
18	Per cent of all farms in 1900.....	15.0	20.7	28.3	62.1	11.0	16.6	20.6	18.2
19	Land in farms.....acres.....	33,029	213,450	201,055	207,601	17,905	125,455	212,285	50,366
20	Improved land in farms.....acres.....	16,154	101,081	184,434	61,462	3,509	20,814	134,422	24,904
21	Value of land and buildings.....dollars.....	780,800	55,841,817	4,957,655	2,912,780	131,838	2,475,562	7,581,287	1,339,640
22	Form of tenancy:								
23	Share tenants.....	26	413	101	7	5	33	199	67
24	Share-cash tenants.....	.....	.....	.....	.....	.....	.....	.....	.....
25	Cash tenants.....	36	1,297	17	274	24	174	156	43
26	Tenure not specified.....	9	195	12	9	5	30	27	4
27	Color and nativity of tenants:								
28	Native white.....	64	1,059	101	61	31	170	218	110
29	Foreign-born white.....	7	319	21	230	2	67	170	5
30	Negro and other nonwhite.....	.....	500	9	.....	1	3	5	.....
<b>FARMS OPERATED BY MANAGERS</b>									
31	Number of farms.....	17	352	23	11	4	47	58	27
32	Number of farms in 1900.....	30	592	18	15	2	59	26	20
33	Land in farms.....acres.....	32,285	213,081	201,593	11,339	6,062	158,530	517,842	60,132
34	Improved land in farms.....acres.....	13,495	51,671	71,903	7,551	270	8,362	169,356	26,153
35	Value of land and buildings.....dollars.....	692,200	27,945,807	2,937,730	864,100	212,000	2,205,800	17,004,655	992,850
<b>MORTGAGE DEBT REPORTS<sup>1</sup></b>									
36	For all farms operated by owners:								
37	Number free from mortgage debt.....	290	3,176	294	118	242	796	613	432
38	Number with mortgage debt.....	122	2,321	114	73	39	266	782	159
39	Number with no mortgage report.....	2	102	11	5	11	7	10	3
40	For farms consisting of owned land only:								
41	Number reporting debt and amount.....	108	1,889	1,182,305	77,665	35	225	584	130
42	Value of their land and buildings.....dollars.....	1,464,400	31,540,310	1,882,305	664,175	250,720	1,832,841	6,570,345	1,786,230
43	Amount of mortgage debt.....dollars.....	272,163	6,446,025	190,817	239,074	52,775	453,647	1,409,143	334,669
44	Per cent of value of land and buildings.....	18.6	20.5	16.1	39.0	20.8	24.8	21.4	18.9

<sup>1</sup> Agricultural data for Indians on reservations in 1900 shown separately in last column of table.<sup>2</sup> Change of boundary. (See explanation at close of text.)

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

<b>LIVE STOCK PRODUCTS</b>									
<b>Dairy Products</b>									
1	Dairy cows on farms reporting dairy products.....	number.....	2,701	16,155	1,233	24,534	637	5,547	2,641
2	Dairy cows on farms reporting milk produced.....	number.....	1,447	14,920	619	17,889	620	5,014	2,591
3	Milk—Produced.....	gallons.....	531,988	8,447,162	186,821	8,575,859	84,728	2,036,479	6,700,619
4	Sold.....	gallons.....	81,590	7,029,161	185,712	3,076,945	1,130	739,657	144,831
5	Cream sold.....	gallons.....	1,820	13,404	8,829	174,069	1,600	4,468	84,574
6	Butter fat sold.....	pounds.....	9,062	1,480	.....	225,545	.....	39,172	26,003
7	Butter—Produced.....	pounds.....	279,685	323,374	48,459	2,280,217	12,753	355,048	94,602
8	Sold.....	pounds.....	208,835	135,263	22,637	2,240,638	2,712	222,894	19,276
9	Cheese—Produced.....	pounds.....	160	1,643	.....	101,743	.....	1,357	200,840
10	Sold.....	pounds.....	.....	600	.....	100,938	.....	383	198,750
11	Value of dairy products, excluding home use of milk and cream.....	dollars.....	85,532	1,415,144	46,284	1,295,606	6,500	189,528	1,009,740
12	Receipts from sale of dairy products.....	dollars.....	67,698	1,362,257	39,624	1,280,315	3,731	156,117	900,716
<b>Poultry Products</b>									
13	Poultry—Raised.....	number.....	28,907	586,566	28,137	141,629	19,583	64,935	136,205
14	Sold.....	number.....	11,982	382,775	9,967	74,114	8,465	28,745	44,589
15	Eggs—Produced.....	dozens.....	106,897	2,332,397	67,932	1,465,911	49,728	337,781	454,115
16	Sold.....	dozens.....	37,455	1,786,385	29,766	1,363,649	19,556	160,251	306,868
17	Value of poultry and eggs produced.....	dollars.....	41,280	951,299	29,336	422,837	28,844	121,577	184,810
18	Receipts from sale of poultry and eggs.....	dollars.....	16,678	699,807	11,283	365,217	16,617	67,074	109,884
<b>Honey and Wax</b>									
19	Honey produced.....	pounds.....	5,642	1,289,820	16,439	205	300	6,090	204,098
20	Wax produced.....	pounds.....	5	15,501	370	55	25	34	3,150
21	Value of honey and wax produced.....	dollars.....	643	93,569	1,052	49	51	667	10,993
<b>Wool, Mohair, and Goat Hair</b>									
22	Wool, fleeces shorn.....	number.....	36,768	31,754	4,905	2,823	355	149,260	46,908
23	Mohair and goat hair, fleeces shorn.....	number.....	2	230	60	.....	154	2,315	8,400
24	Value of wool and mohair produced.....	dollars.....	55,154	32,366	2,272	2,816	376	158,918	39,400
<b>DOMESTIC ANIMALS SOLD OR SLAUGHTERED</b>									
25	Calves—Sold or slaughtered.....	number.....	968	7,736	744	17,201	148	1,687	8,181
26	Other cattle—Sold or slaughtered.....	number.....	17,081	7,198	4,981	1,663	4,799	8,577	32,880
27	Horses, mules, and asses and burros—Sold.....	number.....	1,417	919	30	82	355	867	3,487
28	Swine—Sold or slaughtered.....	number.....	4,504	22,157	3,797	8,834	5,405	13,073	28,662
29	Sheep and goats—Sold or slaughtered.....	number.....	23,853	5,015	442	397	542	19,023	34,424
30	Receipts from sale of animals.....	dollars.....	746,769	710,569	234,774	196,947	166,767	346,864	1,669,927
31	Value of animals slaughtered.....	dollars.....	68,782	63,561	12,739	32,917	17,659	103,675	43,405

## NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in Italics.]

	Mono.	Monterey.	Napa.	Nevada.	Orange.	Placer.	Plumas.	Riverside.	Sacramento.	San Benito.	San Bernardino.	San Diego. <sup>2</sup>	San Francisco.
1	75	1,063	1,166	476	2,531	748	183	2,291	1,011	653	2,532	1,845	82
2	<i>98</i>	<i>1,199</i>	<i>899</i>	<i>455</i>	<i>1,871</i>	<i>807</i>	<i>280</i>	<i>1,747</i>	<i>889</i>	<i>696</i>	<i>1,867</i>	<i>2,251</i>	<i>161</i>
3	82.4	64.1	75.9	87.5	80.0	70.4	82.8	85.2	63.1	70.9	85.9	80.3	52.2
4	<i>87.6</i>	<i>64.8</i>	<i>67.5</i>	<i>88.5</i>	<i>78.0</i>	<i>85.4</i>	<i>85.4</i>	<i>74.7</i>	<i>65.9</i>	<i>76.7</i>	<i>79.4</i>	<i>82.7</i>	<i>53.0</i>
5	49,072	591,593	204,788	147,936	135,784	102,450	101,601	299,909	202,725	346,502	121,696	569,826	922
6	16,430	180,291	55,665	21,413	94,677	67,121	40,925	190,041	152,558	126,914	85,661	150,677	644
7	717,713	14,123,996	9,863,544	2,072,927	41,113,475	5,832,709	2,209,760	32,438,787	18,965,395	7,733,952	48,500,546	18,896,972	1,143,700
8	69	844	1,074	426	2,101	663	166	1,818	868	551	2,189	1,399	75
9	6	219	92	50	430	95	17	373	143	102	343	488	7
10	32	639	754	303	1,899	506	123	1,744	638	438	2,021	1,251	18
11	38	422	412	168	626	228	57	446	350	215	500	497	64
12	5	.....	.....	5	0	14	3	101	23	.....	11	97	.....
13	13	534	297	55	506	291	28	293	532	233	183	360	69
14	<i>10</i>	<i>600</i>	<i>325</i>	<i>78</i>	<i>457</i>	<i>246</i>	<i>40</i>	<i>216</i>	<i>457</i>	<i>189</i>	<i>207</i>	<i>310</i>	<i>135</i>
15	14.3	32.2	19.3	10.1	16.0	27.4	12.7	10.9	33.2	25.3	6.2	15.7	43.9
16	<i>8.9</i>	<i>32.4</i>	<i>24.5</i>	<i>14.9</i>	<i>18.5</i>	<i>22.9</i>	<i>15.0</i>	<i>11.8</i>	<i>52.8</i>	<i>20.8</i>	<i>8.8</i>	<i>11.6</i>	<i>44.4</i>
17	6,000	258,258	99,310	13,926	142,104	46,018	21,588	98,774	125,108	103,403	27,130	126,752	1,091
18	4,287	142,649	29,413	2,498	79,620	26,967	10,789	55,461	83,291	47,704	15,982	62,907	910
19	117,250	10,890,810	3,553,500	252,650	12,321,390	2,854,175	368,150	3,738,279	11,125,325	3,751,714	3,640,110	4,241,935	1,236,870
20	5	249	68	5	271	59	2	134	195	104	91	115	.....
21	.....	25	.....	.....	17	6	.....	11	13	11	6	30	.....
22	8	251	204	48	200	211	19	95	295	67	180	71	.....
23	.....	9	20	2	15	7	5	9	29	34	19	35	28
24	9	248	201	37	361	95	23	230	201	152	156	266	8
25	4	239	92	13	31	46	5	124	65	22	73	20	5
26	.....	47	4	5	78	165	.....	17	207	16	5	21	8
27	3	61	74	13	128	23	10	104	58	35	234	93	6
28	<i>4</i>	<i>61</i>	<i>112</i>	<i>9</i>	<i>80</i>	<i>23</i>	<i>7</i>	<i>518</i>	<i>46</i>	<i>22</i>	<i>276</i>	<i>157</i>	<i>8</i>
29	60,600	297,565	56,492	13,536	93,804	9,603	11,070	122,041	55,211	94,396	59,370	137,848	8
30	22,665	39,569	16,036	6,632	15,432	4,520	2,567	23,649	40,133	12,955	34,982	20,461	8
31	907,550	5,048,922	3,035,282	156,240	7,178,775	460,700	155,900	6,853,279	3,542,100	1,123,345	13,779,550	4,133,207	43,330
32	63	749	750	398	1,294	478	131	1,279	673	385	1,344	1,339	57
33	12	295	411	76	1,228	269	51	996	262	262	1,178	501	14
34	.....	19	5	2	9	1	1	16	12	6	10	5	11
35	10	222	358	63	75	217	43	816	273	210	961	342	9
36	230,900	3,002,171	2,905,375	260,165	12,567,760	1,614,735	566,940	11,969,410	3,894,146	2,354,830	17,434,500	3,235,500	126,600
37	52,350	755,391	745,253	56,270	2,934,955	371,680	113,354	767,233	840,241	767,233	3,958,213	732,270	30,250
38	22.7	25.2	25.7	21.6	23.4	23.0	20.0	24.7	21.6	32.6	22.7	22.6	23.9

\* No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

## SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

1	335	11,925	5,788	2,283	5,281	1,967	3,293	4,179	7,832	3,875	2,517	9,918	1,350
2	290	5,614	5,620	2,180	4,428	1,940	2,107	3,376	4,337	3,553	2,436	8,003	1,045
3	80,000	2,561,454	2,869,707	815,620	2,201,110	633,890	1,181,062	1,643,799	2,096,379	1,669,029	1,371,925	3,444,862	792,138
4	25	133,166	576,037	117,834	991,749	11,550	632,732	762,339	395,156	411,176	995,487	911,108	.....
5	259	133,678	54,943	2,690	27,657	6,631	14,121	33,804	65,912	56,242	14,032	21,432	730
6	.....	87,358	24,631	4,257	60,208	4,472	171,252	83,363	173,434	67,463	3,550	293,884	.....
7	30,202	286,450	381,930	158,271	333,283	108,876	237,330	312,245	164,427	74,131	207,745	575,662	144
8	17,455	197,820	240,258	100,629	157,925	49,002	198,234	232,836	124,767	19,543	89,630	395,616	48
9	.....	59,680	35,726	1,970	50	30,545	2,500	650	497,064	137,685	362	2,895	.....
10	.....	3,240	33,500	535	.....	30,065	230	259	405,044	131,635	.....	1,693	.....
11	9,155	620,934	242,846	86,513	290,247	63,203	121,255	239,917	396,539	160,426	160,151	474,779	158,014
12	4,890	588,409	280,809	69,775	241,741	46,794	111,267	215,747	384,557	145,537	123,555	423,545	157,971
13	2,559	123,743	105,428	35,776	239,536	62,151	15,103	95,767	144,704	79,550	105,606	174,778	196,020
14	842	32,219	55,687	19,041	30,078	30,078	5,147	45,531	67,783	41,433	80,750	158,600	.....
15	4,541	751,177	166,586	1,198,290	235,606	48,511	438,059	666,906	686,264	579,185	921,117	110,057	.....
16	1,359	560,964	482,350	81,072	932,362	126,720	22,964	285,779	482,465	561,433	301,194	700,206	90,589
17	2,988	231,083	218,003	63,612	414,692	110,974	22,206	183,490	249,821	225,891	228,998	357,579	129,595
18	946	156,320	153,300	35,325	293,786	66,737	10,707	108,014	168,428	178,121	114,223	240,609	111,826
19	20,355	177,279	8,939	5,452	325,656	7,338	2,280	902,106	55,272	68,253	363,025	1,559,607	.....
20	425	2,619	204	42	2,704	80	5	12	773	160	5,883	18,589	.....
21	2,949	14,708	942	779	18,525	814	308	62,337	5,393	5,671	23,466	89,401	.....
22	29,160	24,884	9,955	10,607	62,072	28,811	593	4,536	41,103	19,457	.....	155	3
23	.....	3,000	153	1,043	.....	177	.....	13	7	.....	.....	60	.....
24	11,209	26,549	7,196	8,382	51,474	21,728	767	2,600	35,449	18,974	.....	195	4
25	625	5,899	3,925	1,246	2,561	1,140	550	2,223	5,762	2,122	798	3,822	674
26	3,567	15,714	4,833	2,286	2,646	3,069	4,143	5,930	7,893	2,039	2,039	13,917	78
27	90	931	508	105	384	216	87	774	547	563	663	682	.....
28	19,240	17,081	4,104	5,493	19,271	10,235	325	2,185	37,170	6,824	31	187	83
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	197,847	833,917	261,042	95,121	266,105	156,894	141,717	328,638	402,412	570,893	170,023	570,369	6,685
31	21,341	71,129	34,634	22,217	8,631	19,301	9,945	36,430	95,021	31,311	20,300	44,457	1,413

TABLE 2.—NUMBER, ACREAGE, AND VALUE OF FARMS, CLASSIFIED BY TENURE; COLOR AND  
[Comparative data for June 1, 1900, in italics.]

		San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.
<b>FARMS OPERATED BY OWNERS</b>									
1	Number of farms.....	2,370	1,056	302	764	3,622	1,088	839	93
2	Number of farms in 1900.....	1,197	1,167	296	564	2,897	866	1,004	133
3	Per cent of all farms.....	72.1	61.6	45.4	56.4	76.6	74.2	85.1	84.5
4	Per cent of all farms in 1900.....	60.9	64.4	63.7	66.9	76.0	67.9	82.2	84.3
5	Land in farms.....acres.....	443,034	604,883	44,834	227,941	300,220	95,945	136,364	59,409
6	Improved land in farms.....acres.....	344,881	138,615	29,717	83,570	138,204	43,607	81,693	22,552
7	Value of land and buildings.....dollars.....	37,546,833	11,546,274	6,262,020	15,647,520	41,822,317	11,288,085	5,174,499	897,100
8	Degree of ownership:								
9	Farms consisting of owned land only.....	1,850	695	259	549	3,057	973	754	72
10	Farms consisting of owned and hired land.....	520	361	43	215	565	115	85	21
11	Color and nativity of owners:								
12	Native white.....	1,638	586	141	535	2,193	639	673	65
13	Foreign-born white.....	716	469	158	219	1,416	446	139	27
14	Negro and other nonwhite.....	16	1	3	10	13	3	27	1
<b>FARMS OPERATED BY TENANTS</b>									
15	Number of farms.....	799	616	316	504	877	329	154	12
16	Number of farms in 1900.....	711	697	239	429	703	565	199	6
17	Per cent of all farms.....	24.3	35.9	47.5	37.2	18.5	22.4	15.2	10.9
18	Per cent of all farms in 1900.....	36.2	37.9	57.4	37.3	17.6	26.0	16.8	4.3
19	Land in farms.....acres.....	240,497	357,032	99,142	153,236	232,890	41,450	61,722	7,721
20	Improved land in farms.....acres.....	218,313	99,917	61,099	88,172	69,691	18,341	12,404	2,872
21	Value of land and buildings.....dollars.....	18,609,236	8,209,927	10,161,755	11,608,624	13,654,122	3,637,120	704,100	82,600
22	Form of tenancy:								
23	Share tenants.....	411	195	26	159	341	81	21	1
24	Share-cash tenants.....	31	42	12	37	7	7	4	1
25	Cash tenants.....	296	374	243	293	467	229	107	10
26	Tenure not specified.....	61	5	35	5	32	12	22	.....
27	Color and nativity of tenants:								
28	Native white.....	446	305	99	280	366	179	138	8
29	Foreign-born white.....	241	294	206	203	378	127	9	4
30	Negro and other nonwhite.....	112	17	11	21	133	23	7	.....
<b>FARMS OPERATED BY MANAGERS</b>									
31	Number of farms.....	117	42	47	87	232	49	17	5
32	Number of farms in 1900.....	58	49	16	66	256	44	18	2
33	Per cent of all farms.....	79.4	626.745	16.699	577.709	181.709	19.911	11.132	17.099
34	Per cent of all farms in 1900.....	48.568	98.096	9.984	46.810	29.475	4.927	2.120	5.370
35	Value of land and buildings.....dollars.....	5,429,480	7,125,621	3,031,180	11,305,078	6,531,804	1,478,400	376,680	245,000
<b>MORTGAGE DEBT REPORTS<sup>1</sup></b>									
36	For all farms operated by owners:								
37	Number free from mortgage debt.....	1,181	710	249	533	2,092	671	658	72
38	Number with mortgage debt.....	1,172	341	47	227	1,500	410	177	21
39	Number with no mortgage report.....	17	5	6	4	30	7	4	.....
40	For farms consisting of owned land only:								
41	Number reporting debt and amount.....	187	193	39	134	1,186	357	147	17
42	Value of their land and buildings.....dollars.....	8,729,605	1,779,070	610,505	2,790,140	11,700,415	3,667,630	919,890	160,500
43	Amount of mortgage debt.....dollars.....	2,272,853	489,925	103,505	706,315	3,391,948	815,703	211,000	45,500
44	Per cent of value of land and buildings.....	26.0	27.5	17.0	25.3	28.0	22.2	23.0	30.1

<sup>1</sup> Agricultural data for Indians on reservations in 1900 shown separately in last column of table.

TABLE 3.—LIVE STOCK PRODUCTS, AND DOMESTIC ANIMALS

<b>LIVE STOCK PRODUCTS</b>									
<b>Dairy Products</b>									
1	Dairy cows on farms reporting dairy products.....number.....	10,603	22,945	6,982	10,151	10,300	3,676	2,059	1,464
2	Dairy cows on farms reporting milk produced.....number.....	9,150	15,958	5,490	6,147	9,183	3,436	1,968	1,369
3	Milk—Produced.....gallons.....	4,508,234	5,867,540	3,539,461	3,144,697	5,356,740	1,701,740	695,760	579,668
4	Sold.....gallons.....	283,214	2,963,928	232,185	2,850,954	358,724	81,815	47,532	23,231
5	Cream sold.....gallons.....	135,228	343,575	16,967	236,960	75,114	14,349	518	4,062
6	Butter fat sold.....pounds.....	454,756	224,820	1,584	292,759	74,480	25,136	2,732	46,582
7	Butter—Produced.....pounds.....	341,820	1,369,563	91,997	244,632	320,236	224,392	137,723	135,938
8	Sold.....pounds.....	156,729	1,204,660	57,159	145,496	133,461	116,369	57,558	118,347
9	Cheese—Produced.....pounds.....	93,630	169,350	64,751	25,665	577,550	227,965	.....	1,318
10	Sold.....pounds.....	66,228	166,505	39,550	23,330	533,821	167,865	.....	70
11	Value of dairy products, excluding home use of milk and cream.....dollars.....	498,808	754,465	553,332	394,516	719,504	184,800	55,829	62,936
12	Receipts from sale of dairy products.....dollars.....	449,884	709,127	541,955	368,211	664,278	147,907	35,114	56,807
<b>Poultry Products</b>									
13	Poultry—Raised.....number.....	212,434	109,871	43,946	91,159	233,729	79,015	52,607	6,993
14	Sold.....number.....	96,199	45,539	21,422	40,214	116,113	39,846	2,123	.....
15	Eggs—Produced.....dozens.....	955,501	840,405	236,642	407,168	1,166,782	577,989	199,858	24,877
16	Sold.....dozens.....	596,929	630,209	189,361	283,237	759,234	435,418	84,912	9,632
17	Value of poultry and eggs produced.....dollars.....	337,417	243,244	82,139	151,719	410,877	188,542	73,767	11,788
18	Receipts from sale of poultry and eggs.....dollars.....	290,592	169,182	57,688	122,454	352,708	138,227	34,494	4,415
<b>Honey and Wax</b>									
19	Honey produced.....pounds.....	104,645	177,342	5,458	288,875	77,252	11,032	8,466	2,081
20	Wax produced.....pounds.....	183	1,883	103	669	.....	.....	.....	10
21	Value of honey and wax produced.....dollars.....	6,565	11,374	810	16,678	6,293	1,207	1,013	220
<b>Wool, Mohair, and Goat Hair</b>									
22	Wool, fleeces shorn.....number.....	20,477	64,719	1,013	27,787	4,765	799	17,662	2,333
23	Mohair and goat hair, fleeces shorn.....number.....	37	4,758	26	68	.....	630	11,606	.....
24	Value of wool and mohair produced.....dollars.....	14,114	52,868	1,162	26,308	3,596	1,444	25,705	3,940
<b>DOMESTIC ANIMALS SOLD OR SLAUGHTERED</b>									
25	Cattle—Sold or slaughtered.....number.....	6,285	10,222	4,421	3,099	6,964	2,446	584	61
26	Other cattle—Sold or slaughtered.....number.....	12,104	27,792	2,600	19,016	12,834	3,630	11,731	4,351
27	Horses, mules, and asses and burros—Sold.....number.....	1,690	1,042	266	845	683	313	284	155
28	Swine—Sold or slaughtered.....number.....	17,732	14,273	6,198	13,870	6,044	3,013	8,557	683
29	Sheep and goats—Sold or slaughtered.....number.....	6,605	11,969	563	16,116	1,983	9,586	12,432	2,960
30	Receipts from sale of animals.....dollars.....	719,540	1,165,961	185,667	962,245	578,250	224,682	420,691	186,928
31	Value of animals slaughtered.....dollars.....	81,272	122,647	31,365	19,341	29,822	41,073	58,636	9,110

## NATIVITY OF FARMERS; AND MORTGAGE DEBT, BY COUNTIES: APRIL 15, 1910—Continued.

[Comparative data for June 1, 1900, in italics.]

	Siskiyou.	Solano.	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.	Indian res.
1	948	773	3,771	2,200	674	810	274	3,307	342	895	887	332	.....
2	816	769	2,699	611	613	603	262	1,630	400	889	850	274	270
3	85.1	67.6	79.0	81.9	77.2	80.5	89.0	82.2	88.6	69.2	70.7	76.1	.....
4	87.6	61.6	71.6	64.2	70.5	76.1	92.6	83.2	87.6	70.1	70.0	77.4	94.1
5	357,587	329,947	427,263	422,014	202,077	482,565	79,078	792,079	165,627	238,175	256,282	176,098	.....
6	141,602	216,684	145,042	324,330	145,149	84,327	10,827	345,835	35,165	111,729	196,930	71,064	.....
7	9,531,155	16,691,850	34,242,473	28,443,514	12,155,262	6,432,816	972,425	47,844,619	1,984,825	27,274,505	17,980,915	3,679,066	.....
8	654	599	3,594	1,784	504	735	259	2,725	312	604	683	260	.....
9	94	174	177	416	170	75	15	582	30	291	204	72	.....
10	715	449	2,170	1,544	551	638	206	2,632	212	676	676	254	.....
11	190	314	1,597	652	118	165	64	612	128	218	201	78	.....
12	43	10	4	4	5	7	14	45	2	1	10	.....	.....
13	129	322	888	441	181	164	27	496	34	346	325	96	.....
14	36	371	900	369	211	221	17	618	40	531	509	85	.....
15	11.6	28.2	18.6	16.4	20.7	16.3	8.8	12.3	8.8	26.8	25.9	22.0	.....
16	10.5	22.2	24.5	32.5	29.0	20.9	6.3	23.4	8.8	26.1	25.9	19.7	0.7
17	65,145	127,546	240,325	179,333	70,557	137,059	8,545	131,285	22,283	101,283	157,070	58,948	.....
18	30,537	88,378	71,213	149,131	46,711	49,729	1,168	83,713	2,281	63,929	87,213	20,484	.....
19	1,388,490	7,011,471	11,742,480	7,572,958	3,202,415	2,180,705	107,990	8,124,870	176,309	10,426,245	7,071,040	1,360,410	.....
20	39	104	150	239	64	35	3	212	2	253	167	20	.....
21	.....	17	22	16	27	4	6	27	.....	25	17	.....	.....
22	34	197	461	147	103	16	60	233	18	60	137	65	.....
23	36	4	255	39	2	22	2	24	14	8	4	7	.....
24	103	133	488	296	133	135	21	40	22	244	225	77	.....
25	25	128	363	142	30	21	1	99	12	82	44	12	.....
26	1	61	17	3	18	8	4	17	.....	20	56	7	.....
27	37	48	113	46	18	32	7	218	10	52	43	8	.....
28	77	71	147	51	4	51	5	74	17	49	65	14	16
29	33,144	17,373	77,056	48,045	52,328	295,603	3,687	121,867	5,162	153,741	50,031	14,064	.....
30	14,068	11,115	32,016	38,128	8,650	62,086	1,305	77,476	940	38,210	32,125	2,702	.....
31	845,100	1,600,300	4,226,540	2,528,246	1,484,100	5,553,300	94,700	12,581,517	79,300	6,490,510	2,532,532	540,700	.....
32	688	441	2,254	890	362	518	233	1,778	269	497	482	248	.....
33	251	328	1,498	1,301	367	288	40	1,511	71	363	397	83	.....
34	9	4	19	9	5	4	.....	18	2	.....	8	1	.....
35	210	237	1,399	972	225	241	1	1,187	63	299	283	50	.....
36	2,760,855	3,732,565	11,018,235	9,721,165	3,076,708	2,061,515	221,425	15,911,023	378,650	6,013,275	4,329,740	417,430	.....
37	663,580	992,293	3,009,143	2,394,773	788,106	543,342	51,498	3,263,570	98,677	1,098,618	1,154,656	114,374	.....
38	24.8	26.6	27.2	24.6	28.5	26.4	23.3	20.5	26.1	18.3	26.7	27.4	.....

\* No mortgage reports were secured for farms operated by tenants and managers. (See explanation in text.)

## SOLD OR SLAUGHTERED ON FARMS, BY COUNTIES: 1909—Continued.

1	6,162	9,048	23,054	17,136	6,319	2,863	694	23,044	1,387	2,451	5,858	1,720	.....
2	5,365	8,915	17,426	8,895	4,948	2,696	640	19,986	861	2,152	4,399	1,471	.....
3	2,215,438	3,590,528	8,915,051	5,492,579	2,082,758	888,137	162,424	10,494,695	207,770	953,045	2,564,066	511,001	.....
4	198,332	1,089,424	2,940,026	1,243,844	489,220	125,967	455	183,875	50,629	67,641	753,917	119,461	.....
5	25,056	33,171	257,085	119,831	46,893	3,823	.....	153,461	7,144	5,196	162,392	15,207	.....
6	266,719	282,684	394,096	2,363,193	277,709	33,552	.....	2,690,537	2,600	319,693	33,084	.....	.....
7	254,999	381,903	1,192,532	154,998	183,527	182,953	46,277	201,880	35,522	267,905	88,338	40,673	.....
8	103,101	275,609	879,895	61,256	89,104	102,933	21,885	44,002	14,282	142,134	32,649	10,344	.....
9	39,470	873	211,319	2,125	.....	.....	.....	16,850	155	.....	.....	900	.....
10	35,720	724	207,012	2,000	.....	.....	.....	16,750	.....	.....	.....	.....	.....
11	218,209	388,472	911,875	1,216,976	241,332	86,839	14,812	983,422	25,276	97,762	396,490	48,454	.....
12	191,448	301,475	840,165	1,190,228	217,430	67,044	7,220	642,746	18,901	64,912	382,326	40,583	.....
13	57,444	66,403	1,512,601	121,677	101,908	90,134	10,800	204,167	22,710	61,703	84,010	44,202	.....
14	20,839	26,018	999,877	56,524	50,556	53,029	4,591	73,443	9,894	20,431	36,153	23,844	.....
15	254,107	420,261	9,470,880	648,248	430,198	306,452	31,776	1,633,110	94,507	372,111	347,209	111,892	.....
16	107,772	274,549	8,943,850	301,370	189,294	6,440	.....	146,099	49,907	172,489	307,276	59,439	.....
17	93,177	128,295	3,038,518	237,685	167,240	149,168	15,957	325,658	36,457	124,710	131,892	66,938	.....
18	39,592	76,580	2,522,293	132,380	113,830	104,666	5,932	183,452	19,351	55,730	76,559	43,838	.....
19	85,322	2,873	7,014	61,592	76,812	15,779	1,605	290,435	12,310	1,839,986	106,982	545	.....
20	324	.....	.....	1,371	745	115	15	4,743	65	20,918	1,125	10	.....
21	8,317	491	94	5,160	4,909	1,198	207	17,434	879	109,785	8,313	83	.....
22	14,975	157,499	75,925	22,837	149,821	336,373	2,603	33,150	1,408	21,465	82,602	63,383	.....
23	134	5	2,330	50	800	510	44	177	600	.....	316	208	.....
24	23,638	161,312	74,951	22,700	116,738	349,689	1,892	35,218	996	14,306	76,497	45,777	.....
25	1,735	5,223	12,664	6,107	3,063	1,068	43	8,583	664	1,027	5,215	1,003	.....
26	40,631	4,555	6,436	11,632	5,083	9,596	5,173	34,808	4,306	15,257	6,433	6,351	.....
27	547	862	638	2,175	565	578	18	1,941	102	626	1,509	1,900	.....
28	7,234	8,099	10,242	17,286	11,303	5,520	1,438	39,591	1,911	5,964	24,365	2,744	.....
29	15,686	67,376	10,979	16,396	80,502	73,718	71	11,256	844	8,850	33,520	23,420	.....
30	1,655,950	594,201	427,511	905,059	603,534	542,031	78,488	1,705,826	126,632	727,063	799,395	306,722	.....
31	149,915	49,443	44,787	53,702	34,240	50,397	15,086	92,826	9,450	28,076	54,907	17,191	.....

TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

		THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	
<b>VALUE OF ALL CROPS</b>									
1	Total.....	dollars.....	153,111,013	4,276,967	83,206	452,270	2,364,515	409,168	2,184,299
2	Cereals.....	dollars.....	28,039,826	384,907	25,833	55,405	556,107	7,881	1,575,543
3	Other grains and seeds.....	dollars.....	7,318,211	31,257	8	90	767	755	36,023
4	Hay and forage.....	dollars.....	42,187,215	1,537,119	49,147	229,982	806,735	217,191	340,462
5	Vegetables.....	dollars.....	12,121,358	810,628	3,291	41,583	55,514	39,068	30,458
6	Fruits and nuts.....	dollars.....	50,709,869	806,977	1,444	59,559	797,893	53,368	129,389
7	All other crops.....	dollars.....	12,736,934	686,079	3,483	65,651	147,699	71,880	49,424
<b>SELECTED CROPS (acres and quantity)</b>									
<b>Cereals:</b>									
8	Total.....	acres.....	1,970,492	15,853	791	3,561	40,799	466	105,380
9	Wheat.....	bushels.....	39,105,517	561,602	28,218	78,929	651,260	9,217	2,251,051
10	Corn.....	acres.....	51,055	503	301	359	80	708	
11	Oats.....	bushels.....	1,273,901	13,097	12,526	12,526	14,856	1,776	16,619
12	Barley.....	acres.....	192,158	1,725	135	1,354	1,432	108	771
13	Rye.....	bushels.....	4,143,088	53,745	7,274	30,813	54,085	2,121	12,556
14	Timothy.....	acres.....	475,217	6,075	236	11,809	1,610	61	11,108
15	Timothy and clover mixed.....	bushels.....	6,203,206	21,535	19,464	5,169	245,743	439	221,549
16	Barley.....	acres.....	1,195,158	12,650	38	1,513	17,705	222	89,985
17	Rye.....	bushels.....	26,441,954	473,575	1,480	29,071	326,447	4,833	1,949,223
18	Kafir corn and milo maize.....	acres.....	7,027						77
19	Other grains:	bushels.....	70,183						987
20	Dry peas.....	acres.....	44,308				409	5	2,598
21	Dry edible beans.....	bushels.....	938,049	10			9,529	48	48,418
22	Hay and forage:	acres.....	2,959	215				2	14
23	Dry peas.....	bushels.....	57,468	5,794				16	180
24	Dry edible beans.....	acres.....	157,987	86		3	27	8	1,083
25	Hay and forage:	bushels.....	3,328,218	2,933	3	31	150	238	20,087
26	Total.....	acres.....	2,533,347	80,735	3,846	14,449	55,982	15,281	29,581
27	All tame or cultivated grasses.....	tons.....	4,327,180	118,534	5,815	17,961	91,832	15,666	45,779
28	Timothy alone.....	acres.....	13,725	206	6	6	226	79	225
29	Timothy and clover mixed.....	tons.....	20,001	84	315	6	102	72	305
30	Clover alone.....	acres.....	46,661	115	351	29	157	118	160
31	Alfalfa.....	acres.....	73,183	567	10	33	81	102	10
32	Millet or Hungarian grass.....	tons.....	8,519	407	10	33	95	206	20
33	Other tame or cultivated grasses.....	acres.....	20,380	472	20	33	95	206	20
34	Wild, salt, or prairie grasses.....	tons.....	484,164	1,109	1,081	1,724	9,331	649	4,242
35	Grains cut green.....	acres.....	1,639,707	3,514	2,573	4,778	38,196	2,313	14,472
36	Coarse forage.....	tons.....	2,142	15					2
37	Special crops:	acres.....	2,688	30					4
38	Potatoes.....	bushels.....	90,414	5,202	697	968	1,984	662	70
39	Sweet potatoes and yams.....	acres.....	119,415	8,060	699	993	2,369	587	85
40	All other vegetables.....	acres.....	253,127	729	1,116	3,599	1,253	4,648	568
41	Sugar beets.....	acres.....	281,033	1,030	1,030	3,471	1,177	3,481	582
42	Grains cut green.....	acres.....	1,494,748	73,041	355	8,080	4,022	2,421	2,021
43	Coarse forage.....	tons.....	2,019,526	99,538	312	8,651	49,243	8,787	29,047
44	Special crops:	acres.....	25,868	129			174		56
45	Potatoes.....	bushels.....	60,611	507			319		426
46	Sweet potatoes and yams.....	acres.....	67,688	1,655	22	125	171	147	439
47	All other vegetables.....	acres.....	9,824,005	175,920	2,944	14,054	17,201	20,997	28,391
48	Sugar beets.....	bushels.....	5,111	1		1	21		6
49	All other vegetables.....	acres.....	572,814	140			2,345		482
50	Sugar beets.....	acres.....	79,163	7,459	14	315	513	278	160
51	Sugar beets.....	acres.....	78,957	2,516			711	1	211
52	Sugar beets.....	tons.....	845,191	29,201			6,977	1	1,834
<b>FRUITS AND NUTS</b>									
53	Total.....	tons.....	22,485,185	627,824	1,531	43,332	452,302	31,276	71,796
54	Apples.....	bushels.....	31,501,507	799,976	762	51,757	683,210	44,963	125,122
55	Peaches and nectarines.....	bushels.....	2,482,702	26,045	1,140	8,592	54,425	13,541	3,497
56	Pears.....	bushels.....	6,335,073	38,346	642	11,990	42,671	21,583	4,507
57	Plums and prunes.....	bushels.....	7,829,011	12,555	28	16,349	255,047	5,964	4,075
58	Cherries.....	bushels.....	9,267,118	14,561	40	20,606	356,683	6,794	2,372
59	Apricots.....	bushels.....	1,410,949	70,382	79	5,112	22,159	2,178	2,432
60	Almonds.....	bushels.....	1,928,097	99,994	26	4,430	25,318	1,906	1,906
61	Walnuts (Persian or English).....	bushels.....	7,168,705	157,981	214	10,685	104,474	8,265	57,468
62	Other fruits.....	bushels.....	9,317,979	157,270	42	11,889	252,141	9,901	111,658
63	Apples.....	bushels.....	522,304	80,284	63	1,148	4,317	459	223
64	Peaches and nectarines.....	bushels.....	501,013	89,662	7	1,588	4,403	329	228
65	Pears.....	bushels.....	2,992,453	270,461	2	1,197	9,900	672	4,420
66	Plums and prunes.....	bushels.....	4,066,823	399,035		949	11,126	465	3,323
67	Grapes.....	vines.....	144,097,670	2,390,950	9,000	314,604	258,742	212,300	492,417
68	Tropical fruits:	pounds.....	1,973,686,525	20,671,000	56,000	2,743,320	1,499,000	1,457,030	5,010,240
69	Total.....	tons.....	8,726,005	15,900	4	780	235,442	8,315	3,537
70	Figs.....	acres.....	269,001	482		347	9,518	1,839	1,291
71	Oranges.....	pounds.....	22,990,353	9,990		24,315	337,725	142,990	60,577
72	Lemons.....	boxes.....	6,015,805	3,782		151	147,412	288	1,537
73	Lemons.....	boxes.....	14,439,180	6,074		283	128,108	344	2,970
74	Lemons.....	boxes.....	941,293	660		8	2,233	199	199
75	Olives.....	boxes.....	2,756,221	2,144		12	1,222	37	148
76	Pomeles (grapefruit).....	boxes.....	836,347	10,963		274	73,453	4,065	336
77	Small fruits:	pounds.....	10,132,442	45,285	50	2,800	2,242,446	10,945	5,716
78	Strawberries.....	acres.....	43,424	4			122	3	70
79	Blackberries and dewberries.....	acres.....	122,515	2			171	2	147
80	Total.....	acres.....	9,687	401		29	148	34	7
81	Strawberries.....	quarts.....	26,824,120	880,867	1,510	46,124	207,794	37,948	12,564
82	Blackberries and dewberries.....	quarts.....	15,694,326	41,770		9,239	54,513	11,210	2,120
83	Walnuts (Persian or English).....	quarts.....	2,570	13			13	14	8
84	Total.....	quarts.....	4,898,524	20,225		18,655	70,765	13,366	7,039
85	Nuts:	acres.....	2,034,302	25,250	12	830	85,445	15,619	17,409
86	Almonds.....	pounds.....	28,378,115	210,142	75	7,602	832,019	51,332	105,782
87	Pecans.....	pounds.....	1,166,730	21,190	12	628	84,069	14,624	16,078
88	Walnuts (Persian or English).....	pounds.....	6,692,513	155,871	75	3,931	799,351	27,660	90,479
89	Other nuts.....	pounds.....	4,426	80		50	5,450	6	340
90	Walnuts (Persian or English).....	pounds.....	41,853	80		185	1,063	832	1,306
91	Walnuts (Persian or English).....	pounds.....	853,237	3,726		3,266	22,906	22,117	13,463
92	Walnuts (Persian or English).....	pounds.....	21,432,266	46,183					



TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

		Los Angeles.	Madera.	Marin.	Mariposa.	Mendocino.	Merced.	Modoc.	
<b>VALUE OF ALL CROPS</b>									
1	Total.....	dollars..	14,720,884	1,685,418	534,383	230,632	1,531,986	3,423,574	1,178,038
2	Cereals.....	dollars..	896,507	1,220,093	19,766	18,515	175,678	1,691,556	329,918
3	Other grains and seeds.....	dollars..	2,028,900	900	15	1,430	927	11,251	59,566
4	Hay and forage.....	dollars..	3,430,698	290,258	425,987	109,699	526,688	1,355,098	621,177
5	Vegetables.....	dollars..	1,255,093	27,995	42,916	28,024	121,941	187,563	98,574
6	Fruits and nuts.....	dollars..	6,731,532	126,124	31,816	43,025	166,534	147,964	49,894
7	All other crops.....	dollars..	2,278,626	21,138	13,883	29,539	549,218	30,142	17,569
<b>SELECTED CROPS (acres and quantity)</b>									
8	Cereals.....	acres.....	49,957	140,822	975	1,807	9,433	124,578	19,152
9	Total.....	acres.....	1,138,533	1,722,889	34,877	24,098	199,039	2,581,975	452,377
10	Corn.....	acres.....	9,084	1	52	174	533	1,877	6
11	Wheat.....	acres.....	249,295	50	2,061	2,330	14,454	52,778	209
12	Oats.....	acres.....	2,973	10,569	850	55	3,087	19,843	728
13	Barley.....	acres.....	38,720	175,047	31,430	1,100	81,859	338,041	22,138
14	Rye.....	acres.....	6,760	39,468	57	124	3,906	10,399	9,362
15	Wheat.....	acres.....	59,866	370,499	1,155	1,218	50,195	115,938	195,924
16	Barley.....	acres.....	32,804	90,341	16	1,474	1,904	88,143	8,680
17	Rye.....	acres.....	785,129	1,170,945	231	19,130	43,370	2,009,531	227,473
18	Rye.....	acres.....	100	100		20	3	2,108	406
19	Kafir corn and milo maize.....	acres.....	745	1,400		240	61	19,917	6,633
20	Kafir corn and milo maize.....	acres.....	106	343				2,206	
21	Kafir corn and milo maize.....	acres.....	2,145	4,948				45,770	
<b>Other grains:</b>									
22	Dry peas.....	acres.....	14				17		
23	Dry peas.....	acres.....	311				345		4
24	Dry edible beans.....	acres.....	3,874	15	1	62	5	523	88
25	Dry edible beans.....	acres.....	105,011	233	8	409	44	5,839	1,567
<b>Hay and forage:</b>									
26	Total.....	acres.....	154,048	17,406	17,469	8,521	27,015	68,917	75,479
27	Total.....	acres.....	316,541	29,878	37,872	8,049	38,085	173,335	118,808
28	All tame or cultivated grasses.....	acres.....	21,327	5,800	3,613	9,330	38,741	21,492	
29	Timothy alone.....	acres.....	104,137	16,796	5,966	506	14,525	145,392	43,750
30	Timothy alone.....	acres.....	25	5	80	65	180	1,612	
31	Timothy and clover mixed.....	acres.....	45	6	200	100	228	7	3,662
32	Timothy and clover mixed.....	acres.....				29	480		5,754
33	Clover alone.....	acres.....	52		80	34	578		10,195
34	Alfalfa.....	acres.....	152		80	6	556		317
35	Alfalfa.....	acres.....	19,027	5,735	25	28	2,401	37,842	10,869
36	Millet or Hungarian grass.....	acres.....	100,855	16,717	86	97	6,253	144,557	24,480
37	Millet or Hungarian grass.....	acres.....	63			15	40		40
38	Other tame or cultivated grasses.....	acres.....	142			46	26	31	40
39	Other tame or cultivated grasses.....	acres.....	2,160		3,428	177	5,895	784	3,227
40	Wild, salt, or prairie grasses.....	acres.....	2,943	73	6,000	223	6,884	680	5,373
41	Wild, salt, or prairie grasses.....	acres.....	651	516	169	683	1,164	10,308	50,379
42	Grains cut green.....	acres.....	793	423	179	659	1,178	7,228	70,143
43	Grains cut green.....	acres.....	129,978	11,283	13,055	5,472	16,429	19,751	3,496
44	Coarse forage.....	acres.....	189,836	12,757	20,787	4,884	21,356	20,293	4,992
45	Coarse forage.....	acres.....	1,545	7	132	7	61		
46	Coarse forage.....	acres.....	9,502	2	299		102	417	
<b>Special crops:</b>									
47	Potatoes.....	acres.....	4,140	75	435	76	616	246	346
48	Potatoes.....	acres.....	413,151	6,662	33,469	8,537	78,909	18,882	44,614
49	Sweet potatoes and yams.....	acres.....	342	2				2,114	
50	Sweet potatoes and yams.....	acres.....	44,142	100				255,938	546
51	All other vegetables.....	acres.....	13,385	256	117	193	594	389	2
52	Sugar beets.....	acres.....	14,191					2	9
53	Sugar beets.....	acres.....	162,059					24	137
<b>FRUITS AND NUTS</b>									
54	Total.....	acres.....	446,838	80,158	32,283	19,461	125,282	163,013	37,776
55	Total.....	acres.....	580,929	40,077	22,420	34,283	212,320	108,843	71,883
56	Apples.....	acres.....	101,433	20,576	15,995	16,001	63,263	8,941	28,969
57	Apples.....	acres.....	118,528	11,227	6,907	29,141	112,856	7,287	60,202
58	Peaches and nectarines.....	acres.....	160,197	40,989	6,313	1,518	6,228	134,991	2,113
59	Peaches and nectarines.....	acres.....	234,581	20,996	3,092	1,803	10,031	90,954	1,866
60	Pears.....	acres.....	16,149	1,185	4,151	701	15,829	1,888	
61	Pears.....	acres.....	21,101	1,164	8,979	1,528	23,668	5,704	3,334
62	Plums and prunes.....	acres.....	43,592	7,570	3,775	762	37,197	5,401	3,182
63	Plums and prunes.....	acres.....	34,295	435	2,625	1,168	63,356	3,437	4,660
64	Cherries.....	acres.....	795	40	165	120	1,181	343	963
65	Cherries.....	acres.....	108	20	111	216	1,574	64	1,033
66	Apricots.....	acres.....	122,769	9,468	1,689	233	187	7,381	652
67	Apricots.....	acres.....	181,079	6,188	633	415	305	4,263	788
68	Grapes.....	acres.....	4,923,877	1,530,630	115,198	28,647	924,191	1,281,342	795
69	Grapes.....	acres.....	44,846,307	21,105,970	1,982,560	285,740	6,471,050	12,088,751	7,100
<b>Tropical fruits:</b>									
70	Total.....	acres.....	1,984,402	22,532	387	4,378	370	18,613	
71	Figs.....	acres.....	5,736	3,321	201			9,837	
72	Oranges.....	acres.....	397,376	82,290	1,063	135,455	25,125	739,488	
73	Oranges.....	acres.....	1,674,695	4,844	79	1,169	4	1,572	
74	Lemons.....	acres.....	4,124,161	114	147	1,691	3	1,097	
75	Lemons.....	acres.....	219,149	15	36			209	
76	Olives.....	acres.....	704,301	16	20	50		217	
77	Olives.....	acres.....	84,934	18,010	48	2,711	7	6,981	
78	Pomeles (grapefruit).....	acres.....	1,549,419	38,035	150	2,452	100	90,619	
79	Pomeles (grapefruit).....	acres.....	6,853	2	5	1			
80	Pomeles (grapefruit).....	acres.....	11,810		9				
<b>Small fruits:</b>									
81	Total.....	acres.....	1,975	7	3	7	87	34	37
82	Strawberries.....	acres.....	7,857,887	4,270	5,130	8,765	89,492	47,811	44,168
83	Blackberries and dewberries.....	acres.....	1,280	1			22	5	9
84	Blackberries and dewberries.....	acres.....	5,135,263	1,750	1,750	1,217	35,295	8,377	10,113
85	Blackberries and dewberries.....	acres.....	280	3			14	21	9
86	Nuts.....	acres.....	1,019,735	1,380	380	4,470	11,900	25,230	11,515
87	Total.....	acres.....	359,349	2,797	212	262	782	17,845	27
88	Almonds.....	acres.....	6,204,703	8,535	1,497	4,970	33,040	127,157	535
89	Pecans.....	acres.....	2,778	159				229	
90	Pecans.....	acres.....	57,770	7,975	1,112	1,918	4,260	114,499	
91	Walnuts (Persian or English).....	acres.....	313	5				31	
92	Walnuts (Persian or English).....	acres.....	6,490					200	
93	Walnuts (Persian or English).....	acres.....	28,1837		91	91	360		3
94	Walnuts (Persian or English).....	acres.....	6,138,033	560	385	2,019	9,990	11,538	80





TABLE 4.—VALUE OF ALL CROPS AND PRINCIPAL CLASSES THEREOF, AND

		San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	
VALUE OF ALL CROPS										
1	Total.....	dollars..	9,082,240	2,481,812	1,385,371	3,568,250	6,968,438	2,408,435	939,785	234,154
2	Cereals.....	dollars..	3,238,767	869,268	260,218	585,079	170,190	94,360	74,831	25,769
3	Other grains and seeds.....	dollars..	553,577	517,452	36,742	869,908	265,665	24,514	410,592	189,874
4	Hay and forage.....	dollars..	1,763,286	181,886	361,246	771,922	1,587,494	327,572	104,532	180,874
5	Vegetables.....	dollars..	2,149,300	141,685	459,470	244,205	450,065	164,518	85,381	12,369
6	Fruits and nuts.....	dollars..	1,307,448	159,094	73,272	538,465	4,234,874	1,656,212	248,442	7,618
7	All other crops.....	dollars..	89,462	116,427	204,403	558,671	269,150	141,259	118,890	7,524
SELECTED CROPS (acres and quantity)										
Cereals:										
8	Total.....	acres.....	180,518	62,627	17,136	39,332	9,937	4,635	6,967	1,614
9	Wheat.....	bushels..	4,044,655	1,156,277	480,604	970,702	230,308	118,951	80,143	27,768
10	Corn.....	acres.....	2,547	1,509	11	1,240	411	1,136	163	40
11	Oats.....	bushels..	57,028	24,015	164	25,979	9,791	22,284	4,655	526
12	Barley.....	acres.....	23,208	1,139	16	10,494	247	2,282	723	526
13	Wheat.....	bushels..	396,661	35,884	462,566	233,171	9,424	59,812	8,915	11,431
14	Wheat.....	acres.....	24,786	33,608	68	2,300	376	217	3,783	383
15	Barley.....	bushels..	310,587	428,636	1,473	27,892	10,198	3,629	45,022	6,389
16	Barley.....	acres.....	125,114	26,379	917	36,294	8,903	1,000	1,238	466
17	Rye.....	bushels..	3,827,187	657,718	26,001	683,665	200,893	34,226	21,551	7,392
18	Rye.....	acres.....	1,843	.....	.....	3	.....	.....	.....	238
19	Kafir corn and milo maize.....	bushels..	17,476	.....	.....	30	.....	.....	.....	2,546
20	Kafir corn and milo maize.....	acres.....	2,968	1	.....	.....	.....	.....	.....	.....
21	Kafir corn and milo maize.....	bushels..	32,786	24	.....	.....	.....	.....	.....	.....
Other grains:										
22	Dry peas.....	acres.....	562	85	186	12	.....	2	.....	3
23	Dry peas.....	bushels..	10,860	1,209	4,125	27	.....	15	.....	.....
24	Dry edible beans.....	acres.....	13,964	11,169	466	22,355	706	577	49	.....
25	Dry edible beans.....	bushels..	352,157	207,674	14,435	367,385	8,810	12,645	685	.....
Hay and forage:										
26	Total.....	acres.....	104,918	55,000	19,060	50,070	83,553	19,637	35,341	20,622
27	Timothy alone.....	tons.....	174,448	70,225	23,982	70,146	127,006	25,244	46,678	22,234
28	All tame or cultivated grasses.....	acres.....	13,528	2,912	2,512	993	5,610	703	13,162	4,167
29	Timothy alone.....	tons.....	42,373	4,801	3,744	2,722	14,495	1,746	25,486	5,261
30	Timothy alone.....	acres.....	.....	.....	.....	.....	.....	3,083	388	.....
31	Timothy alone.....	tons.....	.....	.....	.....	.....	46	450	4,118	570
32	Timothy and clover mixed.....	acres.....	190	.....	6	100	.....	2,165	1,789	.....
33	Clover alone.....	tons.....	320	.....	6	150	.....	2,847	2,020	.....
34	Clover alone.....	acres.....	70	.....	18	70	.....	76	269	.....
35	Alfalfa.....	tons.....	352	.....	36	100	355	170	530	37
36	Alfalfa.....	acres.....	8,805	989	11	635	3,073	255	6,698	1,125
37	Alfalfa.....	acres.....	36,859	2,658	52	2,205	11,486	1,090	16,874	1,712
38	Alfalfa.....	acres.....	840	35	5	.....	.....	.....	30	.....
39	Alfalfa.....	tons.....	867	40	12	.....	.....	.....	40	.....
40	Other tame or cultivated grasses.....	acres.....	3,633	1,888	2,472	223	2,275	28	917	839
41	Wild, salt, or prairie grasses.....	tons.....	3,975	2,103	3,638	227	2,606	36	1,077	922
42	Wild, salt, or prairie grasses.....	acres.....	10,248	890	82	479	1,303	29	13,158	15,772
43	Grains cut green.....	tons.....	12,286	1,038	57	519	1,352	29	12,716	16,253
44	Grains cut green.....	acres.....	80,851	50,954	16,466	47,602	76,399	16,609	8,525	683
45	Coarse forage.....	tons.....	119,032	62,650	25,181	64,690	109,051	22,376	7,836	720
46	Coarse forage.....	acres.....	275	304	.....	785	680	496	.....	.....
47	Coarse forage.....	tons.....	593	1,736	.....	1,269	781	284	540	.....
Special crops:										
48	Potatoes.....	acres.....	21,313	955	971	1,524	1,085	1,080	243	46
49	Potatoes.....	bushels..	4,279,996	105,277	109,879	151,532	105,617	128,977	27,756	5,016
50	Sweet potatoes and yams.....	acres.....	19	3	.....	28	.....	.....	16	.....
51	All other vegetables.....	bushels..	1,611	288	.....	3,802	.....	78	2,279	.....
52	Sugar beets.....	acres.....	6,728	950	3,210	1,588	4,241	648	577	35
53	Sugar beets.....	acres.....	132	284	.....	11,320	1,133	312	.....	.....
54	Sugar beets.....	tons.....	1,429	593	.....	90,849	8,150	3,511	.....	.....
FRUITS AND NUTS										
55	Total.....	trees.....	364,290	93,217	43,655	34,200	5,043,766	975,642	282,136	4,009
56	Apples.....	bushels..	396,033	117,126	50,130	89,838	5,807,585	2,266,344	387,566	5,768
57	Apples.....	acres.....	5,053	35,006	18,634	2,744	102,841	647,136	33,440	3,398
58	Peaches and nectarines.....	bushels..	7,019	56,047	31,317	38,511	118,603	2,090,968	47,556	4,895
59	Peaches and nectarines.....	acres.....	155,073	10,614	572	9,560	457,677	11,868	98,360	157
60	Pears.....	bushels..	229,175	10,325	643	11,337	574,514	10,783	110,712	83
61	Pears.....	acres.....	13,664	5,097	1,688	2,612	142,550	23,100	33,952	148
62	Plums and prunes.....	bushels..	13,096	8,869	1,923	5,148	206,214	33,456	61,803	414
63	Plums and prunes.....	acres.....	83,641	21,385	18,279	2,730	3,387,455	112,299	87,969	232
64	Cherries.....	bushels..	102,991	15,236	14,086	4,822	3,854,070	109,959	159,696	262
65	Cherries.....	acres.....	21,590	702	671	659	173,002	17,608	2,785	67
66	Apricots.....	bushels..	13,609	463	228	238	90,198	25,368	2,311	114
67	Apricots.....	acres.....	53,067	20,123	3,694	15,512	783,588	63,021	829	.....
68	Apricots.....	bushels..	27,474	23,929	1,259	29,237	958,163	95,042	2,141	.....
69	Grapes.....	vines.....	13,371,794	265,481	124,990	208,565	5,584,480	1,365,414	117,481	.....
70	Grapes.....	pounds..	175,879,915	1,937,110	695,440	590,483	41,129,250	7,315,935	643,463	.....
Tropical fruits:										
71	Total.....	acres.....	26,070	4,253	7,249	99,023	18,023	2,979	11,986	.....
72	Figs.....	acres.....	4,037	819	36	808	985	333	2,306	.....
73	Oranges.....	pounds..	222,043	43,317	525	40,295	31,500	12,845	53,270	.....
74	Oranges.....	acres.....	1,950	794	25	2,426	1,905	330	55	.....
75	Lemons.....	boxes...	1,854	1,225	9	12,272	1,354	151	39	.....
76	Lemons.....	acres.....	75	955	1	46,181	996	349	7	.....
77	Olives.....	boxes...	1,475	1	1	134,168	1,201	233	1	.....
78	Olives.....	acres.....	19,998	1,597	7,187	44,258	13,945	1,243	9,616	.....
79	Pomeles (grapefruit).....	pounds..	506,268	28,877	141,006	1,275,022	639,227	2,500	7,541	.....
80	Pomeles (grapefruit).....	acres.....	2	75	.....	716	57	7	.....	.....
81	Pomeles (grapefruit).....	boxes...	.....	49	.....	931	9	6	.....	.....
Small fruits:										
82	Total.....	acres.....	92	137	69	63	1,011	744	95	6
83	Strawberries.....	quarts..	226,154	131,117	232,655	233,123	1,785,965	1,707,208	112,667	5,997
84	Blackberries and dewberries.....	acres.....	33	45	56	24	460	489	44	2
85	Blackberries and dewberries.....	quarts..	93,367	61,895	210,550	125,766	98,600	1,384,784	51,975	2,623
86	Blackberries and dewberries.....	acres.....	31	30	10	32	116	32	1	.....
87	Blackberries and dewberries.....	quarts..	51,650	42,845	15,030	99,084	304,022	163,757	35,067	964
Nuts:										
88	Total.....	acres.....	99,499	17,264	331	97,091	48,399	4,757	9,339	24
89	Almonds.....	pounds..	654,098	277,773	2,435	2,681,694	469,828	40,640	64,760	1,280
90	Almonds.....	acres.....	97,024	9,281	94	239	25,862	240	8,056	.....
91	Pecans.....	pounds..	547,300	46,960	425	3,150	198,186	1,855	45,210	.....
92	Pecans.....	acres.....	6	1	.....	70	136	6	7	.....
93	Walnuts (Persian or English).....	pounds..	250	.....	.....	130	1,000	.....	100	.....
94	Walnuts (Persian or English).....	acres.....	2,455	7,871	223	96,776	19,070	4,015	1,168	24
95	Walnuts (Persian or English).....	pounds..	6,548	223,493	2,010	2,678,639	227,955	25,880	14,380	1,260



TABLE 5.—SELECTED FARM EXPENSES AND RECEIPTS, BY COUNTIES: 1909.

		THE STATE.	Alameda	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	Contra Costa.	Del Norte.	Eldorado.
1	Labor..... Farms reporting.....	55,887	1,679	37	308	782	380	489	1,031	75	325
2	..... Cash expended..... dollars.....	42,205,915	1,137,758	33,513	117,281	694,096	74,436	474,376	897,938	49,684	68,885
3	..... Rent and board furnished.....	7,779,284	198,459	11,784	35,276	127,711	31,297	104,139	214,073	13,977	13,247
4	Fertilizer..... Farms reporting.....	7,470	103	.....	6	145	23	10	21	2	26
5	..... Amount expended..... dollars.....	2,143,993	17,723	.....	208	24,935	649	266	1,879	77	467
6	Feed..... Farms reporting.....	49,372	1,622	.....	222	506	404	310	832	55	407
7	..... Amount expended..... dollars.....	12,676,903	503,529	2,789	38,313	130,014	35,887	53,438	339,727	5,332	44,190
8	Receipts from sale of feedable crops.....	21,329,528	1,075,258	5,979	69,583	379,080	48,520	984,361	1,180,286	3,577	28,163
		Fresno.	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.	Kings.	Lake.	Lassen.	Los Angeles.
1	Labor..... Farms reporting.....	4,428	377	955	781	278	734	1,185	352	351	4,915
2	..... Cash expended..... dollars.....	3,110,864	448,080	456,280	688,593	134,455	853,726	897,245	103,159	212,111	3,683,385
3	..... Rent and board furnished.....	418,302	127,560	126,272	137,535	41,960	199,375	205,374	26,918	73,496	417,297
4	Fertilizer..... Farms reporting.....	459	11	30	6	12	11	2	3	1,607	.....
5	..... Amount expended..... dollars.....	34,491	906	1,680	681	221	1,430	790	40	63	669,152
6	Feed..... Farms reporting.....	3,817	314	959	413	202	566	827	237	234	4,484
7	..... Amount expended..... dollars.....	519,529	50,996	128,237	98,693	45,458	81,682	112,208	21,197	33,015	1,302,854
8	Receipts from sale of feedable crops.....	508,183	494,437	169,348	632,326	104,799	409,935	503,538	72,533	126,700	536,646
		Madera.	Marin.	Mariposa.	Mendocino.	Merced.	Modoc.	Mono.	Monterey.	Napa.	Nevada.
1	Labor..... Farms reporting.....	294	332	155	691	799	468	80	1,124	981	284
2	..... Cash expended..... dollars.....	377,091	275,980	37,920	389,696	908,711	285,265	76,100	1,039,739	512,190	70,041
3	..... Rent and board furnished.....	103,765	117,951	13,419	74,606	285,975	84,514	21,174	247,348	101,941	16,240
4	Fertilizer..... Farms reporting.....	6	2	1	17	130	1	.....	15	27	40
5	..... Amount expended..... dollars.....	608	35	60	866	3,909	.....	.....	1,232	1,290	892
6	Feed..... Farms reporting.....	207	392	226	684	765	277	38	729	997	434
7	..... Amount expended..... dollars.....	32,910	481,154	33,796	88,424	111,718	52,774	9,579	215,863	198,650	73,196
8	Receipts from sale of feedable crops.....	308,661	16,770	17,935	156,967	641,264	179,862	15,525	1,130,326	135,568	28,256
		Orange.	Placer.	Plumas.	Riverside.	Sacramento.	San Benito.	San Bernardino.	San Diego.	San Francisco.	San Joaquin.
1	Labor..... Farms reporting.....	1,842	724	168	1,723	1,065	604	2,235	1,263	91	2,336
2	..... Cash expended..... dollars.....	1,163,619	424,937	110,463	1,147,783	1,459,169	439,399	1,706,117	723,419	153,718	2,031,854
3	..... Rent and board furnished.....	90,949	80,292	39,780	115,235	297,861	73,915	105,609	157,446	55,962	442,703
4	Fertilizer..... Farms reporting.....	476	81	3	706	65	6	1,624	232	22	83
5	..... Amount expended..... dollars.....	71,118	7,786	260	323,568	15,274	191	708,516	42,429	6,031	10,657
6	Feed..... Farms reporting.....	1,904	818	123	1,215	955	453	1,832	1,282	94	1,692
7	..... Amount expended..... dollars.....	422,070	150,418	16,164	251,682	258,741	129,738	525,462	242,740	192,373	341,590
8	Receipts from sale of feedable crops.....	477,490	67,223	72,061	934,278	145,101	479,570	302,493	538,051	.....	2,361,896
		San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.	Sonoma.
1	Labor..... Farms reporting.....	1,001	473	973	3,341	896	501	83	690	881	2,781
2	..... Cash expended..... dollars.....	703,251	543,604	1,149,349	2,207,733	495,036	211,790	73,167	330,372	1,080,682	1,534,669
3	..... Rent and board furnished.....	186,936	206,897	206,023	252,221	88,387	56,161	24,389	105,327	191,969	258,391
4	Fertilizer..... Farms reporting.....	13	54	50	153	42	25	6	13	18	121
5	..... Amount expended..... dollars.....	1,027	13,450	8,133	16,703	3,537	1,066	140	571	4,142	12,585
6	Feed..... Farms reporting.....	760	341	650	2,971	1,022	632	68	610	657	3,711
7	..... Amount expended..... dollars.....	125,096	412,290	207,555	726,451	293,686	80,530	13,413	77,835	210,506	2,010,285
8	Receipts from sale of feedable crops.....	322,663	274,031	476,577	331,396	112,972	113,088	38,537	215,777	747,296	301,619
		Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.	Indian res.
1	Labor..... Farms reporting.....	1,323	658	504	165	2,397	259	1,081	947	242	.....
2	..... Cash expended..... dollars.....	728,023	546,917	509,523	47,666	1,753,226	69,654	1,504,650	998,724	242,781	.....
3	..... Rent and board furnished.....	186,457	113,676	75,303	14,287	266,853	23,710	172,047	219,330	48,002	.....
4	Fertilizer..... Farms reporting.....	673	3	5	2	144	19	126	6	9	.....
5	..... Amount expended..... dollars.....	23,180	80	685	170	41,765	1,347	57,432	5,050	2,765	.....
6	Feed..... Farms reporting.....	1,170	467	581	137	1,908	283	834	535	308	.....
7	..... Amount expended..... dollars.....	172,951	79,443	95,291	9,911	333,430	39,478	367,748	83,322	52,572	.....
8	Receipts from sale of feedable crops.....	629,532	402,157	104,660	49,257	456,061	55,682	297,845	998,968	43,821	.....

TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS NOT ON FARMS, BY COUNTIES: APRIL 15, 1910.

	THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	Contra Costa.	Del Norte.	Eldorado.
1	Inclusures reporting domestic animals.....	56,987	4,925	11	242	702	406	331	770	65
2	Value of domestic animals.....dollars..	18,797,015	1,470,461	2,465	66,504	218,713	85,817	142,975	176,194	14,366
3	<b>Cattle:</b>									
4	Total number.....	46,176	2,938	7	303	686	1,056	479	736	75
5	Value.....dollars.....	1,604,717	114,183	196	7,799	24,553	23,863	13,964	24,809	1,743
6	Number of dairy cows.....	29,962	2,147	4	213	434	444	299	467	44
7	<b>Horses:</b>									
8	Total number.....	132,521	11,439	16	492	1,835	746	726	1,378	114
9	Value.....dollars.....	15,142,841	1,294,628	1,865	55,565	191,619	58,917	71,600	145,530	12,415
10	Number of mature horses.....	130,263	11,367	15	489	1,903	711	694	1,339	108
11	<b>Mules and asses and burros:</b>									
12	Total number.....	11,649	289	2	34	16	22	291	48	1
13	Value.....dollars.....	1,683,495	40,777	300	2,695	1,028	2,102	56,000	6,340	200
14	Number of mature mules.....	10,449	271	2	22	12	21	283	44	1
15	<b>Swine:</b>									
16	Total number.....	12,168	429	5	56	201	107	172	103	1
17	Value.....dollars.....	100,761	4,978	38	455	1,444	847	1,039	860	8
18	<b>Sheep and goats:</b>									
19	Total number.....	71,744	3,065	22	23	32	32	131	92	1
20	Value.....dollars.....	265,201	15,895	66	69	88	472	555	555	993
	Fresno.	Gleau.	Humboldt.	Imperial.	Ioyo.	Kern.	Kings.	Lake.	Lassen.	Los Angeles.
1	Inclusures reporting domestic animals.....	2,102	256	888	367	286	988	491	200	233
2	Value of domestic animals.....dollars..	654,329	103,839	216,293	251,464	191,697	771,144	152,089	48,961	129,221
3	<b>Cattle:</b>									
4	Total number.....	1,428	313	1,363	244	315	820	243	365	313
5	Value.....dollars.....	50,855	10,311	42,510	10,340	9,255	26,134	10,438	9,092	8,190
6	Number of dairy cows.....	1,149	238	715	174	136	453	183	210	185
7	<b>Horses:</b>									
8	Total number.....	4,325	694	1,549	1,278	902	3,565	1,005	395	743
9	Value.....dollars.....	509,973	75,710	165,044	148,097	79,606	428,208	128,955	36,095	61,885
10	Number of mature horses.....	4,129	673	1,527	1,231	834	3,490	1,000	333	677
11	<b>Mules and asses and burros:</b>									
12	Total number.....	674	115	29	559	761	1,482	24	24	26
13	Value.....dollars.....	98,960	17,580	1,290	85,785	44,612	290,428	11,120	2,180	1,440
14	Number of mature mules.....	632	108	10	541	622	1,406	16	22	8
15	<b>Swine:</b>									
16	Total number.....	3,281	43	1,132	878	140	108	124	193	87
17	Value.....dollars.....	340	212	6,544	5,684	1,073	1,374	1,652	796	634
18	<b>Sheep and goats:</b>									
19	Total number.....	58	5	165	435	16,111	7,597	5	34	18,064
20	Value.....dollars.....	261	26	995	1,558	57,107	25,000	24	198	57,072
	Madera.	Marin.	Mariposa.	Meadocono.	Merced.	Modoc.	Mono.	Monterey.	Napa.	Nevada.
1	Inclusures reporting domestic animals.....	223	434	49	632	235	277	34	578	460
2	Value of domestic animals.....dollars..	63,219	157,304	25,246	150,714	115,025	87,742	20,663	200,934	97,902
3	<b>Cattle:</b>									
4	Total number.....	155	361	42	806	130	433	65	505	251
5	Value.....dollars.....	5,872	12,569	1,091	22,275	5,246	12,043	1,698	13,975	8,941
6	Number of dairy cows.....	119	265	30	822	101	237	30	278	204
7	<b>Horses:</b>									
8	Total number.....	1,923	1,442	451	2,815	3,917	407	2,977	3,303	2,184
9	Value.....dollars.....	224,502	158,613	62,145	318,158	455,185	42,440	343,234	415,650	2,706,034
10	Number of mature horses.....	1,883	1,397	442	2,723	3,868	384	2,940	3,236	2,114
11	<b>Mules and asses and burros:</b>									
12	Total number.....	179	102	14	249	74	4	757	434	320
13	Value.....dollars.....	31,215	20,123	660	31,295	8,215	165	103,895	75,193	46,540
14	Number of mature mules.....	173	143	7	198	69	2	615	385	316
15	<b>Swine:</b>									
16	Total number.....	60	232	79	131	164	20	409	15	1,243
17	Value.....dollars.....	795	2,186	635	1,091	1,419	160	4,862	129	16,362
18	<b>Sheep and goats:</b>									
19	Total number.....	649	78	6	2,833	80	1,324	118	2,924	84
20	Value.....dollars.....	1,728	141	32	7,065	307	4,174	928	13,274	355
	Orange.	Placer.	Plumas.	Riverside.	Sacramento.	San Benito.	San Bernardino.	San Diego.	San Francisco.	San Joaquin.
1	Inclusures reporting domestic animals.....	1,364	629	145	1,519	1,567	1,732	1,614	3,470	1,168
2	Value of domestic animals.....dollars..	296,081	210,454	69,174	398,921	489,685	47,174	508,094	537,729	2,364,319
3	<b>Cattle:</b>									
4	Total number.....	885	1,076	162	1,163	646	148	1,671	1,210	2,280
5	Value.....dollars.....	38,441	29,391	5,702	41,312	24,559	4,409	51,926	45,829	82,089
6	Number of dairy cows.....	787	475	87	834	506	93	875	936	671
7	<b>Horses:</b>									
8	Total number.....	1,923	1,442	451	2,815	3,917	407	2,977	3,303	2,184
9	Value.....dollars.....	224,502	158,613	62,145	318,158	455,185	42,440	343,234	415,650	2,706,034
10	Number of mature horses.....	1,883	1,397	442	2,723	3,868	384	2,940	3,236	2,114
11	<b>Mules and asses and burros:</b>									
12	Total number.....	179	102	14	249	74	4	757	434	320
13	Value.....dollars.....	31,215	20,123	660	31,295	8,215	165	103,895	75,193	46,540
14	Number of mature mules.....	173	143	7	198	69	2	615	385	316
15	<b>Swine:</b>									
16	Total number.....	60	232	79	131	164	20	409	15	1,243
17	Value.....dollars.....	795	2,186	635	1,091	1,419	160	4,862	129	16,362
18	<b>Sheep and goats:</b>									
19	Total number.....	649	78	6	2,833	80	1,324	118	2,924	84
20	Value.....dollars.....	1,728	141	32	7,065	307	4,174	928	13,274	355

TABLE 6.—NUMBER AND VALUE OF DOMESTIC ANIMALS **NOT** ON FARMS, BY COUNTIES: APRIL 15, 1910—Continued.

		San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.	Sonoma.
1	Inclosures reporting domestic animals....	663	806	1,270	2,654	890	446	132	580	663	1,222
2	Value of domestic animals.....dollars..	174,961	191,880	414,662	706,416	208,894	148,438	46,553	182,299	145,135	244,023
3	<b>Cattle:</b>										
4	Total number.....	1,144	913	1,010	1,105	536	948	180	745	579	959
5	Value.....dollars..	29,627	30,380	35,813	45,933	19,149	22,641	5,770	22,422	21,886	28,440
6	Number of dairy cows.....	585	601	842	934	440	324	105	414	475	670
7	<b>Horses:</b>										
8	Total number.....	1,301	1,424	2,801	5,156	1,543	1,274	312	1,393	1,108	2,166
9	Value.....dollars..	143,159	154,470	366,561	650,512	182,289	118,140	34,800	147,453	120,906	211,969
10	Number of mature horses.....	1,236	1,400	2,732	5,094	1,511	1,219	307	1,371	1,086	2,148
11	<b>Mules and asses and burros:</b>										
12	Total number.....	18	23	73	66	66	60	55	130	19	23
13	Value.....dollars..	1,475	1,755	11,160	7,727	6,595	3,630	5,610	10,750	1,990	2,140
14	Number of mature mules.....	14	20	54	56	56	34	51	119	18	19
15	<b>Swine:</b>										
16	Total number.....	52	964	40	125	65	486	35	229	24	164
17	Value.....dollars..	359	4,774	329	1,338	506	2,797	295	1,536	215	1,389
18	<b>Sheep and goats:</b>										
19	Total number.....	18	114	61	116	79	529	42	28	31	27
20	Value.....dollars..	341	501	799	906	355	1,230	78	138	138	85

		Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.
1	Inclosures reporting domestic animals....	685	189	256	133	856	459	675	515	109
2	Value of domestic animals.....dollars..	223,751	63,484	71,733	43,066	264,067	115,081	189,457	122,077	58,592
3	<b>Cattle:</b>									
4	Total number.....	653	387	273	508	831	740	576	371	179
5	Value.....dollars..	28,323	12,311	8,694	11,326	31,500	19,388	20,213	14,066	5,274
6	Number of dairy cows.....	485	204	172	110	543	350	404	281	106
7	<b>Horses:</b>									
8	Total number.....	1,454	386	568	277	1,765	923	1,374	834	386
9	Value.....dollars..	181,640	42,708	61,930	28,490	208,058	84,274	151,039	100,841	51,105
10	Number of mature horses.....	1,423	355	546	267	1,724	913	1,326	803	376
11	<b>Mules and asses and burros:</b>									
12	Total number.....	99	19	6	48	137	108	93	30	15
13	Value.....dollars..	12,800	2,750	890	2,410	23,620	7,465	12,920	5,345	1,854
14	Number of mature mules.....	91	18	4	31	119	87	82	24	14
15	<b>Swine:</b>									
16	Total number.....	157	83	35	165	100	319	280	195	47
17	Value.....dollars..	985	546	180	840	806	2,844	4,108	1,715	348
18	<b>Sheep and goats:</b>									
19	Total number.....	3	1,963	12	.....	16	473	41	43	2
20	Value.....dollars..	3	5,109	39	.....	83	1,110	177	170	11

## CHAPTER 4.

# STATISTICS OF IRRIGATION FOR THE STATE AND ITS COUNTIES.

**Introduction.**—This chapter presents the larger part of the statistics of irrigation for California obtained in connection with the Thirteenth Census. The statistics of the number of farms and acreage irrigated, cost of operation and maintenance, and irrigated crops are for the calendar year 1909; those of irrigation works, cost of enterprises, acreage enterprises were capable of irrigating in 1910, and acreage included in projects are of the date July 1, 1910.

These statistics have been collected under the law of February 25, 1910, which contained the following clause relating to irrigation:

Inquiries shall also be made as to the location and character of irrigation enterprises, quantity of land irrigated in the arid region of the United States and in each state and county in that section under state and Federal laws; the price at which these lands, including water rights, are obtainable; the character and value of crops produced on irrigated lands, the amount of water used per acre for said irrigation and whether it was obtainable from national, state, or private works; the location of the various projects and methods of construction, with facts as to their physical condition; the amount of capital invested in such irrigation works.

The information called for by this law which could be supplied by farm operators was obtained on supplemental schedules by the regular census enumerators as a part of the agricultural census. The remaining data, which were supplied by the owners or officials of irrigation enterprises, were obtained on special schedules by special agents. The data relating to number of farms irrigated and irrigated crops are taken from the supplemental schedules, while all data relating to acreage irrigated and to irrigation works and their construction and operation are taken from the special schedules.

In accordance with the law, the data collected have been classified primarily on the basis of the state and Federal laws by virtue of which the land was brought under irrigation. The results are presented in detail at the end of this chapter and summarized in text tables.

Such of the terms used as are not self-explanatory are defined below.

**Farms irrigated.**—The number of "farms irrigated" is the number of farms on which irrigation is practiced and is equivalent to the term "number of irrigators" used in previous census reports.

**Types of enterprise.**—The types of enterprise under which the lands irrigated in 1909 are classified are as follows:

*United States Reclamation Service enterprises*, which operate under the Federal law of June 17, 1902, providing for the con-

struction of irrigation works with the receipts from the sale of public lands.

*United States Indian Service enterprises*, which operate under various acts of Congress providing for the construction by that service of works for the irrigation of land in Indian reservations.

*Carey Act enterprises*, which operate under the Federal law of August 18, 1894, granting to each of the states in the arid region 1,000,000 acres of land on condition that the state provide for its irrigation, and under amendments to that law granting additional areas to Idaho and Wyoming.

*Irrigation districts*, which are public corporations that operate under state laws providing for their organization and management, and empowering them to issue bonds and levy and collect taxes with the object of obtaining funds for the purchase or construction, and for the operation and maintenance of irrigation works.

*Cooperative enterprises*, which are controlled by the water users under some organized form of cooperation. The most common form of organization is the stock company, the stock of which is owned by the water users.

*Commercial enterprises*, which supply water for compensation to parties who own no interest in the works. Persons obtaining water from such enterprises are usually required to pay for the right to receive water, and to pay, in addition, annual charges based in some instances on the acreage irrigated and in others on the quantity of water received.

*Individual and partnership enterprises*, which belong to individual farmers or to neighboring farmers, who control them without formal organization. It is not always possible to distinguish between partnership and cooperative enterprises, but as the difference is slight this is unimportant.

**Source of water supply.**—Of the terms used in the classification according to source of water supply, none requires explanation except "reservoirs." The only reservoirs which are treated as independent sources of supply are those filled by collecting storm water or from watercourses that are ordinarily dry. When reservoirs are filled from streams or wells, the primary source is considered the source of supply.

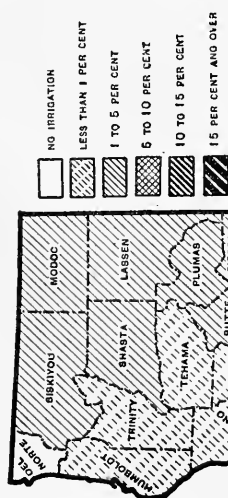
**Acre-foot.**—The "acre-foot," used to express the capacity of reservoirs, is the volume of water required to cover 1 acre to a depth of 1 foot, or 43,560 cubic feet.

**Cost.**—The cost of irrigation enterprises is that given by the owners. For the larger works the cost given is taken, in most cases, from the books of account and represents the actual cost. In the case of most of the private and partnership and many of the cooperative enterprises, however, the works were built by their owners without records of money or labor expended, and the cost given represents the owners' estimates. The cost reported for 1910 includes the cost of construction and of acquiring rights. The latter usually consists of filing fees only. In some instances it includes the purchase price of rights, but these cases are so rare that they are unimportant. The cost reported for 1899 is designated "cost of construction," but probably includes the cost of acquiring rights, as in 1910. The average cost per acre is based on the acreage enterprises were capable of irrigating in 1910 and the cost to July 1, 1910.

PER CENT OF TOTAL LAND IRRIGATED, AND PER CENT OF NUMBER OF FARMS IRRIGATED, IN CALIFORNIA, BY COUNTIES: 1909.

PER CENT OF TOTAL LAND AREA IRRIGATED.

[Per cent for the state, 2.7.]



PER CENT OF NUMBER OF FARMS IRRIGATED.

[Per cent for the state, 44.6.]





## FARMS AND ACREAGE IRRIGATED.

California is traversed by the Sierra Nevada Mountains and the Coast Range, both of which are parallel to the coast in a general way. The greater part of the agricultural land of the state lies in the great central valley between these ranges and in the portion of the state south of the Kern River Mountains. In most sections of the state there is usually sufficient rainfall for the maturing of some crops, although there are some sections where no crops can be grown without irrigation. The normal annual precipitation ranges from about 2 inches in the Imperial Valley, in the southeastern part of the state, to about 60 inches along the coast in the northwestern part.

Irrigation is practiced to some extent throughout the state, but the larger part of the irrigated land lies in the southern part of the great central valley and in

the southern part of the state. The location of the irrigated lands of the state is indicated in a general way by the maps on the opposite page, in which the different counties are graphically classified with reference to the percentage which the irrigated land forms of the total land area and the percentage which irrigated farms represent of all farms.

The following table shows for the state as a whole the number of farms and acreage irrigated in 1909, in comparison with the total number of farms, the total land area, the total land in farms, and the total acreage of improved land in farms in 1910, together with the areas not yet irrigated for which water was available in 1910 and the acreage included in projects completed or under way in 1910. Comparative data for the census of 1900 are included as far as possible.

	CENSUS OF—		INCREASE, <sup>1</sup>	
	1910	1900	Amount.	Per cent.
Number of all farms.....	<sup>2</sup> 88, 197	<sup>3</sup> 72, 542	15, 655	21. 6
Approximate land area of the state..... acres.	99, 617, 280	99, 617, 280		
Land in farms..... acres.	<sup>2</sup> 27, 931, 444	<sup>3</sup> 28, 828, 951	—897, 507	—3. 1
Improved land in farms..... acres.	<sup>2</sup> 11, 389, 894	<sup>3</sup> 11, 958, 837	—568, 943	—4. 8
Number of farms irrigated.....	<sup>4</sup> 39, 352	<sup>5</sup> 25, 675	13, 677	53. 3
Acreage irrigated.....	<sup>4</sup> 2, 664, 104	<sup>5</sup> 1, 446, 114	1, 217, 990	84. 2
Acreage enterprises were capable of irrigating.....	<sup>6</sup> 3, 619, 378	( <sup>7</sup> )		
Acreage included in projects.....	<sup>6</sup> 5, 490, 360	( <sup>7</sup> )		
Percentage irrigated of—				
Number of all farms.....	44. 6	35. 4	9. 2	
Approximate land area of the state.....	2. 7	1. 5	1. 2	
Land in farms.....	9. 5	5. 0	4. 5	
Improved land in farms.....	23. 4	12. 1	11. 3	
Excess of acreage enterprises were capable of irrigating in 1910 over acreage irrigated in 1909.....	955, 274			
Excess of acreage included in projects over acreage irrigated in 1909.....	2, 826, 256			

<sup>1</sup> A minus sign (—) denotes decrease.

<sup>2</sup> April 15.

<sup>3</sup> June 1.

<sup>4</sup> In 1909.

<sup>5</sup> In 1909.

<sup>6</sup> July 1.

<sup>7</sup> Not reported.

**Number of farms irrigated.**—The number of farms irrigated is made up of the number reported on the supplemental schedules by the regular enumerators, together with an estimate of the number of farms covered by enterprises which were reported by special agents but not by the regular enumerators. This estimate was based upon the average acreage irrigated per farms as shown by the supplemental schedules.

According to the figures presented in the table, irrigation was practiced on somewhat more than two-fifths (44.6 per cent) of the farms in the state in 1909. In 1899 the proportion of irrigated farms was 35.4 per cent and in 1889 it was only 26 per cent. Thus in both decades the number of irrigated farms increased at a higher rate than the number of unirrigated farms.

In 24 of the 58 counties in the state more than half the farms are irrigated, in 2 the proportion is between 40 and 50 per cent, in 5 it is between 30 and 40

per cent, in 7 between 20 and 30 per cent, and in 8 between 10 and 20 per cent, while in 11 it is less than 10 per cent. No irrigation was reported from Del Norte County, in the extreme northwestern part of the state.

In general the counties in which the percentage of farms irrigated is highest are in the south central and southeastern parts of the state, where the climate is so dry as to make irrigation almost essential to the successful growing of crops. Along the coast in the northern part of the state and in the region surrounding San Francisco Bay irrigation is less generally practiced. Imperial County has the largest percentage of farms irrigated, 94.6, and Inyo the next largest, 93.2 per cent.

From 1899 to 1909 the increase in the number of farms irrigated was 9.2 per cent for the state as a whole. Of the 53 irrigated counties which did not change in

area during that period, 28 show increases, varying greatly in degree, and 15 decreases, while for 10 comparative figures are not available. Increases are reported for the combined territory of Fresno and Kings Counties and for the territory which constituted San Diego County in 1900 and Imperial and San Diego Counties in 1910.

**Acres irrigated.**—The acreage irrigated is taken from the special schedules filled out by agents from information secured from owners or officials of irrigation enterprises and, in some instances, from public records. The acreage thus obtained is considerably larger than the irrigated acreage reported on the supplemental schedules filled out by the farm enumerators. This difference is due in a measure to the fact that the special agents found enterprises which were not reported on any schedules returned by the enumerators, indicating that the acreage reported on the supplemental schedules is under the true figure. There is, however, a natural tendency for the officials of irrigation enterprises to report as irrigated the entire area of farms of which only a part was irrigated. Furthermore, some farms are so situated as to receive water from more than one enterprise and may be reported as irrigated by each, which results in duplication. Owing to the two causes last enumerated, it is probable that the acreage reported irrigated is somewhat excessive, but the extent of this excess can not be determined. It is believed, however, to be less than 10 per cent for the state of California.

The total acreage reported as irrigated in 1909 was 2,664,104 acres, as against 1,446,114 acres in 1899 and 1,004,233 acres in 1889. The percentage of increase from 1889 to 1899 was 44, and that from 1899 to 1909, 84.2. The absolute increase during the latter decade was nearly three times as great as that during the former, amounting to 1,217,990 acres, as against 441,881 acres.

The percentage of increase between 1899 and 1909 in the acreage irrigated was considerably higher than that in the number of farms irrigated, the acreage irrigated per farm increasing from 56.3 in 1899 to 67.7 in 1909. As a decrease from 397.4 acres to 316.7 acres in the average size of the farms of the state was reported for the same period, it is probable that farmers are irrigating larger parts of their holdings than formerly. It is not possible, however, to determine how far this is actually the case, as the higher average size shown for 1900 was due to some extent to the inclusion as farm land in 1900 of some tracts of land used for grazing which were not reported as farm land in 1910.

The percentage which irrigated land formed of the total land area of the state increased from 1.5 in 1899 to 2.7 in 1909, and the percentage which such land formed of all land in farms increased from 5 in 1899 to 9.5 in 1909, while the ratio between the irrigated acre-

age and the total improved land in farms increased from 12.1 per cent to 23.4 per cent.

In both 1909 and 1899 the county for which the largest area of irrigated land was reported was Fresno, with an irrigated acreage of 402,318 and 283,737 at the respective censuses. In Tulare County 265,404 acres were irrigated in 1909, and in 5 counties besides the 2 named the area of irrigated lands exceeded 100,000 acres, while in 10 counties the irrigated area was between 50,000 and 100,000 acres.

The county in which irrigated land formed the highest percentage of the total land area in 1909 was Kings, where 25.7 per cent of the land was irrigated.

**Acreage included in projects.**—The foregoing table shows that in 1910 existing enterprises were ready to supply water to 3,619,378 acres, or 955,274 acres more than were irrigated in 1909. It is probable that, after allowance is made for an increase in the area irrigated in 1910 over that in 1909, there remained at the close of 1910 under ditch but not irrigated considerably more than half as much land as was brought under irrigation in the 10 years from 1899 to 1909. The acreage included in projects exceeds the acreage irrigated in 1909 by 2,826,256 acres, which is more than twice the acreage brought under irrigation in the last decade and somewhat greater than the total area irrigated in 1909. This acreage represents the area which will be available for the extension of irrigation in the next few years upon the completion of projects now under way and without new undertakings. It indicates in a general way the area available for settlement, although much of this unirrigated land is in farms already settled.

**Acreage irrigated, classified by character of enterprise.**—The following table gives the distribution of the acreage irrigated in 1909 according to the character of the enterprise controlling the irrigation works. There are no Carey Act enterprises in California.

CHARACTER OF ENTERPRISE.	ACREAGE IRRIGATED IN 1909.	
	Amount.	Per cent distribution.
<b>All classes.</b> .....	<b>2,664,104</b>	<b>100.0</b>
U. S. Reclamation Service.....	400	( <sup>1</sup> )
U. S. Indian Service.....	3,490	0.1
Irrigation districts.....	173,733	6.5
Cooperative enterprises.....	779,023	29.2
Commercial enterprises.....	746,265	28.0
Individual and partnership enterprises.....	961,136	36.1

<sup>1</sup> Less than one-tenth of 1 per cent.

Irrigation districts, cooperative enterprises, and individual and partnership enterprises, which together supplied about 72 per cent of the acreage irrigated in 1909, are all controlled by the water users. Commercial enterprises, the only other class in the state that irrigated any extensive acreage in 1909, supplied 28 per cent of the total irrigated area.

**Acreage irrigated, classified by source of water supply.**—The following table shows the distribution of the acreage irrigated in 1909 according to the source of water supply.

As in other states, streams are the principal source of supply of water for irrigating, but in California wells supply much more land than in any other state. Much land receives water from both sources, but most of this is credited to streams.

SOURCE OF WATER SUPPLY.	ACREAGE IRRIGATED IN 1909.	
	Amount.	Per cent distribution.
<b>All sources.....</b>	<b>2,684,104</b>	<b>100.0</b>
Streams.....	2,246,722	84.3
Lakes.....	18,470	0.7
Wells.....	350,723	13.2
Springs.....	31,779	1.2
Reservoirs.....	16,410	0.6

### IRRIGATION WORKS.

The table following summarizes the data collected relating to works for supplying water for irrigation in 1910. As none of the items reported in 1910 were reported in 1900 for all irrigation works in the state, there is no opportunity for comparisons between the two censuses.

Independent enterprises.....	number..	13,970
Ditches, total length.....	miles..	21,128
Main ditches.....	number..	8,590
Length.....	miles..	12,620
Capacity.....	cu. ft. per second..	89,597
Lateral ditches.....	number..	6,143
Length.....	miles..	8,509
Reservoirs.....	number..	1,583
Capacity.....	acre-feet..	743,269
Flowing wells.....	number..	2,361
Capacity.....	gals. per minute..	477,343
Pumped wells.....	number..	10,724
Capacity.....	gals. per minute..	4,119,575
Pumping plants.....	number..	9,297
Engine capacity.....	horsepower..	128,143
Pump capacity.....	gals. per minute..	5,276,288

Assuming that the enterprises in operation in 1909 were identical with those reported in 1910, the average acreage irrigated per enterprise in 1909 was 190.7, and the acreage irrigated per mile of main ditch was 211.1.

This table and the preceding one relating to source of supply show the extent to which underground water is utilized for irrigation in California. The flowing wells, of which there were 2,361, with a total capacity of 477,343 gallons per minute, irrigated

74,128 acres in 1909. The great majority of these wells are in southern California and the San Joaquin Valley, 93.7 per cent of the total number reported and 96.9 per cent of the land thus irrigated being in Kern, Kings, Los Angeles, Orange, Riverside, San Bernardino, Santa Clara, and Tulare Counties. Of the 10,724 pumped wells reported, 5,248 were in the counties named and 4,503 in Fresno, Merced, Monterey, Sacramento, San Benito, San Diego, San Joaquin, and Ventura Counties. The pumped wells in these two groups of counties irrigated 258,687 of the 276,595 acres irrigated by such wells in the entire state.

Pumping from lakes and streams has also been practiced extensively in many sections of the state, 32,539 acres having been irrigated in this way in 1909. Water pumped from all sources, including lakes, streams, and wells, supplied an area of 309,134 acres. It should be noted that this figure represents only the acreage which received water wholly or mainly from pumps, and hence does not take into account large areas where in addition to a flow from gravity ditches a supplemental supply from pumped wells is received in times of temporary scarcity or drought. The pumping plants and wells so used are included in the totals given in the table, but the acreage thus irrigated is credited to the source of supply upon which the greater dependence is placed.

### COST OF CONSTRUCTION, OPERATION, AND MAINTENANCE.

The table following shows the total cost of irrigation enterprises up to July 1, 1910, including construction of works and acquisition of rights but not operation and maintenance, with the average cost per acre, based on the acreage the enterprises were capable of irrigating in 1910; the estimated final cost of enterprises completed and enterprises now under construction, with the average cost per acre, based on the acreage included in projects; and the total cost and average cost per acre of operation and maintenance in 1909. Similar data from the census of 1900, so far as available, are included for comparison.

The cost of operation and maintenance is not reported for individual and partnership enterprises, for the reason that farmers whose land is irrigated by such systems generally clean their own ditches at odd times without keeping any record of the time spent. In the case of larger enterprises this cost represents

a cash outlay by the farmers, while in the case of many of the smaller cooperative enterprises the cost is worked out by the farmers.

	CENSUS OF—		INCREASE.	
	1910	1900	Amount.	Per cent.
Cost of irrigation enterprises.....	\$172,540,030	\$119,181,610	\$53,358,420	278.4
Average per acre.....	\$20.65	\$13.27	( <sup>2</sup> )	.....
Estimated final cost of existing enterprises.....	\$84,392,344	( <sup>3</sup> )	.....	.....
Average per acre included in projects.....	\$15.37	( <sup>4</sup> )	.....	.....
Operation and maintenance: Acreage for which cost is reported.....	1,368,247	( <sup>5</sup> )	.....	.....
Total cost reported.....	\$2,109,431	( <sup>6</sup> )	.....	.....
Average cost per acre.....	\$1.54	( <sup>7</sup> )	.....	.....

<sup>1</sup> Reported July 1.

<sup>2</sup> Cost of construction of systems operated in 1899, exclusive of those on Indian reservations.

<sup>3</sup> Based on acreage enterprises were capable of irrigating in 1910.

<sup>4</sup> Based on acreage irrigated in 1899, exclusive of 242 acres on Indian reservations.

<sup>5</sup> Figures not comparable. (See explanation in text.)

<sup>6</sup> Not reported.

<sup>7</sup> For 1909.

The cost of irrigation systems shows the largest increase of any item included in the census of irrigation, 278.4 per cent. In the average cost per acre there was also a considerable increase. The average cost per acre shown for 1910 is based on the acreage to which enterprises were capable of supplying water in that year, but since the corresponding acreage for 1900 was not reported, the figure for average cost at the earlier census is based on the acreage irrigated in 1899, and consequently is not comparable with the figure for the last census. If computed on the basis of the acreage irrigated in 1909, the average cost per acre in 1910 would be \$27.24, representing an increase of 105.3 per cent over the figure for the average cost at the census of 1900. The largely increased cost of irrigation enterprises is due in a considerable measure to the expensive equipment installed to secure a water supply and protect it from loss by seepage and evaporation, in sections where water is scarce and crop values are high. Furthermore, a number of large enterprises are under construction upon which considerable expenditures have been made, but which are

irrigating little land as yet, making the average cost reported higher than the true average. The average based on the estimated final cost and the acreage included in projects, \$15.37 per acre, probably more truly represents the average cost per acre of irrigation in California.

The county showing the lowest average cost per acre enterprises were capable of irrigating in 1910, \$1.29, is Mono, where much of the irrigated land consists of flooded pastures. The highest average cost per acre, \$368.40, is in Nevada County, where the unusual cost is due to the fact that many of the ditches now used for irrigation were originally constructed at heavy expense for mining purposes.

The acreage for which cost of operation and maintenance in 1909 was reported forms 51.4 per cent of the total acreage reported as irrigated in 1909, and 80.3 per cent of the acreage reported as irrigated by other than individual and partnership enterprises. The cost reported can be said, therefore, to represent fairly the average annual expense for all but individual and partnership enterprises.

### CROPS.

As previously stated, the data relating to irrigated crops are taken from supplemental schedules filled out by the regular census enumerators. Since the special agents found enterprises which the enumerators had not reported, it is evident that the information relating to irrigated crops is incomplete to some extent. It shows, however, the relative importance of the dif-

ferent irrigated crops, and is sufficiently complete to afford reliable averages of yields and for comparison with totals for the state.

The following table shows the acreage, yield, and value of the principal crops reported as grown under irrigation in 1909, in comparison with totals for the same crops reported for the entire state:

CROP.	ACREAGE.			YIELD.			VALUE.	
	Total for state.	Irrigated.		Unit.	Total for state.	On irrigated land.	Total for state.	For irrigated land.
		Amount.	Per cent of total.					
<b>Cereals:</b>								
Corn.....	51,935	17,802	34.3	Bushels.....	1,273,901	491,978	\$1,077,411	\$440,312
Oats.....	192,158	5,903	3.1	Bushels.....	4,143,688	205,727	2,637,047	137,160
Wheat.....	478,217	22,603	4.7	Bushels.....	6,203,206	408,709	6,323,983	428,668
Barley.....	1,495,158	77,785	6.5	Bushels.....	26,441,954	1,844,971	17,154,508	1,097,541
Rye.....	7,027	107	1.5	Bushels.....	70,683	1,265	65,846	1,133
<b>Other grains and seeds:</b>								
Alfalfa seed.....	8,761	2,570	29.3	Bushels.....	23,791	5,911	200,823	53,829
Dry edible beans.....	157,987	11,384	7.2	Bushels.....	3,328,218	244,624	6,295,457	378,770
Dry peas.....	2,959	290	9.8	Bushels.....	57,468	9,902	101,016	15,331
<b>Hay and forage:</b>								
Timothy alone.....	13,725	8,026	58.5	Tons.....	20,001	11,236	185,579	90,083
Timothy and clover mixed.....	46,661	20,880	44.7	Tons.....	73,183	34,177	629,575	316,993
Clover alone.....	8,519	1,176	13.8	Tons.....	20,380	2,689	215,289	40,429
Alfalfa.....	484,134	366,692	75.7	Tons.....	1,639,707	1,280,165	13,688,530	9,983,370
Other tame or cultivated grasses <sup>1</sup> .....	92,556	6,504	7.0	Tons.....	122,103	10,656	1,280,911	112,097
Wild, salt, or prairie grasses.....	253,127	153,672	60.7	Tons.....	281,033	189,964	2,028,494	1,194,716
Grains cut green.....	1,604,745	101,187	6.3	Tons.....	2,019,526	146,013	24,056,727	1,532,681
Coarse forage.....	25,868	7,593	29.4	Tons.....	60,611	19,151	438,935	152,542
<b>Sundry crops:</b>								
Potatoes.....	67,688	32,735	48.4	Bushels.....	9,824,005	5,180,006	4,879,449	2,440,031
Sugar beets.....	78,957	14,657	18.6	Tons.....	845,191	171,494	4,320,532	839,561
Orchard fruits.....	( <sup>2</sup> )	73,491	.....	.....	.....	.....	18,358,867	6,397,138
Small fruits.....	9,687	6,876	71.0	.....	.....	.....	1,789,214	1,585,808
Tropical fruits.....	( <sup>2</sup> )	98,969	.....	.....	.....	.....	16,751,024	15,269,911
Nuts.....	( <sup>2</sup> )	22,429	.....	.....	.....	.....	2,959,845	1,637,741
Grapes.....	( <sup>2</sup> )	74,984	.....	.....	.....	.....	10,846,812	3,038,435

<sup>1</sup> Includes millet or Hungarian grass.

<sup>2</sup> Agriculture returns show number of trees and vines, and not acreage.

Although considerable quantities of other crops are grown both on irrigated and unirrigated land, the leading crops of the state, as well as the leading crops grown under irrigation, are represented in the table. In the reports of the agricultural census the acreages of seed crops are not usually given, but since the growing of alfalfa seed is coming to be an important industry in the irrigated sections of the country, statistics for this crop are given in the preceding table.

**Acreage.**—Of the entire acreage of the crops for which totals are presented in the table, slightly less than one-fifth is irrigated, the proportion irrigated varying widely for the different crops.

The cereals are very generally grown without irrigation, only 6.5 per cent of the total acreage of the cereal crops given in the table being irrigated. The highest percentage of acreage irrigated shown for any cereal, 34.3, is reported for corn, and the next highest, 6.5, for barley. The proportions for wheat and oats are, respectively, 4.7 and 3.1 per cent.

The hay and forage crops are more generally irrigated than the cereals, the irrigated acreage forming 26.3 per cent of the total reported for these crops. In the case of three of the eight hay and forage crops included in the table more than half of the total acreage is irrigated. For alfalfa the proportion is 75.7 per cent, for "wild, salt, or prairie grasses" 60.7 per cent, and for "timothy alone" 58.5 per cent.

Of the entire acreage in potatoes 48.4 per cent was irrigated in 1909 and of that in small fruits 71 per cent. Sugar beets are grown for the most part without irrigation in California, only 18.6 per cent of the total acreage of the crop being irrigated. The relative importance of the irrigated acreage in orchard and tropical fruits can not be determined, because the total acreage devoted to such fruits was not reported. It will be observed, however, that more than one-third of the value of all orchard fruits produced in the state and more than nine-tenths of the value of all tropical fruits produced represent the value of products grown on irrigated land. The value of the nuts grown on irrigated land forms 55.3 per cent of that of the total crop and the value of grapes from irrigated land 28 per cent of that of all grapes grown.

Of the crops shown in the table, alfalfa has the largest irrigated acreage, such acreage representing 32.5 per cent of the total irrigated area of the crops given. "Wild, salt, or prairie grasses" are next, with 13.6 per cent of this total, followed by grains cut green, with 9 per cent; tropical fruits, with 8.8 per cent; barley, with 6.9 per cent; grapes, with 6.6 per cent, and orchard fruits, with 6.5 per cent. No other single crop occupies as much as 3 per cent of the total acreage of the irrigated crops presented in the table. It will be observed, however, that, in point of value, the alfalfa crop is exceeded by that of tropical fruits, which contributed 32.4 per cent of the total value of irrigated crops, as against 21.2 per cent for alfalfa.

While many of the crops irrigated are well distributed geographically, there is a tendency toward the concentration of certain crops in particular localities. This is shown by the following statement, which gives the counties having the largest acreages of the principal irrigated crops, with the proportions which each contains of the total irrigated acreages of these crops in the state.

*Corn.*—Kern County, 29.4 per cent; Los Angeles, 13.4 per cent; Inyo, 10.5 per cent; Tulare, 7.9 per cent.

*Oats.*—Plumas County, 29 per cent; Lassen, 11.3 per cent; Siskiyou, 10.9 per cent; Inyo, 8.7 per cent.

*Wheat.*—Kern County, 20 per cent; Tulare, 17.9 per cent; Kings, 15.1 per cent; Lassen, 12.5 per cent.

*Barley.*—Imperial County, 43.9 per cent; Kings, 15.4 per cent; Kern, 8.2 per cent; Merced, 7.6 per cent.

*Alfalfa seed.*—Kings County, 47.7 per cent; Fresno, 17.6 per cent; Lassen, 10.8 per cent; Kern, 9.4 per cent.

*Dry edible beans.*—San Joaquin County, 64.2 per cent; Orange, 13.1 per cent; Ventura, 6.4 per cent; Contra Costa, 5.2 per cent.

*Timothy alone.*—Shasta County, 30.7 per cent; Plumas, 19.5 per cent; Modoc, 14.1 per cent; Siskiyou, 11.5 per cent.

*Timothy and clover mixed.*—Siskiyou County, 30.1 per cent; Lassen, 16.7 per cent; Plumas, 15.3 per cent; Shasta, 8.2 per cent.

*Clover alone.*—Nevada County, 18.3 per cent; Shasta, 16.1 per cent; Eldorado, 15.1 per cent; Yuba, 11.7 per cent.

*Alfalfa.*—Fresno County, 11.7 per cent; Stanislaus, 10.8 per cent; Merced, 10.3 per cent; Kings, 8.5 per cent.

*"Other tame or cultivated grasses."*—Siskiyou County, 26.4 per cent; Sierra, 20.5 per cent; Modoc, 10.3 per cent; Nevada, 8.9 per cent.

*"Wild, salt, or prairie grasses."*—Modoc County, 33 per cent; Lassen, 24 per cent; Plumas, 12.1 per cent; Sierra, 8 per cent.

*Grains cut green.*—Fresno County, 22.3 per cent; Imperial, 20.5 per cent; Kern, 11.9 per cent; Kings, 10.2 per cent.

*Coarse forage.*—Tulare County, 33.8 per cent; Fresno, 15.8 per cent; Imperial, 12.3 per cent; Los Angeles, 10.6 per cent.

*Potatoes.*—San Joaquin County, 48 per cent; Contra Costa, 20 per cent; Los Angeles, 9.3 per cent; Orange, 4.5 per cent.

*Sugar beets.*—Monterey County, 34.3 per cent; Los Angeles, 30.6 per cent; Santa Barbara, 13.5 per cent; Orange, 8.7 per cent.

*Orchard fruits.*—Fresno County, 31.9 per cent; Placer, 14.8 per cent; Tulare, 8.4 per cent; Santa Clara, 6.5 per cent.

*Small fruits.*—Los Angeles County, 30.4 per cent; Santa Clara, 13.9 per cent; Sacramento, 10.9 per cent; Santa Cruz, 7.2 per cent.

*Tropical fruits.*—San Bernardino County, 25.6 per cent; Los Angeles, 24.8 per cent; Riverside, 14.2 per cent; Tulare, 11.6 per cent.

*Nuts.*—Orange County, 46 per cent; Los Angeles, 34.7 per cent; Ventura, 12.1 per cent.

*Grapes.*—Fresno County, 62.6 per cent; Tulare, 12.2 per cent; Kings, 6.2 per cent; Sacramento, 5.7 per cent.

Of the total irrigated acreage of fruit trees and vines not bearing in 1909, amounting to 59,031, 36.1 per cent was in Fresno County, 14 per cent in Tulare County, 8 per cent in Orange County, and 7.2 per cent in Los Angeles County.

*Yield.*—In the table following the average yields per acre of crops extensively grown, both with and without irrigation, are shown. The yields on unirrigated land are obtained by subtracting the totals for irrigated crops from the totals for the state.

For all the crops given in the table, except alfalfa seed, "timothy alone," and "clover alone," there were greater average yields in 1909 on irrigated than on unirrigated land. The relative excess is greatest in the case of oats, 65.4 per cent, and next greatest in the case of wheat, 42.5 per cent.

For the cereals there was in every case an excess in the average yield under irrigation over that without irrigation, this excess ranging from 7.7 to 65.4 per cent. In the case of six of the hay and forage crops the average yield on irrigated land was greater than that on unirrigated land, the differences varying from 8.6 to 34.8 per cent, but for two a greater average yield on unirrigated land was reported. Comparisons can not be made for fruits, for the reason that the agricultural

returns do not give the total acreage devoted to these crops.

CROP.	AVERAGE YIELD PER ACRE.		
	On unirrigated land.	On irrigated land.	
		Amount.	Per cent of excess over yield on unirrigated land. <sup>1</sup>
Corn..... bushels.....	22.9	27.6	20.5
Oats..... bushels.....	21.1	34.9	65.4
Wheat..... bushels.....	12.7	18.1	42.5
Barley..... bushels.....	22.0	23.7	7.7
Alfalfa seed..... bushels.....	2.9	2.3	-20.7
Dry edible beans..... bushels.....	21.0	21.5	2.4
Timothy alone..... tons.....	1.54	1.40	-9.1
Timothy and clover mixed..... tons.....	1.51	1.64	8.6
Clover alone..... tons.....	2.41	2.29	-5.0
Alfalfa..... tons.....	3.06	3.49	14.1
Other tame or cultivated grasses..... tons.....	1.30	1.64	26.2
Wild, salt, or prairie grasses..... tons.....	0.52	1.24	34.8
Grains cut green..... tons.....	1.25	1.44	15.2
Coarse forage..... tons.....	2.27	2.52	11.0
Potatoes..... bushels.....	132.9	158.2	19.0
Sugar beets..... tons.....	10.48	11.70	11.6

<sup>1</sup> A minus sign (-) indicates that the yield on irrigated land is less than that on unirrigated land.

In considering these comparisons it should be borne in mind that they are not comparisons of yields on irrigated and on unirrigated land in the same localities, but of yields under irrigation in localities where crops can not be grown to advantage without it with yields in localities where irrigation is not necessary. They do not indicate, therefore, the relative advantages of farming with and without irrigation in a given community, but rather give one factor for determining the relative advantages of farming where irrigation is necessary and where it is not necessary for the successful growing of crops.

## COUNTY TABLE.

The next table gives in detail, by counties, the data summarized above, except those relating to crops. For purposes of comparison the total number of farms in the state, the approximate land area of the state, the total land in farms, and the improved land in farms have been included in the table.

Certain irrigation enterprises extend into more than one county, and in the case of some of these enterprises the reports do not segregate the data by counties. In such cases a distribution has been made according to the best estimates possible from all the information in the possession of the bureau. It is believed that these estimates are approximately correct.

The number of farms irrigated in 1909 includes 350 farms in Contra Costa, Del Norte, Humboldt, Marin, Mendocino, Napa, San Francisco, San Mateo, Santa Cruz, Sonoma, and Sutter Counties, shown under "all other counties" in Twelfth Census report, and 64 farms on Indian reservations.

The acreage irrigated in 1909 includes 3,834 acres in Contra Costa, Del Norte, Humboldt, Marin, Mendocino, Napa, San Francisco, San Mateo, Santa Cruz,

Sonoma, and Sutter Counties, shown under "all other counties" in Twelfth Census report, and 242 acres on Indian reservations.

The figures for number and length of main ditches for 1899 relate only to main ditches, outside of Indian reservations, receiving water by gravity from streams, lakes, and springs in 1899 and used chiefly or solely for irrigation purposes.

Figures for cost in 1899 are exclusive of Indian reservations.

*Change of boundaries.*—In comparing the data secured for 1910 with those from the census of 1900, the following changes in county boundaries should be considered: (1) The organization of Imperial County from a part of San Diego County in 1907; and (2) the annexation of a part of Fresno County to Kings County in 1909.

*Land in farms in Sutter County.*—In accordance with instructions to assign all of the acreage of a farm to the county in which the residence of the operator was located, a large acreage in adjoining counties has been tabulated as in Sutter County.

## ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910.

[Comparative data for 1899 in italics.]

	THE STATE.	Alameda.	Alpine.	Amador.	Butte.	Calaveras.	Colusa.	Contra Costa.	Eldorado.
1 Number of all farms in 1910.....	188,197	2,422	42	537	1,500	632		1,465	716
2 Number of farms irrigated in 1909.....	39,352	250	32	73	556	154	112	78	244
3 Per cent of all farms.....	44.6	10.1	76.2	13.6	37.1	24.1	16.8	5.3	34.1
4 Number of farms irrigated in 1899.....	28,675	101	33	157	455	206	62	(*)	295
5 Per cent of increase, 1899-1909.....	53.3	450.5	3.0	46.7	22.2	7.7	80.6		17.3
<b>LAND AND FARM AREA</b>									
6 Approximate land area.....acres.....	199,617,280	468,480	496,640	384,640	1,102,080	657,280	729,600	456,960	1,121,920
7 Land in farms.....acres.....	127,931,444	311,327	32,004	291,730	490,777	271,401	522,376	406,433	210,881
8 Improved land in farms.....acres.....	111,389,894	177,314	7,579	46,969	247,067	59,104	336,509	262,152	41,682
9 Acreage irrigated in 1909.....acres.....	2,664,104	1,859	3,349	826	28,754	1,275	4,276	26,856	5,122
10 Per cent of total land area.....	2.7	0.4	0.7	0.2	2.6	0.2	0.6	5.9	0.6
11 Per cent of land in farms.....	9.5	0.6	10.5	0.3	5.9	0.5	0.8	6.6	2.4
12 Per cent of improved land in farms.....	23.4	1.0	44.2	1.8	11.6	2.2	1.3	10.2	12.3
13 Acreage irrigated in 1899.....acres.....	1,445,114	2,532	4,591	1,167	1,832	1,476	2,995	(*)	3,587
14 Per cent of increase, 1899-1909.....	84.2	26.6	23.7	29.2	26.2	13.6	42.8		51.2
15 Acreage enterprises were capable of irrigating in 1910.....	3,619,378	1,872	3,399	3,973	115,075	3,161	16,541	32,562	5,501
16 Acreage included in projects.....	5,490,360	2,605	3,435	4,139	233,500	3,919	18,783	32,640	20,264
<b>ACREAGE IRRIGATED AND INCLUDED IN PROJECTS</b>									
<b>CLASSIFIED BY CHARACTER OF ENTERPRISE.</b>									
17 U. S. Reclamation Service, irrigated in 1909.....	400								
18 Enterprises were capable of irrigating in 1910.....	1,280								
19 Included in projects.....	14,290								
20 U. S. Indian Service, irrigated in 1909.....	3,490								
21 Enterprises were capable of irrigating in 1910.....	3,490								
22 Included in projects.....	3,500								
23 Carey Act enterprises, irrigated in 1909.....	84.2								
24 Enterprises were capable of irrigating in 1910.....									
25 Included in projects.....									
26 Irrigation districts, irrigated in 1909.....	173,793								
27 Enterprises were capable of irrigating in 1910.....	294,108								
28 Included in projects.....	976,351								
29 Cooperative enterprises, irrigated in 1909.....	779,020						875		290
30 Enterprises were capable of irrigating in 1910.....	984,570						2,500		480
31 Included in projects.....	1,388,435						3,450		490
32 Commercial enterprises, irrigated in 1909.....	746,265			360	24,950	180	1,000		3,661
33 Enterprises were capable of irrigating in 1910.....	1,394,059			3,500	110,200	1,300	1,000		3,661
34 Included in projects.....	1,955,063			3,500	221,450	1,700	2,000		17,801
35 Individual and partnership enterprises, irrigated in 1909.....	961,136	1,859	3,349	466	3,824	1,095	2,401	26,856	1,261
36 Enterprises were capable of irrigating in 1910.....	1,131,951	1,872	3,399	473	4,875	1,861	13,041	32,562	1,300
37 Included in projects.....	1,512,511	2,605	3,435	4,139	12,050	2,219	13,333	32,640	1,983
<b>ACREAGE IRRIGATED</b>									
<b>CLASSIFIED BY SOURCE OF WATER SUPPLY.</b>									
38 Supplied from streams.....	2,246,722	651	3,194	771	27,803	906	4,258	26,504	3,557
39 By gravity.....	2,216,757	546	3,194	789	27,771	893	3,318	20,818	3,557
40 By pumping.....	29,965	105		2		13	940	5,686	
41 Supplied from lakes.....	18,470		115						1,500
42 By gravity.....	15,896		115						1,500
43 By pumping.....	2,574								
44 Supplied from wells.....	350,723	1,125			646	52	11	267	
45 Flowing.....	74,128							30	
46 By pumping.....	276,595	1,125			646	48	11	237	
47 Supplied from springs.....	31,779	40	45	305	247	7	85	65	
48 Supplied from reservoirs.....	16,410	83		70		70			
49 Total acreage supplied by pumping.....	309,134	1,230		2	678	61	951	5,923	
<b>IRRIGATION ENTERPRISES</b>									
50 Independent enterprises.....number.....	13,970	53	21	49	144	150	45	185	50
51 Number in 1899.....									
52 Per cent of increase, 1899-1910.....									
53 Main ditches.....number.....	8,590	49	25	55	135	148	38	176	56
54 Number in 1899.....	1,918								
55 Per cent of increase, 1899-1910.....									
56 Length.....miles.....	12,620	21	34	185	270	124	44	172	285
57 Length in 1899.....	5,105								
58 Per cent of increase, 1899-1910.....									
59 Capacity.....cubic feet per second.....	80,597	605	179	255	2,028	206	531	60	445
60 Laterals.....number.....	6,143		3	12	145	32	10		25
61 Length.....miles.....	8,509	1	56	170	31	7			55
62 Reservoirs.....number.....	1,583	52		14	27	29			22
63 Capacity.....acre-feet.....	743,269	3		309	360	12,029		1	711
64 Flowing wells.....number.....	2,361					6		1	
65 Capacity.....gallons per minute.....	49,843					40		143	
66 Pumped wells.....number.....	10,724	56			46	7	3	26	
67 Capacity.....gallons per minute.....	4,119,575	3,740			29,686	844	977	1,339	
68 Pumping plants.....number.....	9,237	37			46	9	12	30	
69 Engine capacity.....horsepower.....	128,143	384		555	44	516	754		
70 Pump capacity.....gallons per minute.....	5,276,298	5,019		100	32,391	1,094	51,365	138,947	
<b>COST</b>									
71 Cost of enterprises up to July 1, 1910.....dollars.....	72,580,030	57,156	7,493	265,608	1,231,894	121,033	76,112	90,503	346,939
72 Cost in 1899.....	19,181,610								
73 Per cent of increase, 1899-1910.....	278.4								
74 Average cost per acre enterprises were capable of irrigating in 1910.....dollars.....	20.05	30.53	2.20	66.85	10.71	38.29	4.60	2.78	63.07
75 Average cost per acre irrigated in 1899.....	13.27								
76 Estimated final cost of existing enterprises.....dollars.....	84,392,344	57,156	7,493	265,608	1,381,894	121,033	76,112	90,503	346,939
77 Average per acre included in projects.....dollars.....	15.37	21.94	2.18	64.17	5.92	30.88	4.66	2.77	17.12
<b>OPERATION AND MAINTENANCE</b>									
78 Acreage for which cost is reported.....	1,368,247			360	24,380	140	800		3,590
79 Total cost reported.....dollars.....	2,109,431			5,505	28,546	918	4,051		16,325
80 Average per acre for which cost is reported.....dollars.....	1.55			22.63	1.17	6.56	5.07		4.55
81 Average cost per acre in 1899.....									
82 Per cent of increase, 1899-1909.....									

\* Includes figures for Del Norte County, from which no irrigation is reported at the census of 1910.

\* Includes figures shown under "all other counties" in Twelfth Census report, and for Indian reservations. (See explanation at close of text.)

\* Includes in "all other counties" in Twelfth Census report.

\* Decrease.

\* Not reported.

\* Not reported by counties. (See explanation at close of text.)

## ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND

[Comparative data for 1899 in italics.]

	Fresno. <sup>1</sup>	Glenn.	Humboldt.	Imperial.	Inyo.	Kern.	Kings. <sup>1</sup>	Lake.	Lassen.
1 Number of all farms in 1910.....	6,245	663	1,534	1,322	438	1,167	1,837	606	502
2 Number of farms irrigated in 1909.....	5,310	196	1,150	1,126	375	1,126	1,126	353	353
3 Per cent of all farms.....	85.0	29.6	2.2	94.6	93.2	75.1	61.3	7.1	70.7
4 Number of farms irrigated in 1899.....	2,459	67	( <sup>2</sup> )	( <sup>1</sup> )	302	653	780	45	313
5 Per cent of increase, 1899-1909.....		192.5			12.7	34.2		4.4	13.4
<b>LAND AND FARM AREA</b>									
6 Approximate land area.....acres.	3,808,000	805,760	2,325,700	2,616,960	6,412,160	5,121,920	741,760	817,920	2,899,840
7 Land in farms.....acres.	1,106,616	491,198	642,536	223,062	110,142	1,403,350	373,823	217,464	295,728
8 Improved land in farms.....acres.	590,205	309,763	105,218	176,959	38,608	315,387	196,569	122,768	122,057
9 Acreage irrigated in 1909.....	402,218	5,661	208	190,711	65,163	190,034	190,949	582	77,079
10 Per cent of total land area.....	10.6	0.7	( <sup>1</sup> )	7.3	1.0	3.7	25.7	0.1	2.7
11 Per cent of land in farms.....	36.4	1.2	( <sup>1</sup> )	85.3	59.2	15.5	51.1	0.3	26.1
12 Per cent of improved land in farms.....	65.2	1.8	0.2	108.3	168.4	60.3	97.1	1.4	63.2
13 Acreage irrigated in 1899.....	283,787	1,382	( <sup>1</sup> )	( <sup>1</sup> )	11,026	112,553	95,794	623	49,634
14 Per cent of increase, 1899-1909.....		309.6			58.8	68.9		11.3	55.3
15 Acreage enterprises were capable of irrigating in 1910.....	560,326	16,804	333	242,000	71,815	217,418	289,523	828	89,815
16 Acreage included in projects.....	633,652	220,664	906	375,000	92,319	402,806	310,523	1,208	149,530
<b>ACREAGE IRRIGATED AND INCLUDED IN PROJECTS</b>									
<b>CLASSIFIED BY CHARACTER OF ENTERPRISE.</b>									
17 U. S. Reclamation Service, irrigated in 1909.....		400							
18 Enterprises were capable of irrigating in 1910.....		1,200							
19 Included in projects.....		14,200							
20 U. S. Indian Service, irrigated in 1909.....									
21 Enterprises were capable of irrigating in 1910.....									
22 Included in projects.....									
23 Carey Act enterprises, irrigated in 1909.....									
24 Enterprises were capable of irrigating in 1910.....									
25 Included in projects.....									
26 Irrigation districts, irrigated in 1909.....	9,329						925		
27 Enterprises were capable of irrigating in 1910.....	21,335						2,785		
28 Included in projects.....	21,335						2,785		
29 Cooperative enterprises, irrigated in 1909.....	52,017			190,711	26,400	6,730	136,480		2,740
30 Enterprises were capable of irrigating in 1910.....	71,492			242,000	27,200	9,620	170,480		5,680
31 Included in projects.....	88,498			375,000	37,700	13,800	177,020		7,200
32 Commercial enterprises, irrigated in 1909.....	304,528	2,500				111,580	34,032		6,200
33 Enterprises were capable of irrigating in 1910.....	417,379	9,000				129,260	93,781		15,000
34 Included in projects.....	452,809	198,000				275,068	93,781		52,000
35 Individual and partnership enterprises, irrigated in 1909.....	36,444	2,761	208		39,763	71,734	19,512	582	68,136
36 Enterprises were capable of irrigating in 1910.....	59,120	6,684	333		44,615	79,138	25,477	828	69,735
37 Included in projects.....	71,010	8,464	966		54,619	113,938	36,937	1,268	90,330
<b>ACREAGE IRRIGATED</b>									
<b>CLASSIFIED BY SOURCE OF WATER SUPPLY.</b>									
38 Supplied from streams.....	380,109	5,463	179	190,711	62,402	183,112	178,187	359	62,342
39 By gravity.....	378,472	4,282	179	190,711	62,402	183,112	178,187	301	62,322
40 By pumping.....	1,637	1,181						58	20
41 Supplied from lakes.....	480					4	320		720
42 By gravity.....	480					4	320		720
43 By pumping.....									
44 Supplied from wells.....	21,729	198	11		141	6,387	12,442	10	
45 Flowing.....					141	2,097	11,400	2	
46 By pumping.....	21,729	198	11			4,290	1,042	8	
47 Supplied from springs.....			18		1,629	531		213	4,002
48 Supplied from reservoirs.....					1,000				10,015
49 Total acreage supplied by pumping.....	29,846	1,379	11			4,294	1,042	66	740
<b>IRRIGATION ENTERPRISES</b>									
50 Independent enterprises.....number..	975	116	33	9	188	244	77	43	233
51 Number in 1899.....									
52 Per cent of increase, 1899-1910.....									
53 Main ditches.....number..	254	50	33	12	184	178	27	44	295
54 Number in 1899.....									
55 Per cent of increase, 1899-1910.....									
56 Length.....miles.....	831	136	26	117	396	441	137	26	368
57 Length in 1899.....									
58 Per cent of increase, 1899-1910.....									
59 Capacity.....cubic feet per second.....	1,635	145	3,250	2,752	9,990	4,840	90	2,348	
60 Laterals.....number.....	688	554	4	179	326	118	51	21	263
61 Length.....miles.....	1,354	1,073	2	890	168	257	159	2	113
62 Reservoirs.....number.....	8	12	5			51	37	3	29
63 Capacity.....acre-feet.....	402	45,009	11	11,300	1,601	111		2	169,552
64 Flowing wells.....number.....	3				10	25	73	1	
65 Capacity.....gallons per minute.....	450				500	12,383	19,436	73	
66 Pumped wells.....number.....	855	105	2		1	140	29	3	
67 Capacity.....gallons per minute.....	443,024	26,484	105		100	90,618	8,700	272	
68 Pumping plants.....number.....	888	77	1		1	114	18	11	
69 Engine capacity.....horsepower.....	8,990	836	3		5	2,846	174	49	90
70 Pump capacity.....gallons per minute.....	515,380	62,449	105		100	90,668	12,759	4,577	6,100
<b>COST</b>									
71 Cost of enterprises up to July 1, 1910.....dollars..	1,898,460	1,519,561	29,027	4,955,272	962,698	1,788,635	687,381	12,124	884,965
72 Cost in 1899.....									
73 Per cent of increase, 1899-1910.....									
74 Average cost per acre enterprises were capable of irrigating in 1910.....dollars..	3.39	90.43	\$7.17	20.48	13.41	8.23	2.37	14.64	9.85
75 Average cost per acre irrigated in 1899.....									
76 Estimated final cost of existing enterprises.....dollars..	1,898,460	3,716,976	29,027	5,884,182	962,698	1,788,635	687,381	12,124	1,034,965
77 Average per acre included in projects.....dollars..	3.00	16.84	30.05	15.69	10.43	4.44	2.21	9.56	6.92
<b>OPERATION AND MAINTENANCE</b>									
78 Acreage for which cost is reported.....	352,569			190,711	25,100	4,080	156,100		6,920
79 Total cost reported.....dollars..	56,172			393,724	9,946	5,533	40,800		18,450
80 Average per acre for which cost is reported.....dollars..	0.16			2.06	0.39	1.36	0.26		2.67
81 Average cost per acre in 1899.....									
82 Per cent of increase, 1899-1909.....									

<sup>1</sup>Change of boundary. (See explanation at close of text.) <sup>2</sup>Included in "all other counties" in Twelfth Census report. <sup>3</sup>Decrease. <sup>4</sup>Less than one-tenth of 1 per cent.



# STATISTICS OF IRRIGATION.

669

## COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910—Continued.

[Comparative data for 1899 in italics.]

		Los Angeles.	Madera.	Marin.	Mari- posa.	Mendo- cino.	Merced.	Modoc.	Mono.	Monterey.	Napa.
1	Number of all farms in 1910.....	7,919	573	498	330	1,356	1,856	736	91	1,658	1,537
2	Number of farms irrigated in 1909.....	4,669	158	126	56	39	1,417	457	76	258	36
3	Per cent of all farms.....	59.0	27.6	1.2	17.0	2.9	76.3	59.4	83.5	15.6	2.3
4	Number of farms irrigated in 1899.....	4,066	120	(?)	66	(?)	151,998	467	97	15,056	(?)
5	Per cent of increase, 1899-1909.....	14.8	31.7		15.2		172.5	16.4	121.6	193.2	
<b>LAND AND FARM AREA</b>											
6	Approximate land area.....acres..	2,602,880	1,351,680	338,560	936,320	2,209,920	1,276,800	2,446,720	1,939,200	2,131,200	501,120
7	Land in farms.....acres..	757,985	620,603	268,442	206,059	721,325	1,162,167	410,134	115,672	1,147,416	360,580
8	Improved land in farms.....acres..	418,908	391,086	93,115	37,017	82,578	667,742	174,784	43,382	371,509	101,114
9	Acres irrigated in 1909.....	145,886	35,705	67	376	371	151,998	82,075	25	15,056	1,191
10	Per cent of total land area.....	5.6	2.6	(?)	(?)	(?)	11.9	3.4	2.5	0.7	0.2
11	Per cent of land in farms.....	19.2	6.2	(?)	0.2	0.1	13.1	20.0	42.4	4.1	0.3
12	Per cent of improved land in farms.....	34.7	6.9	(?)	1.0	0.4	25.0	49.8	113.0	4.1	1.2
13	Acres irrigated in 1899.....	85,614	25,162	0	574	(?)	111,539	78,016	69,502	6,675	(?)
14	Per cent of increase, 1899-1909.....	70.0	67.2		34.5		36.5	5.2	17.2	125.6	
15	Acres enterprises were capable of irrigating in 1910.....	183,506	51,230	71	546	590	248,670	89,476	50,007	27,176	2,035
16	Acres included in projects.....	241,794	82,321	71	767	1,365	281,719	124,166	84,973	29,914	2,443
<b>ACREAGE IRRIGATED AND INCLUDED IN PROJECTS</b>											
CLASSIFIED BY CHARACTER OF ENTERPRISE.											
17	U. S. Reclamation Service, irrigated in 1909.....										
18	Enterprises were capable of irrigating in 1910.....										
19	Included in projects.....										
20	U. S. Indian Service, irrigated in 1909.....										
21	Enterprises were capable of irrigating in 1910.....										
22	Included in projects.....										
23	Coastal enterprises, irrigated in 1909.....										
24	Enterprises were capable of irrigating in 1910.....										
25	Included in projects.....										
26	Irrigation districts, irrigated in 1909.....	850					8,200				
27	Enterprises were capable of irrigating in 1910.....	850					15,917				
28	Included in projects.....	850					19,980				
29	Cooperative enterprises, irrigated in 1909.....	64,688	8,696				2,190			5,773	
30	Enterprises were capable of irrigating in 1910.....	75,196	16,000				1,110	2,500		9,285	
31	Included in projects.....	84,538	16,000				1,110	3,000		9,350	
32	Commercial enterprises, irrigated in 1909.....	5,267				29	134,228	8,850		5,090	
33	Enterprises were capable of irrigating in 1910.....	16,757				60	221,428	9,500		9,500	
34	Included in projects.....	40,757				60	248,765	12,150		9,500	
35	Individual and partnership enterprises, irrigated in 1909.....	75,491	30,009	67	376	342	8,710	71,035	49,027	4,283	1,191
36	Enterprises were capable of irrigating in 1910.....	90,703	35,230	71	546	530	10,215	77,476	50,007	8,388	2,035
37	Included in projects.....	115,649	66,321	71	767	1,365	11,864	109,016	84,973	11,064	2,443
<b>ACREAGE IRRIGATED</b>											
CLASSIFIED BY SOURCE OF WATER SUPPLY.											
38	Supplied from streams.....	46,754	37,042	64	324	278	149,714	60,164	46,142	10,603	1,070
39	By gravity.....	46,689	37,042		324	270	147,138	60,164	46,142	9,769	832
40	By pumping.....	65		64		8	2,576			834	238
41	Supplied from lakes.....							690	2,420	20	5
42	By gravity.....							690	2,420	20	5
43	By pumping.....										
44	Supplied from wells.....	97,318	1,663	3	6	29	2,264	308		4,428	7
45	Flowing.....	13,570					2-3	305			
46	By pumping.....	83,748	1,663	3	6	29	2,002	3		4,428	7
47	Supplied from springs.....	1,512			46	4	20	7,189	465	5	94
48	Supplied from reservoirs.....	2				60		4,724			15
49	Total acreage supplied by pumping.....	83,815	1,663	67	6	57	4,578	3		5,282	245
<b>IRRIGATION ENTERPRISES</b>											
50	Independent enterprises.....number..	1,567	35	6	45	37	135	388	77	117	35
51	Number in 1899.....	1,673									
52	Per cent of increase, 1899-1910.....										
53	Main ditches.....number..	601	34	5	49	33	45	446	85	106	26
54	Number in 1899.....										
55	Length.....miles..	800	79	5	21	19	261	637	172	233	8
56	Length in 1899.....miles..										
57	Per cent of increase, 1899-1910.....										
58	Capacity.....cubic feet per second..	2,296	1,815	21	28	49	4,478	2,907	1,243	1,903	25
59	Laterals.....number..	494	30			8	353	440	101	23	3
60	Length.....miles..	500	294			6	332	175	65	32	3
61	Reservoirs.....number..	279	3	1	3	7	10	32		2	8
62	Capacity.....acre-feet..	995	12,341	1	8	10	15,003	33,993		2	13
63	Flowing wells.....number..	376					29	45			
64	Capacity.....gallons per minute..	70,818					256	1,256			
65	Pumped wells.....number..	1,673				6	78	2		102	2
66	Capacity.....gallons per minute..	871,143	26,518	150	49	2,291	52,008	44		196,236	300
67	Pumping plants.....number..	1,361	25	6	2	10	108	2		124	17
68	Engine capacity.....horsepower..	30,632	604	48	1	65	1,905			5,338	115
69	Pump capacity.....gallons per minute..	872,718	26,518	1,100	49	3,889	93,239	44		280,513	7,751
<b>COST</b>											
71	Cost of enterprises up to July 1, 1910.....dollars..	7,817,023	512,098	3,380	13,440	30,297	3,748,211	301,040	64,282	405,916	53,948
72	Cost in 1899.....dollars..										
73	Per cent of increase, 1899-1910.....										
74	Average cost per acre enterprises were capable of irrigating in 1910.....dollars..	42.60	10.00	47.61	24.62	51.35	15.07	3.36	1.29	18.25	26.51
75	Average cost per acre irrigated in 1909.....dollars..										
76	Estimated final cost of existing enterprises.....dollars..	9,266,023	512,098	3,380	13,440	30,297	3,748,211	316,040	64,282	578,916	53,948
77	Average per acre included in projects.....dollars..	38.32	6.22	47.61	17.52	22.20	13.30	2.55	0.76	19.35	22.08
<b>OPERATION AND MAINTENANCE</b>											
78	Acreage for which cost is reported.....	67,361	8,696				103,288	950		10,073	
79	Total cost reported.....dollars..	357,967	5,175				94,228	250		12,916	
80	Average per acre for which cost is reported.....dollars..	5.31	0.60				6.91	0.26		1.28	
81	Average cost per acre in 1899.....dollars..										
82	Per cent of increase, 1899-1909.....										

\* Acreage irrigated includes wild grass land, while improved acreage does not.

† Not reported.

‡ Not reported by counties.

## ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND

[Comparative data for 1899 in italics.]

		Nevada	Orange.	Placer.	Plumas.	River-side.	Sacra-mento.	San Benito.	San Ber-nardino.	San Diego. <sup>1</sup>	San Fran-cisco.
1	Number of all farms in 1910.....	544	3,165	1,062	221	2,688	1,601	921	2,949	2,298	157
2	Number of farms irrigated in 1899.....	340	2,215	618	151	2,174	1,053	240	2,463	890	25
3	Per cent of all farms.....	55.1	70.0	58.2	68.3	80.9	65.8	26.1	83.5	38.7	15.9
4	Number of farms irrigated in 1899.....	283	1,555	518	157	1,737	425	166	1,854	1,041	( <sup>2</sup> )
5	Per cent of increase, 1899-1909.....	6.0	42.2	19.3	* 19.3	25.2	147.8	44.6	32.8		
<b>LAND AND FARM AREA</b>											
6	Approximate land area.....	acres.	623,360	508,800	892,800	1,660,160	4,633,600	629,120	890,880	12,900,480	2,701,440
7	Land in farms.....	acres.	175,398	371,692	248,080	184,259	520,896	473,044	644,301	208,396	834,426
8	Improved land in farms.....	acres.	24,542	189,463	98,608	64,281	275,151	275,652	186,573	136,755	234,045
9	Acres irrigated in 1909.....		3,839	55,056	16,845	36,602	71,436	53,663	7,186	70,278	24,944
10	Per cent of total land area.....		0.6	10.8	1.9	2.2	1.5	8.5	0.8	0.5	0.9
11	Per cent of land in farms.....		2.2	14.8	6.8	27.3	13.7	11.3	1.3	33.7	3.0
12	Per cent of improved land in farms.....		15.6	20.1	17.1	42.4	19.5	3.9	61.4	10.7	24.5
13	Acres irrigated in 1899.....		4,003	41,649	10,308	28,423	52,947	19,409	2,870	37,877	16,022
14	Per cent of increase, 1899-1909.....		* 4.1	32.5	63.4	28.8	116.8	332.6	150.4	85.5	55.7
15	Acres enterprises were capable of irrigating in 1910.....		4,239	63,486	23,365	37,529	103,233	69,970	13,790	86,107	31,205
16	Acres included in projects.....		5,207	71,444	61,751	37,901	210,432	74,588	20,067	132,415	45,535
<b>ACREAGE IRRIGATED AND INCLUDED IN PROJECTS</b>											
CLASSIFIED BY CHARACTER OF ENTERPRISE.											
17	United States Reclamation Service, irrigated in 1909.....										
18	Enterprises were capable of irrigating in 1910.....										
19	Included in projects.....										
20	United States Indian Service, irrigated in 1909.....					600				2,890	
21	Enterprises were capable of irrigating in 1910.....					731				3,069	
22	Included in projects.....										
23	Carey Act enterprises, irrigated in 1909.....										
24	Enterprises were capable of irrigating in 1910.....										
25	Included in projects.....										
26	Irrigation districts, irrigated in 1909.....										
27	Enterprises were capable of irrigating in 1910.....										
28	Included in projects.....										
29	Cooperative enterprises, irrigated in 1909.....		85	30,528		44,464		765	49,200	2,640	
30	Enterprises were capable of irrigating in 1910.....		85	31,965		66,659		1,500	55,860	4,040	
31	Included in projects.....		85	38,425		154,011		1,500	62,764	5,560	
32	Commercial enterprises, irrigated in 1909.....		2,075		16,310	7,663	8,819	3,180	2,683	10,000	
33	Enterprises were capable of irrigating in 1910.....		2,109		22,667	11,813	22,162	8,000	2,883	11,000	
34	Included in projects.....		2,109		60,667	11,813	22,162	12,000	45,383	13,250	
35	Individual and partnership enterprises, irrigated in 1909.....		1,679	24,528	365	36,602	18,709	44,864	3,241	18,395	9,414
36	Enterprises were capable of irrigating in 1910.....		2,065	31,521	698	37,529	24,161	47,808	4,290	27,364	13,275
37	Included in projects.....		3,073	33,019	1,084	37,901	43,897	52,426	6,567	41,268	23,656
<b>ACREAGE IRRIGATED</b>											
CLASSIFIED BY SOURCE OF WATER SUPPLY.											
38	Supplied from streams.....		3,662	28,373	16,780	35,279	29,686	44,285	4,425	42,634	19,839
39	By gravity.....		3,647	28,363	16,731	35,279	29,445	42,388	4,374	42,168	19,532
40	By pumping.....		15	110	49		241	1,897	61	466	307
41	Supplied from lakes.....					320			100		
42	By gravity.....								100		
43	By pumping.....										
44	Supplied from wells.....		5	26,683	17	20	40,643	9,398	2,659	26,544	5,080
45	Flowing.....			6,526			20,806		847	3,374	
46	By pumping.....		5	20,157	17		19,837	9,398	1,812	23,170	5,080
47	Supplied from springs.....		172		48	983	1,107		2	1,100	75
48	Supplied from reservoirs.....										
49	Total acreage supplied by pumping.....		20	20,267	66		20,078	11,295	1,863	23,656	5,337
<b>IRRIGATION ENTERPRISES</b>											
50	Independent enterprises.....	number.	103	619	35	127	610	889	109	521	384
51	Number in 1899.....										
52	Per cent of increase, 1899-1910.....										
53	Main ditches.....	number.	110	309	35	147	301	213	64	291	288
54	Number in 1899.....										
55	Per cent of increase, 1899-1910.....										
56	Length.....	miles.	236	180	194	201	500	238	61	466	259
57	Length in 1899.....										
58	Per cent of increase, 1899-1910.....										
59	Capacity.....	cubic feet per second.	372	876	437	1,172	2,825	1,556	366	1,315	1,464
60	Laterals.....	number.	46	115	46	62	262	62	12	237	244
61	Length.....	miles.	12	188	28	28	288	18	38	136	363
62	Reservoirs.....	number.	24	19	29		131	2	6	83	68
63	Capacity.....	acre-feet.	26,438	189	53,354		58,440	352	5,302	90,969	26,845
64	Flowing wells.....	number.		588		3	553		79		
65	Capacity.....	gallons per minute.		92,689		504	90,331		21,825		
66	Pumped wells.....	number.		580		2	792		87		
67	Capacity.....	gallons per minute.		48	200,947	289	289,472	260,303	25,822	209,747	110,807
68	Pumping plants.....	number.		4	433	5	465	1,102	54	102	39
69	Engine capacity.....	horsepower.		12	8,575	30	11,067	5,059	677	10,700	2,857
70	Pump capacity.....	gallons per minute.		848	286,003	1,284	346,788	335,066	29,452	233,136	112,256
<b>COST</b>											
71	Cost of enterprises up to July 1, 1910.....	dollars.	1,569,028	1,948,246	2,798,740	107,118	5,648,469	1,452,471	177,924	9,416,960	3,753,127
72	Cost in 1899.....	dollars.									
73	Per cent of increase, 1899-1910.....										
74	Average cost per acre enterprises were capable of irrigating in 1910.....	dollars.	368.40	30.69	119.78	2.85	54.72	20.76	12.90	109.36	120.27
75	Average cost per acre irrigated in 1899.....	dollars.									
76	Estimated final cost of existing enterprises.....	dollars.	1,569,028	1,948,246	2,798,740	107,118	5,698,469	1,452,471	267,924	13,068,449	3,767,127
77	Average per acre included in projects.....	dollars.	297.90	27.27	45.32	2.83	27.08	19.47	13.35	88.55	82.73
<b>OPERATION AND MAINTENANCE</b>											
78	Acres for which cost is reported.....	dollars.	804	29,239	16,310		51,419	7,229	3,665	33,973	12,640
79	Total cost reported.....	dollars.	3,150	78,875	73,064		293,871	16,079	3,584	187,877	64,374
80	Average per acre for which cost is reported.....	dollars.	3.92	2.70	4.48		5.72	2.22	0.98	5.53	5.09
81	Average cost per acre in 1899.....	dollars.									
82	Per cent of increase, 1899-1909.....										

<sup>1</sup> Change of boundary. (See explanation at close of text.)<sup>2</sup> Included in "all other countries" in Twelfth Census report.

# STATISTICS OF IRRIGATION.

671

COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910—Continued.

[Comparative data for 1899 in italics.]

	San Joaquin.	San Luis Obispo.	San Mateo.	Santa Barbara.	Santa Clara.	Santa Cruz.	Shasta.	Sierra.	Siskiyou.	Solano.
1 Number of all farms in 1910.....	3,286	1,714	665	1,355	4,731	1,466	1,010	110	1,114	1,143
2 Number of farms irrigated in 1909.....	1,452	91	75	10,137	1,101	106	639	85.5	94	13.1
3 Per cent of all farms.....	44.2	5.3	11.3	7.5	23.3	7.2	63.3	85.5	8.4	1.1
4 Number of farms irrigated in 1899.....	414	78	(?)	182	1,129	(?)	686	98	694	29
5 Per cent of increase, 1899-1909.....	250.7	16.7		24.7	2.5		6.9	4.1	7.1	417.2
<b>LAND AND FARM AREA</b>										
6 Approximate land area.....acres.....	926,720	2,133,760	286,080	1,753,600	849,920	278,400	2,469,120	590,720	4,003,840	526,080
7 Land in farms.....acres.....	763,048	1,588,660	100,655	1,120,475	734,819	157,308	389,218	84,220	455,876	474,866
8 Improved land in farms.....acres.....	611,762	326,928	100,800	1,255,532	237,170	66,875	96,217	30,794	186,147	310,432
9 Acreage irrigated in 1909.....acres.....	39,811	1,687	3,648	12,012	37,637	1,201	33,004	17,504	60,801	3,610
10 Per cent of total land area.....	6.5	0.1	1.3	0.7	4.4	0.4	1.3	3.0	1.5	0.7
11 Per cent of land in farms.....	7.8	0.1	2.3	1.1	5.1	0.8	8.5	20.8	13.2	0.8
12 Per cent of improved land in farms.....	8.8	0.5	3.6	5.6	15.9	1.8	34.3	56.8	32.4	1.2
13 Average irrigated in 1899.....acres.....	18,466	1,137	(?)	5,218	40,097	(?)	15,169	13,003	49,103	2,895
14 Per cent of increase, 1899-1909.....	213.9	48.4		273.3	6.1		104.2	28.7	22.8	28.7
15 Acreage enterprises were capable of irrigating in 1910.....	77,083	2,416	3,653	13,572	50,939	1,313	36,564	17,505	66,866	7,160
16 Acreage included in projects.....	173,563	2,539	3,983	13,603	60,140	2,232	72,653	18,249	79,161	8,192
<b>ACREAGE IRRIGATED AND INCLUDED IN PROJECTS</b>										
<b>CLASSIFIED BY CHARACTER OF ENTERPRISE.</b>										
17 U. S. Reclamation Service, irrigated in 1909.....										
18 Enterprises were capable of irrigating in 1910.....										
19 Included in projects.....										
20 U. S. Indian Service, irrigated in 1909.....										
21 Enterprises were capable of irrigating in 1910.....										
22 Included in projects.....										
23 Carey Act enterprises, irrigated in 1909.....										
24 Enterprises were capable of irrigating in 1910.....										
25 Included in projects.....										
26 Irrigation districts, irrigated in 1909.....	3,000									
27 Enterprises were capable of irrigating in 1910.....	3,000									
28 Included in projects.....	71,050									
29 Cooperative enterprises, irrigated in 1909.....	3,066			90	2,175		8,854		2,750	
30 Enterprises were capable of irrigating in 1910.....	6,000	1,003		200	2,175		9,779		2,800	
31 Included in projects.....	6,000	1,002		200	2,475		28,054		2,800	
32 Commercial enterprises, irrigated in 1909.....	2,024		160	3,800	145				500	
33 Enterprises were capable of irrigating in 1910.....	2,563			1,000	10,000	145			500	
34 Included in projects.....	30,000			1,000	12,000	155			500	
35 Individual and partnership enterprises, irrigated in 1909.....	51,787	1,239	3,648	11,762	31,662	1,056	24,150	17,504	57,051	3,610
36 Enterprises were capable of irrigating in 1910.....	60,520	1,414	3,653	12,372	38,764	1,168	26,785	17,505	63,566	7,160
37 Included in projects.....	66,513	1,537	3,983	12,403	45,665	2,077	44,509	18,249	75,861	8,192
<b>ACREAGE IRRIGATED</b>										
<b>CLASSIFIED BY SOURCE OF WATER SUPPLY.</b>										
38 Supplied from streams.....	51,169	1,490	2,551	3,717	14,195	576	31,943	17,154	51,104	1,575
39 By gravity.....	47,512	1,211	1,155	3,382	11,987	367	30,584	17,154	51,006	792
40 By pumping.....	3,657	279	1,396	335	2,208	209	1,259		98	783
41 Supplied from lakes.....						293				26
42 By gravity.....										26
43 By pumping.....						293				
44 Supplied from wells.....	8,642	127	1,057	8,230	23,362	249	213		140	2,068
45 Flowing.....		18			1					1
46 By pumping.....	8,642	109	1,057	8,153	15,947	247	212		140	2,068
47 Supplied from springs.....		70		55	37	64	901	350	9,051	1
48 Supplied from reservoirs.....			40	20	43	19	47		6	
49 Total acreage supplied by pumping.....	12,299	888	2,453	8,488	18,155	749	1,471		238	2,791
<b>IRRIGATION ENTERPRISES</b>										
50 Independent enterprises.....number.....	1,206	65	85	108	842	97	472	100	572	132
51 Number in 1899.....										
52 Per cent of increase, 1899-1910.....										
53 Main ditches.....number.....	298	51	57	76	458	81	446	119	595	20
54 Number in 1899.....										
55 Per cent of increase, 1899-1910.....										
56 Length.....miles.....	308	42	58	75	228	41	678	150	688	22
57 Length in 1899.....										
58 Per cent of increase, 1899-1910.....										
59 Capacity.....cubic feet per second.....	5,415	84	458	140	1,511	161	3,150	2,394	2,576	101
60 Laterals.....number.....	49	5		4	39		130	4	172	
61 Length.....miles.....	192	3		5	27		81	1	41	
62 Reservoirs.....number.....	73	8	3	32	142	55	10	3	20	3
63 Capacity.....acre-feet.....	134,014	52	33	13	9	1,228	3,903	8	107	1
64 Flowing wells.....number.....	4				438	2	2			
65 Capacity.....gallons per minute.....	70				110,816	10	290			
66 Pumped wells.....number.....	1,018	12	40	113	800	58	12		3	
67 Capacity.....gallons per minute.....	432,281	4,416	3,956	24,520	287,668	8,383	6,550		250	70,338
68 Pumping plants.....number.....	1,304	31	59	65	587	70	61		10	127
69 Engine capacity.....horsepower.....	7,382	155	421	1,442	9,404	384	418		69	1,862
70 Pump capacity.....gallons per minute.....	555,124	12,116	8,341	37,133	338,915	16,324	31,937		1,217	100,715
<b>COST</b>										
71 Cost of enterprises up to July 1, 1910.....dollars.....	1,689,720	32,311	90,921	370,186	1,337,216	76,621	430,766	69,650	370,627	135,532
72 Cost in 1899.....										
73 Per cent of increase, 1899-1910.....										
74 Average cost per acre enterprises were capable of irrigating in 1910.....dollars.....	21.92	13.37	24.89	27.28	26.25	58.36	11.78	3.98	5.54	18.93
75 Average cost per acre irrigated in 1899.....dollars.....										
76 Estimated final cost of existing enterprises.....dollars.....	3,324,730	32,311	90,921	370,186	1,337,216	76,621	440,766	69,650	370,627	135,532
77 Average per acre included in projects.....dollars.....	19.16	12.73	22.83	27.21	22.24	34.33	6.07	3.82	4.65	16.54
<b>OPERATION AND MAINTENANCE</b>										
78 Acreage for which cost is reported.....	5,024	184		90	5,800		8,604		1,700	
79 Total cost reported.....dollars.....	5,053	395		704	3,674		6,934		895	
80 Average per acre for which cost is reported.....dollars.....	1.01	2.15		7.82	0.63		0.80		0.53	
81 Average cost per acre in 1899.....dollars.....										
82 Per cent of increase, 1899-1900.....										

1 Decrease.

2 Not reported.

3 Not reported by counties.

## ACREAGE IRRIGATED, EXTENT AND COST OF IRRIGATION ENTERPRISES, AND COST OF OPERATION AND MAINTENANCE, BY COUNTIES: 1909 AND 1910—Continued.

[Comparative data for 1899 in italics.]

	Sonoma.	Stanislaus.	Sutter.	Tehama.	Trinity.	Tulare.	Tuolumne.	Ventura.	Yolo.	Yuba.
1 Number of all farms in 1910.....	4,772	2,687	873	1,006	308	4,021	386	1,293	1,255	436
2 Number of farms irrigated in 1909.....	38	1,911	39	366	201	3,048	157	489	333	112
3 Per cent of all farms.....	0.8	71.1	4.5	36.4	65.3	75.4	40.7	37.8	26.5	25.7
4 Number of farms irrigated in 1899.....	(1)	221	(1)	399	170	21,467	185	553	167	181
5 Per cent of increase, 1899-1909.....		764.7		75.1	18.2	107.8	115.1	38.5	99.4	38.1
<b>LAND AND FARM AREA</b>										
6 Approximate land area..... acres.....	1,099,280	928,000	389,120	1,851,520	2,026,240	3,107,840	1,401,600	1,201,920	648,960	408,960
7 Land in farms..... acres.....	744,644	649,392	388,462	915,227	91,310	1,045,231	193,072	550,199	463,383	249,198
8 Improved land in farms..... acres.....	248,271	512,189	199,510	186,642	13,309	507,024	36,407	213,868	317,268	94,250
9 Acreage irrigated in 1909.....	631	84,015	1,173	14,281	6,324	263,404	2,035	25,273	11,764	3,073
10 Per cent of total land area.....	0.1	9.1	0.3	0.8	0.3	8.5	0.1	2.1	1.8	0.8
11 Per cent of land in farms.....	0.1	12.9	0.3	1.6	0.9	25.4	1.1	4.6	2.5	1.2
12 Per cent of improved land in farms.....	0.3	16.4	0.6	7.7	47.5	52.3	5.6	11.8	3.7	3.3
13 Acreage irrigated in 1899.....	(1)	17,605	(1)	11,512	4,710	586,854	1,881	11,935	6,161	2,477
14 Per cent of increase, 1899-1909.....		379.9		24.1	34.3	203.6	47.4	111.8	127.7	24.1
15 Acreage enterprises were capable of irrigating in 1909.....	131,785	1,361	23,167	7,127	337,938	2,083	49,407	14,697	6,401	6,401
16 Acreage included in projects.....	951	340,914	1,959	36,020	9,513	466,735	5,958	56,357	55,967	46,322
<b>ACREAGE IRRIGATED AND INCLUDED IN PROJECTS</b>										
<b>CLASSIFIED BY CHARACTER OF ENTERPRISE.</b>										
17 U. S. Reclamation Service, irrigated in 1909.....										
18 Enterprises were capable of irrigating in 1910.....										
19 Included in projects.....										
20 U. S. Indian Service, irrigated.....										
21 Enterprises were capable of irrigating in 1910.....										
22 Included in projects.....										
23 Carey Act enterprises, irrigated in 1909.....										
24 Enterprises were capable of irrigating in 1910.....										
25 Included in projects.....										
26 Irrigation districts, irrigated in 1909.....		67,313				82,426				1,750
27 Enterprises were capable of irrigating in 1910.....		303,313				124,658				4,500
28 Included in projects.....						144,068				43,000
29 Cooperative enterprises, irrigated in 1909.....				1,700		125,411		10,180		
30 Enterprises were capable of irrigating in 1910.....		4,000		3,200		146,571		16,388		
31 Included in projects.....		19,000		3,200		227,788		18,425		
32 Commercial enterprises, irrigated in 1909.....		12,230	500	2,900		11,150	1,450	7,650	10,400	281
33 Enterprises were capable of irrigating in 1910.....		12,230	500	5,500		11,630	1,450	20,400	10,400	781
34 Included in projects.....		14,127	1,000	11,500		16,820	5,655	22,000	50,400	781
35 Individual and partnership enterprises, irrigated in 1909.....	631	4,472	673	9,681	6,324	46,417	585	7,443	1,354	1,042
36 Enterprises were capable of irrigating in 1910.....	701	4,472	861	14,467	7,127	55,069	633	12,619	4,297	1,120
37 Included in projects.....	951	4,474	959	21,520	9,513	78,089	903	15,932	5,507	2,541
<b>ACREAGE IRRIGATED</b>										
<b>CLASSIFIED BY SOURCE OF WATER SUPPLY.</b>										
38 Supplied from streams.....	434	84,010	660	13,464	5,984	227,280	1,891	18,198		2,791
39 By gravity.....	255	82,120	660	12,891	5,911	226,939	1,869	18,130		2,791
40 By pumping.....	179	1,890		573		341				
41 Supplied from reservoirs.....									11,457	
42 By gravity.....									10,400	
43 By pumping.....									1,057	
44 Supplied from wells.....	157	5	313	566	2	37,942	8	6,750	297	238
45 Flowing.....				1		6,650	3	581		
46 By pumping.....	157	5	313	565	2	31,286	5	6,169	297	22
47 Supplied from springs.....	40		200	251	338	169	136	72		44
48 Supplied from reservoirs.....						13		263		
49 Total acreage supplied by pumping.....	336	1,895	313	1,138	75	31,627	27	6,237	1,354	238
<b>IRRIGATION ENTERPRISES</b>										
50 Independent enterprises..... number.....	40	27	21	270	193	908	61	189	47	39
51 Number in 1899.....										
52 Per cent of increase, 1899-1910.....										
53 Main ditches..... number.....	22	23	13	136	208	753	62	148	8	36
54 Number in 1899.....										
55 Per cent of increase, 1899-1910.....										
56 Length..... miles.....	21	153	6	164	228	1,033	153	177	87	128
57 Length in 1899.....										
58 Per cent of increase, 1899-1910.....										
59 Capacity..... cubic feet per second.....	14	3,074	27	1,325	802	6,526	245	627	214	398
60 Laterals..... number.....		34		41	41	577	11	53	8	13
61 Length..... feet.....		274		10	13	621	7	83	87	87
62 Reservoirs..... number.....	3	5	6	43	30	63	9	32	5	5
63 Capacity..... acre-feet.....	1	30,016	1	311	427	1,326	10	80	2	80
64 Flowing wells..... number.....				1		79	2	32		
65 Capacity..... gallons per minute.....				8		35,513	14	17,455		
66 Pumped wells..... number.....	11	3	18	141	1	794	4	157	58	11
67 Capacity..... gallons per minute.....	6,831	950	6,616	16,275	750	237,420	16	64,829	29,409	1,005
68 Pumping plants..... number.....	134	707	124	751	34	7,564	8	2,976	981	62
69 Engine capacity..... horsepower.....								72,704	69,094	1,045
70 Pump capacity..... gallons per minute.....	16,763	185,950	6,616	39,680	1,920	244,318	765			
<b>COST</b>										
71 Cost of enterprises up to July 1, 1910..... dollars.....	13,801	4,051,870	18,800	263,055	173,414	5,634,379	180,474	2,262,205	311,660	198,268
72 Cost in 1899..... dollars.....										
73 Per cent of increase, 1899-1910.....										
74 Average cost per acre enterprises were capable of irrigating in 1910..... dollars.....	18.14	28.58	13.81	11.35	24.33	16.67	86.64	45.79	21.21	30.97
75 Average cost per acre irrigated in 1899..... dollars.....										
76 Estimated final cost of existing enterprises..... dollars.....	13,801	5,326,870	18,800	342,555	173,414	5,643,379	180,474	2,317,205	311,660	198,268
77 Average per acre included in projects..... dollars.....	14.51	15.63	9.60	9.51	18.23	12.69	96.29	41.12	5.57	4.28
<b>OPERATION AND MAINTENANCE</b>										
78 Acreage for which cost is reported.....		79,543		4,600		124,961	200	14,604	10,400	1,750
79 Total cost reported..... dollars.....		69,453		4,132		175,823	200	48,418	18,146	1,037
80 Average per acre for which cost is reported..... dollars.....		0.88		0.90		1.41	1.00	3.32	1.74	0.59
81 Average cost per acre in 1899..... dollars.....										
82 Per cent of increase, 1899-1909.....										

1 Included in "all other counties" in Twelfth Census report.

2 Exclusive of Indian reservations.

3 Decrease.

4 See explanation at close of text.

5 Not reported.

6 Not reported by counties.

## CHAPTER 5.

# STATISTICS OF MANUFACTURES FOR THE STATE, CITIES, AND INDUSTRIES.

**Introduction.**—This chapter gives the statistics of manufactures for the state of California for the calendar year 1909, as shown by the Thirteenth Census.

The text summarizes the general results of the census inquiry, presenting a series of special tables in which the main facts printed in the general tables are given in convenient form for the state as a whole and for important industries. It also presents tables in which the statistics for the industries of the state as a whole and for a few important industries are classified by character of ownership, size of establishments, number of wage earners, and prevailing hours of labor, information which could not be presented in general tables for each industry without disclosing the facts for individual establishments.

At the end of the chapter are three general tables.

Table I gives for 1909, 1904, and 1899 the number of establishments and of persons engaged in the industries, primary power, capital, salaries and wages, cost of materials, value of products, and value added by manufacture reported for all industries combined and for certain important industries (1) for the state as a whole and (2) for the cities of Los Angeles, Oakland, and San Francisco. It also gives the same items for all industries combined for every city having in 1910 a population of over 10,000 but less than 50,000.

Table II gives statistics in detail for 1909 for the state and for a larger number of industries.

Table III gives statistics in detail for 1909 for Los Angeles, Oakland, and San Francisco for all industries combined and selected industries, and for each city having from 10,000 to 50,000 inhabitants for all industries combined.

**Scope of census: Factory industries.**—Census statistics of manufactures are compiled primarily for the purpose of showing the absolute and relative magnitude of the different branches of industry covered and their growth or decline. Incidentally, the effort is made to present data throwing light upon character of organization, location of establishments, size of establishments, labor force, and similar subjects. When use is made of the data for these purposes it is imperative that due attention should be given to the limitations of the figures. Particularly is this true when the attempt is made to derive from them figures purporting to show average wages, cost of production, or profits. These limitations will be fully discussed in the general report on manufactures for the United States as a whole.

The census of 1909, like that of 1904, was confined to manufacturing establishments conducted under the factory system, as dis-

tinguished from the neighborhood, hand, and building industries. Where statistics for 1899 are given they have been reduced to a comparable basis by eliminating the latter classes of industries. The census does not include establishments which were idle during the entire year, or had a value of products of less than \$500, or the manufacturing done in educational, eleemosynary, and penal institutions, or in governmental establishments, except those of the Federal Government.

**Period covered.**—The returns cover the calendar year 1909, or the business year which corresponds most nearly to that calendar year. The statistics cover a year's operations, except for establishments which began or discontinued business during the year.

**The establishment.**—The term "establishment" comprises the factories, mills, or plants which are under a common ownership or control, and for which one set of books of account is kept.

If, however, the plants constituting an establishment as thus defined were not all located within the same city or state, separate reports were secured in order that the separate totals might be included in the statistics for each city or state. In some instances separate reports were secured for different industries carried on in the same establishment.

**Classification by industries.**—The establishments were assigned to the several classes of industries according to their products of chief value. The products reported for a given industry may thus, on the one hand, include minor products very different from those covered by the class designation, and, on the other hand, may not include the total product covered by this designation, because some part of this product may be made in establishments in which it is not the product of chief value.

**Selected industries.**—The general tables at the end of this chapter give the principal facts separately for the industries of the state. A selection has been made of the leading industries of the state for more detailed consideration. Sometimes an industry of greater importance than some of those selected is omitted, because it comprises so few establishments that these detailed presentations would reveal the operations of individual concerns.

**Comparisons with previous censuses.**—Owing to the changes in industrial conditions it is not always possible to classify establishments by industries in such a way as to permit accurate comparison with preceding censuses. Table I, giving comparable figures for 1909, 1904, and 1899, therefore, does not embrace all the industries shown for 1909 in Table II.

**Influence of increased prices.**—In considering changes in cost of materials, value of products, and value added by manufacture, account should be taken of the general increase in the prices of commodities during recent years. To the extent to which this factor has been influential the figures can not be taken as an exact measure of increase in the volume of business.

**Persons engaged in industry.**—At the censuses of 1909, 1904, and 1899 the following general classes of persons engaged in manufacturing industries have been distinguished: (1) Proprietors and firm members, (2) salaried officers of corporations, (3) superintendents and managers, (4) clerks, and (5) wage earners. In the censuses of 1904 and 1899 these five classes were shown according to the three

main groups: (1) Proprietors and firm members, (2) salaried officials, clerks, etc., and (3) wage earners. The second group included the three classes of salaried officers of corporations, superintendents and managers, and clerks. In the present census an entirely different grouping is employed: That into (1) proprietors and officials, (2) clerks, and (3) wage earners. The first group includes proprietors and firm members, salaried officers of corporations, and superintendents and managers.

At this census the number of persons engaged in the industries, segregated by sex, and, in the case of wage earners, also by age (whether under 16 or 16 and over), was reported for December 15, or the nearest representative day. The 15th of December was selected as representing for most industries normal conditions of employment, but where conditions were exceptional, and particularly in the case of certain seasonal industries, such as canning, the December date could not be accepted as typical, and an earlier date had to be chosen.

In the case of employees other than wage earners the number thus reported on December 15, or other representative day, has been treated as equivalent to the average for the year, since the number of employees of this class does not vary much from month to month in a given industry. In the case of wage earners the average is obtained in the manner explained in the next paragraph.

**Wage earners.**—In addition to the report by sex and age of the number of wage earners on December 15, or other representative day, a report was obtained of the number employed on the 15th of each month, without distinction of sex or age. From these figures the average number of wage earners for the year has been calculated by dividing the sum of the numbers reported each month by 12. The average thus obtained represents the number of wage earners that would be required to perform the work done if all were constantly employed during the entire year. Accordingly, the importance of any industry as an employer of labor is believed to be more accurately measured by this average than by the number employed at any one time or on a given day.

The number of wage earners reported for the representative day, though given for each separate industry, is not totaled for all industries combined, because in view of the variations of date such a total is believed not to be significant. It would involve more or less duplication of persons working in different industries at different times, would not represent the total number employed in all industries at any one time, and would give an undue weight to seasonal industries as compared with industries in continual operation.

In particular, totals by sex and age for the wage earners reported for the representative day would be misleading because of the undue weight given to seasonal industries, in some of which, such as canning and preserving, the distribution of the wage earners by sex and age is materially different from that in most industries of more regular operation. In order to determine as nearly as possible the sex and age distribution of the average number of wage earners in the state as a whole, the following procedure has been adopted:

The percentage distribution by sex and age of the wage earners in each industry, for December 15, or the nearest representative day, has been calculated from the actual numbers reported for that date. This percentage has been applied to the average number of wage earners for the year in that industry, to determine the average number of men, women, and children employed. These calculated averages for the several industries have been added up to give the average distribution for the state as a whole.

In 1899 and 1904 the schedule called for the average number of wage earners of each sex 16 years and over, and the total number under 16 years of age, for each month, and these monthly statements were combined in an annual average. Comparatively few manufacturing concerns, however, keep their books in such way as to show readily the number of men, women, and children (under 16) employed each month. These monthly returns by sex and age were, in fact, largely estimates. It was believed that a more accurate and reliable sex and age distribution could be secured by taking as a basis of estimate the actual numbers employed on a single day.

**Prevailing hours of labor.**—The census made no attempt to ascertain the number of employees working a given number of hours per week. The inquiry called merely for the prevailing practice followed in each establishment. Occasional variations in hours in an establishment from one period to another are disregarded, and no attention is given to the fact that a limited number of employees may have hours differing from those of the majority. In the tables all the wage earners of each establishment are counted in the class within which the establishment itself falls. In most establishments, however, all or practically all the employees work the same number of hours, so that these figures give a substantially correct picture of the hours of labor in manufacturing industries.

**Capital.**—For reasons stated in prior census reports, the statistics of capital secured by the census canvass are so defective as to be without value, except as indicating very general conditions. The instructions on the schedule for securing capital were as follows:

The answer should show the total amount of capital, both owned and borrowed, on the last day of the business year reported. All the items of fixed and live capital may be taken at the amounts carried on the books. If land or buildings are rented, that fact should be stated and no value given. If a part of the land or buildings is owned, the remainder being rented, that fact should be so stated and only the value of the owned property given. Do not include securities and loans representing investments in other enterprises.

**Materials.**—Cost of materials refers to the materials used during the year, which may be more or less than the materials purchased during the year. The term materials includes fuel, rent of power and heat, mill supplies, and containers, as well as materials forming a constituent part of the product. Fuel includes all fuel used, whether for heat, light, or power, or for the process of manufacture.

**Expenses.**—Under "Expenses" are included all items of expense incident to the year's business, except interest, whether on bonds or other forms of indebtedness, and allowances for depreciation.

**Value of products.**—The value of products for any industry includes the total value of all products manufactured in establishments whose products of chief value fall under the industry designation. The amounts given represent the selling value at the factory of all products manufactured during the year, which may differ from the value of the products sold. Amounts received for work on materials furnished by others are included.

**Value added by manufacture.**—The value of products is not a satisfactory measure of either the absolute or the relative importance of a given industry, because only a part of this value is actually created by the manufacturing process carried on in the industry itself. Another part of it, and often by far the larger part, represents the value of the materials used, which have been produced by agriculture or mining or by other industrial establishments. For many purposes, therefore, the best measure of the importance of different classes of industry is the value created as the result of the manufacturing operations carried on within the industry. This value is obtained by deducting the cost of the materials consumed from the value of the product. The figure thus obtained is termed in the census reports "value added by manufacture."

There is a further statistical advantage which "value added" has over gross value of products. In combining the value of products for all industries the value of products produced by one establishment and used as materials in another is duplicated, and the total, therefore, gives a greatly exaggerated idea of the wealth created. No such duplication takes place in the total "value added by manufacture."

**Cost of manufacture and profits.**—Census data do not show the entire cost of manufacture, and consequently can not be used to show profits. No account has been taken of interest and depreciation. Even if the amount of profit could be determined by deducting the expenses from the value of the products, the rate of profit on the investment could not properly be calculated, because of the very defective character of the returns regarding capital.

**Primary power.**—The figures given for this item show the total of the primary power used by the establishments. They do not cover the power developed by motors operated by such power, the inclusion of which would evidently result in duplication.

**Location of establishments.**—The Census Bureau has classified establishments by their location in cities or classes of cities. In interpreting these figures due consideration should be given to the fact that often establishments are located just outside the boundaries of cities, and are necessarily so classified, though locally they are looked upon as constituting a part of the manufacturing interests of the cities.

**Laundries.**—The census of 1909 was the first to include statistics of laundries. The reports are confined to establishments using mechanical power. The data are presented separately and are not included in the general total for manufacturing industries, in order to avoid interference with comparisons with prior censuses.

**Custom sawmills and gristmills.**—In order to make the statistics for 1909 comparable with those for 1904, the data for these mills have been excluded from all the tables presenting general statistics. Statistics for custom gristmills are given in a separate table at the end of this chapter. Statistics can not be shown for custom sawmills without disclosing the operations of the one establishment reported.

## INDUSTRIES IN GENERAL.

**General character of the state.**—California, with a gross area of 158,297 square miles, of which 2,645 represent water surface, ranks second in size among the states of the Union. Its population in 1910 was 2,377,549, as compared with 1,485,053 in 1900 and 1,213,398 in 1890. In 1910 the density of population for the entire state was 15.3 per square mile, the corresponding figure for 1900 being 9.5. It ranked twelfth among the 49 states and territories as regards population in 1910 and twenty-first in 1900. Sixty-one and eight-tenths per cent of the entire population of the state resided in 1910 in cities and incorporated towns having a population of 2,500 or over, as against 52.4 per cent in 1900.

San Francisco, with a population of 416,912, Los Angeles, with 319,198, and Oakland, with 150,174, were the only cities in the state having over 50,000 inhabitants in 1910, but there were 18 other cities having a population of 10,000 or over. (See table on page 684.) These 21 cities contained 53.3 per cent of the total population of the state in 1910, and were credited with 55.7 per cent of the total value of its manufactured products in 1909. Only 8.5 per cent of the population of the state resided in incorporated places of between 2,500 and 10,000 inhabitants.

San Francisco Bay, which has an area of about 450 square miles, is by far the most important harbor of the state. On this bay are located the cities of San Francisco and Oakland, the former being the most important port on the Pacific coast. Los Angeles and San Diego, in southern California, are the ports of the state next in importance. Several trunk lines and local railways, which operated 7,529 miles of track in 1909,<sup>1</sup> furnish excellent transportation facilities by land, and the lower courses of the Sacramento and San Joaquin Rivers are available for transportation by water. These two rivers, together with numerous smaller rivers and many mountain streams in various parts of the state, afford abundant water power, some of which is transformed into electric energy which in some instances is transmitted over exceptionally long distances.

The natural resources of the state give rise to several of its leading industries, such as the lumber industry, canning and preserving, flour milling and gristmilling, petroleum refining, the refining of beet sugar, the wine industry, and the manufacture of cement. The high

cost of fuel, the greater part of which had to be brought from outside the state, retarded the early development of manufactures, but the discovery of an abundance of oil in the state, the development of the oil fields, and the utilization during recent years of electricity generated by water power have given a decided impetus to manufactures in California.

**Importance and growth of manufactures.**—Although agriculture and mining are the principal industries in California, the state shows a marked growth in manufactures during the last 40 years. The gross value of products per capita of the total population increased from \$119 in 1869 to \$223 in 1909, and the proportion which the manufactures of the state represented of the total value of the products of manufacturing industries in the United States advanced from 1.6 per cent to 2.6 per cent during the same time. California ranked sixteenth among the states in 1869 in gross value of manufactured products, but had advanced to eleventh place in 1909.

The table on page 676 gives the most important figures relative to all classes of manufactures combined for 1909, 1904, and 1899, together with the percentages of increase from census to census.

In 1909 the state of California had 7,659 manufacturing establishments, which gave employment to an average of 141,576 persons during the year and paid out \$107,097,000 in salaries and wages. Of the persons employed, 115,296 were wage earners. These establishments turned out products to the value of \$529,761,000, to produce which materials costing \$325,238,000 were utilized. The value added by manufacture was thus \$204,523,000, which figure, as explained in the Introduction, best represents the net wealth created by manufacturing operations during the year.

The totals presented in this report do not include the statistics for an establishment operated by the Federal Government—the United States navy yard, located at Mare Island. In 1909 this plant employed an average of 1,917 wage earners and the value of the work performed was \$4,335,000.

In general, the table brings out the fact that the manufacturing industries of California, in most respects, showed a higher rate of development during the five-year period 1899–1904 than during the succeeding five-year period 1904–1909. During the period 1899–1904 the average number of wage earners increased 30 per cent, the value of products 42.7 per cent, and the

<sup>1</sup> Interstate Commerce Commission, Statistics of Railways in the United States, 1909.

value added by manufacture 63.8 per cent. For the later period, 1904-1909, the corresponding percentages were 14.9, 44.3, and 35, respectively. As pointed out in the Introduction, it would be improper to infer

that manufactures increased in volume to the full extent indicated by the figures relating to values, since the increase shown is certainly due, in part, to the increase that has taken place in the price of commodities.

	NUMBER OR AMOUNT.			PER CENT OF INCREASE.	
	1909	1904	1899	1904-1909	1899-1904
Number of establishments.....	7,659	6,839	4,997	12.0	36.9
Persons engaged in manufactures.....	141,576	120,040	( <sup>1</sup> )	17.9	-----
Proprietors and firm members.....	8,077	7,402	( <sup>1</sup> )	9.1	-----
Salaried employees.....	18,203	12,283	6,877	48.2	78.6
Wage earners (average number).....	115,296	100,355	77,224	14.9	30.0
Primary horsepower.....	329,100	210,359	126,953	56.4	65.7
Capital.....	\$537,134,000	\$282,647,000	\$175,468,000	90.0	61.1
Expenses.....	476,154,000	321,928,000	225,404,000	47.9	42.8
Services.....	107,097,000	79,056,000	47,385,000	35.5	66.8
Salaries.....	22,955,000	14,399,000	7,495,000	59.4	92.1
Wages.....	84,142,000	64,657,000	39,890,000	30.1	62.1
Materials.....	325,238,000	215,726,000	164,894,000	50.8	30.8
Miscellaneous.....	43,819,000	27,146,000	13,125,000	61.4	106.8
Value of products.....	529,761,000	367,218,000	257,386,000	44.3	42.7
Value added by manufacture (value of products less cost of materials).....	204,523,000	151,492,000	92,492,000	35.0	63.8

<sup>1</sup> Figures not available.

The relative importance and growth of the leading manufacturing industries of the state are shown in the table on page 677.

It should be borne in mind, in considering this table, that the value of products in some of the industries involves a certain amount of duplication due to the use of the products of one establishment in the industry as material for other establishments.

In addition to the 56 industries presented separately in the table, there are 24 other industries in the state which had a value of products in 1909 exceeding \$500,000.<sup>1</sup> These are included under the head of "All other industries" in the table in some cases because the operations of individual establishments would be disclosed if they were shown separately; in others, because the returns do not properly present the true condition of the industry, as it is interwoven with one or more other industries, and in still others because comparable statistics for prior census years are not available, or can not be presented on account of changes in classification. Of these 24 industries, those of special importance are the smelting and refining of lead, the refining of cane sugar, the smelting and refining of copper, the manufacture of beet sugar, the manufacture of explosives, and shipbuilding, including boat

building. The 1909 statistics, however, for the shipbuilding industry are given in Table II, page 706.

The most important industries listed in the table on page 677, in which they are arranged in the order of value of products, call for brief discussion in order to show the scope of the classifications where these are not on their face entirely clear, or to point out important facts in relation to the growth of the industries in the state.

*Lumber and timber products.*—This industry embraces logging operations, sawmills, planing mills, and establishments engaged in the manufacture of wooden-packing boxes. It does not include mills engaged exclusively in custom sawing. The industry is the leading one in the state, giving employment in 1909 to 22,935 wage earners, or 19.9 per cent of the total for all manufacturing industries, and the value of its products amounted to \$45,000,000, or 8.5 per cent of the total. While the growth of the industry during the five-year period 1904-1909 was considerable, its development was much less rapid than during the earlier period, 1899-1904.

*Slaughtering and meat packing.*—This classification includes the wholesale slaughtering and meat-packing establishments and those engaged in the manufacture of sausage only. The animals slaughtered are largely cattle and sheep from the foothills and lower mountain slopes and from the plateau region of the northeastern part of the state and southeastern Oregon, conditions in these sections being very favorable to stock raising. About half of the stock slaughtered is raised within the state.<sup>2</sup> The fact that within recent years the meat packers have been able to overcome, through refrigera-

<sup>1</sup> These industries are:

Artificial flowers and feathers and plumes.	Malt.
Awnings, tents, and sails.	Matchboxes.
Bags, other than paper.	Mineral and soda waters.
Baking powders and yeast.	Oil, not elsewhere specified.
Beet sugar.	Roofing materials.
Chocolate and cocoa products.	Shipbuilding, including boat building.
Cordage and twine and jute and linen goods.	Smelting and refining, copper.
Explosives.	Smelting and refining, lead.
Glass.	Soap.
Glass, cutting, staining, and ornamenting.	Sugar refining, not including beet sugar.
Iron and steel pipe, wrought.	Wirework, including wire rope and cable.
Lead, bar, pipe, and sheet.	Woolen, worsted, and felt goods, and wool hats.

<sup>2</sup> California: Its Products, Resources, Industries, and Attractions, 1909, p. 95.



tion, climatic difficulties which required the excessive use of salt in preserving meats has been an important factor in the growth of this industry. The total value of

products reported for the industry in 1909, \$34,280,000, represents an increase of \$18,463,000, or 116.7 per cent, as compared with the amount reported for 1899.

INDUSTRY.	Number of establishments.	WAGE EARNERS.		VALUE OF PRODUCTS.		VALUE ADDED BY MANUFACTURE.		PER CENT OF INCREASE. <sup>1</sup>			
		Average number.	Per cent distribution.	Amount.	Per cent distribution.	Amount.	Per cent distribution.	Value of products.		Value added by manufacture.	
								1904-1909	1899-1904	1904-1909	1899-1904
<b>All industries.....</b>	<b>7,659</b>	<b>115,298</b>	<b>100.0</b>	<b>\$529,761,000</b>	<b>100.0</b>	<b>\$204,523,000</b>	<b>100.0</b>	<b>44.3</b>	<b>42.7</b>	<b>35.0</b>	<b>63.8</b>
Lumber and timber products.....	644	22,935	19.9	45,000,000	8.5	26,631,000	13.0	30.0	70.5	15.4	89.0
Slaughtering and meat packing.....	94	1,641	1.4	34,280,000	6.5	5,832,000	2.9	55.7	39.2	78.8	48.2
Canning and preserving.....	196	7,757	6.7	32,915,000	6.2	8,906,000	4.4	26.2	74.6	19.9	54.9
Foundry and machine-shop products.....	543	8,377	7.3	26,731,000	5.1	13,830,000	6.8	51.9	35.1	35.4	43.7
Flour-mill and gristmill products.....	125	948	0.8	25,188,000	4.8	3,296,000	1.6	24.7	54.9	7.3	51.9
Printing and publishing.....	1,240	7,556	6.6	25,032,000	4.7	18,705,000	9.1	30.9	80.7	28.1	83.0
Cars and general shop construction and repairs by steam-railroad companies.....	42	9,342	8.1	18,719,000	3.5	9,170,000	4.5	90.3	30.2	39.3	76.6
Petroleum, refining.....	29	930	0.8	17,878,000	3.4	3,980,000	1.9	211.0	723.6	136.0	677.9
Bread and other bakery products.....	864	4,018	3.5	17,710,000	3.3	7,333,000	3.6	66.8	117.7	50.8	115.8
Butter, cheese, and condensed milk.....	161	597	0.5	12,761,000	2.4	1,621,000	0.8	63.2	118.3	19.1	126.1
Leather, tanned, curried, and finished.....	40	1,398	1.2	9,367,000	1.8	2,328,000	1.1	16.0	9.0	7.8	35.3
Liquors, malt.....	83	1,296	1.1	9,319,000	1.8	6,760,000	3.3	24.1	47.7	28.5	38.2
Liquors, vinous.....	181	1,287	1.1	8,937,000	1.7	4,253,000	2.1	33.6	69.9	41.2	114.0
Gas, illuminating and heating.....	74	1,066	0.9	8,827,000	1.7	6,223,000	3.1	64.9	71.2	49.6	86.6
Copper, tin, and sheet-iron products.....	233	1,938	1.7	6,804,000	1.3	3,239,000	1.6	14.6	12.4	22.2	49.1
Cement.....	8	2,407	2.1	6,504,000	1.2	4,322,000	2.1	306.2	.....	361.3	.....
Coffee and spice, roasting and grinding.....	44	352	0.3	6,492,000	1.2	1,875,000	0.9	38.9	.....	.....	74.4
Food preparations.....	129	716	0.6	5,508,000	1.0	1,538,000	0.8	247.1	37.9	137.0	37.2
Liquors, distilled.....	33	193	0.2	5,353,000	1.0	4,518,000	2.2	359.5	389.5	471.9	1,580.9
Clothing, men's, including shirts.....	74	2,385	2.1	5,121,000	1.0	2,226,000	1.1	-2.2	11.0	-10.1	23.1
Furniture and refrigerators.....	129	1,653	1.4	4,496,000	0.9	2,638,000	1.3	58.6	122.5	70.9	125.7
Paint and varnish.....	35	396	0.3	3,758,000	0.7	1,106,000	0.5	58.6	88.2	59.8	113.3
Confectionery.....	89	1,002	0.9	3,624,000	0.7	1,486,000	0.7	3.4	95.9	-3.1	106.8
Iron and steel, steel works and rolling mills.....	5	1,038	0.9	3,520,000	0.7	1,172,000	0.6	136.4	65.3	65.1	89.2
Marble and stone work.....	128	1,415	1.2	3,380,000	0.6	2,197,000	1.1	41.1	113.5	58.1	84.4
Tobacco manufactures.....	332	1,465	1.3	3,360,000	0.6	2,143,000	1.0	5.3	69.1	2.3	82.7
Cars and general shop construction and repairs by street-railroad companies.....	21	1,902	1.6	3,009,000	0.6	1,857,000	0.9	145.0	.....	142.1	.....
Brick and tile.....	78	1,703	1.5	2,756,000	0.5	1,804,000	0.9	43.8	129.7	14.1	136.7
Agricultural implements.....	25	622	0.5	2,670,000	0.5	1,229,000	0.6	79.9	9.3	61.7	7.2
Ics, manufactured.....	77	666	0.6	2,331,000	0.4	1,767,000	0.9	78.3	155.5	75.3	157.8
Fertilizers.....	15	226	0.2	2,313,000	0.4	517,000	0.3	158.7	33.2	37.9	99.5
Leather goods.....	88	710	0.6	2,244,000	0.4	1,145,000	0.6	5.6	24.8	3.1	40.7
Cooperage and wooden goods, not elsewhere specified.....	38	416	0.4	2,180,000	0.4	858,000	0.4	26.1	21.6	0.7	25.6
Mattresses and spring beds.....	35	528	0.5	2,164,000	0.4	921,000	0.4	114.3	144.0	72.1	190.8
Carriages and wagons and materials.....	155	760	0.7	2,052,000	0.4	1,203,000	0.6	-12.8	19.0	-19.8	25.0
Boots and shoes, including cut stock and findings.....	18	695	0.6	1,924,000	0.4	904,000	0.4	11.0	-6.9	9.5	-3.3
Pottery, terra-cotta, and fire-clay products.....	26	1,027	0.9	1,797,000	0.3	1,292,000	0.6	2.0	134.5	-5.4	178.6
Gas and electric fixtures and lamps and reflectors.....	41	553	0.5	1,715,000	0.3	965,000	0.5	.....	.....	.....	.....
Clothing, women's.....	64	791	0.7	1,672,000	0.3	796,000	0.4	-4.2	-11.9	-9.8	-3.4
Electrical machinery, apparatus, and supplies.....	27	435	0.4	1,615,000	0.3	685,000	0.3	69.7	80.6	20.2	139.3
Firearms and ammunition.....	5	156	0.1	1,577,000	0.3	410,000	0.2	102.2	19.6	51.9	67.7
Jewelry.....	58	574	0.5	1,537,000	0.3	893,000	0.4	7.6	108.8	16.7	161.1
Patent medicines and compounds and druggists' preparations.....	89	310	0.3	1,549,000	0.3	910,000	0.4	7.2	-7.5	-0.2	12.9
Automobiles, including bodies and parts.....	41	478	0.4	1,470,000	0.3	770,000	0.4	3,983.3	.....	3,247.8	.....
Chemicals.....	13	244	0.2	1,306,000	0.3	544,000	0.3	16.2	-45.5	28.3	-35.3
Gloves and mittens, leather.....	23	570	0.5	1,231,000	0.2	673,000	0.3	35.1	-1.1	48.9	-6.6
Sulphuric, nitric, and mixed acids.....	6	217	0.2	1,161,000	0.2	421,000	0.2	26.9	.....	32.0	.....
Furnishing goods, men's.....	5	52	(?)	1,120,000	0.2	273,000	0.1	55.3	30.9	108.4	50.6
Paper and wood pulp.....	4	312	0.3	969,000	0.2	529,000	0.3	51.2	.....	44.5	.....
Boxes, fancy and paper.....	19	624	0.5	965,000	0.2	523,000	0.3	84.2	59.3	84.8	45.1
Salt.....	19	402	0.3	749,000	0.1	504,000	0.2	73.9	12.9	63.1	17.5
Furnishing goods, men's.....	11	124	0.1	721,000	0.1	264,000	0.1	163.1	-58.2	146.7	-63.7
Brass and bronze products.....	29	195	0.2	679,000	0.1	354,000	0.2	-27.8	15.9	-38.0	50.6
Artificial stone.....	66	320	0.3	613,000	0.1	423,000	0.2	95.4	.....	112.6	.....
Line.....	15	410	0.4	609,000	0.1	397,000	0.2	6.5	.....	3.4	.....
Stoves and furnaces, including gas and oil stoves.....	17	215	0.2	514,000	0.1	305,000	0.2	84.2	.....	70.2	.....
All other industries.....	976	14,341	12.4	131,833,000	24.9	33,288,000	16.3	.....	.....	.....	.....

<sup>1</sup> Percentages are based on figures in Table I; a minus sign (—) denotes decrease. Where the percentages are omitted, comparable figures can not be given.

<sup>2</sup> Less than one-tenth of 1 per cent.

*Canning and preserving.*—This classification includes the canning of fruits and vegetables, fish, oysters, clams, etc., the preparation of pickled, smoked, and dried fish, the packing of dried fruits by packing houses which make a specialty of such business, and the manufacture of pickles, preserves, jellies, sauces, etc., but

it does not include the drying and packing of fruits by the grower on the farm, nor does it include the canning of meats, soups, and similar products in meat-packing establishments (the statistics for which are included with those for the slaughtering and meat-packing industry). The climate of the state is especially

favorable to the growth of fruits of all kinds, and large quantities are canned, dried, and preserved for sale in the eastern and foreign markets. The canning, pickling, smoking, and drying of fish and the canning of oysters form comparatively unimportant branches of the industry. California far exceeds any other state in the value of products for this industry, the amount reported for 1909 being \$32,915,000, or 21 per cent of the total for the United States.

*Foundry and machine-shop products.*—This industry embraces, in addition to the general class of foundries and machine shops, establishments engaged in such special lines as the manufacture of gas machines and gas and water meters, hardware, plumbers' supplies, steam fittings and heating apparatus, and structural ironwork. It does not, however, include establishments which manufacture distinctive products covered by other classifications, such as cash registers and calculating machines, or electrical machinery, apparatus, and supplies. This industry ranked third among the manufacturing industries of the state in 1909 in number of wage earners, giving employment to 8,377, or 7.3 per cent of the total for all industries.

*Flour-mill and gristmill products.*—The statistics for all merchant mills grinding wheat, rye, buckwheat, corn, or other grains are included in this classification. It does not, however, include factories making fancy cereals or other food preparations as a chief product, or mills doing custom grinding exclusively. The statistics for the latter mills are presented separately on page 697. The industry shows an increase of \$12,143,000, or 93.1 per cent, in value of products during the decade 1899-1909.

*Printing and publishing.*—This classification includes job printing, the printing and publishing of books, newspapers and periodicals, and music, bookbinding, steel engraving, and lithographing. More establishments were reported for this industry in 1909 than for any other in the state. The 1,240 establishments reporting included 705 publishing newspapers and periodicals and 481 doing book and job work exclusively. The average number of wage earners employed in the newspaper and periodical branch of the industry was 3,650, and the value of products \$15,239,000; the average number of wage earners engaged in book and job work was 2,907, and the value of products \$7,438,000. These two branches of the industry together employed 86.8 per cent of the average number of wage earners and reported 90.6 per cent of the total value of products for the entire industry in 1909.

*Cars and general shop construction and repairs by steam-railroad companies.*—This industry represents the work done in the car shops operated by steam-railroad companies, but does not cover minor repairs in roundhouses. The operations consist almost exclusively of repairs to the rolling stock and equipment. It is seventh in importance, as measured by value of products, among the industries given in the table and

shows a remarkable development for the 10-year period. In 1909 the industry gave employment to an average of 9,342 wage earners, the second largest number reported for any manufacturing industry in the state, and the value of the work done amounted to \$18,719,000.

*Petroleum, refining.*—The recent development of the extensive oil fields of the state has made California the leading state of the Union in the production of crude petroleum. The refining of petroleum has made remarkable progress in the state during the last few years, the value of the products of the industry in 1909 being \$17,878,000, or over twenty-five times as great as in 1899, when it was only \$698,000.

*Butter, cheese, and condensed milk.*—This industry, which in California is confined chiefly to the manufacture of butter, has made marked progress during the past decade, the value of products increasing from \$3,583,000 in 1899 to \$12,761,000 in 1909, a gain of 256.2 per cent. The manufacture of cheese and condensed milk decreased materially during the period 1904-1909.

*Leather, tanned, curried, and finished.*—The tanning, currying, and finishing of leather did not become prominent in California until about 1861. From that time, however, it grew rapidly and since 1877 the local supply of hides and skins has not been large enough to satisfy the requirements of the industry, so that it has been necessary to supplement it by hides and skins brought in from other states or imported from foreign countries.<sup>1</sup> In 1879 there were 142 establishments in the state engaged in the leather industry, their total output being valued at \$6,193,573. Since that time the number of establishments has decreased, but, with the exception of a slight decrease during the first decade following 1879, the value of products has shown a substantial increase from census to census.

*Liquors, malt.*—This industry shows considerable growth for the decade, the gain both in value of products and in value added by manufacture being greater, however, for the five-year period 1899-1904 than for the following five-year period.

*Liquors, vinous.*—The extensive vineyards of California have placed this state far ahead of any other in the wine industry. In 1909 the value of products for the industry in the state, \$8,937,000, represented 68.1 per cent of the total for the United States, as compared with \$6,689,000, or 60.3 per cent, in 1904 and \$3,938,000, or 60.1 per cent, in 1899.

*Gas, illuminating and heating.*—The manufacture of gas is notable in California because of the extensive use of petroleum. On account of the lack of coal in the state, the product of the gas plants has been limited to the manufacture of carbureted water gas and oil gas. According to the statistics for 1909, the production of oil gas greatly exceeded that of carbureted water gas.

<sup>1</sup>The Commerce and Industries of the Pacific Coast, p. 189. History of California, Vol. VII, p. 91.

The total value of products reported for the industry in 1909 was \$8,927,000, an increase of \$5,765,000, or 182.3 per cent, over that for 1899.

**Cement.**—California has numerous beds of soft limestone and clay which are relatively low in magnesia and which are being utilized to a considerable extent for the manufacture of Portland cement. In 1904 there were four establishments engaged in the industry, employing 596 wage earners and reported products valued at \$1,601,000, while in 1909 the industry had increased to eight establishments, giving employment to an average of 2,407 wage earners and reporting a product valued at \$6,504,000. The counties in which the industry is most extensively carried on, named in order of importance, are Solano, Santa Cruz, and San Bernardino.

With the exception of the lumber industry, which holds first place on either basis, the rank of the industries shown separately in the preceding table in respect to value added by manufacture, differs considerably from their rank in value of products, which is the order in which they are arranged in the table. The printing and publishing industry ranks second among these industries in value added by manufacture, instead of slaughtering and meat packing, which falls to ninth place, while the foundry and machine-shop industry becomes third, instead of canning and preserving, which drops to fifth place. The steam-railroad repair shops rise from seventh place to fourth, the bakery industry from ninth to sixth, the brewery industry from twelfth to seventh, and the gas industry from fourteenth to eighth. On the other hand, the flour-mill and gristmill industry drops from fifth place to fourteenth, petroleum refining from eighth to thirteenth, and the butter, cheese, and condensed-milk industry from tenth to twenty-fifth.

A number of industries, particularly the butter, cheese, and condensed-milk, flour-mill and gristmill, slaughtering and meat-packing, and petroleum-refining industries, have a much lower rank in value added by manufacture and in average number of wage earners than in value of products. This condition is due mainly to the comparatively simple processes of manufacture existing in these industries, as a result of which by far the greater proportion of the gross value of products represents the cost of materials, while the proportion representing wages, which usually constitute the principal factor in value added by manufacture, is relatively small.

The percentages of increase or decrease in value of products and value added by manufacture for the five-year periods 1904-1909 and 1899-1904 are given for each industry presented separately in the preceding table for which comparable statistics are shown separately in Table I, page 698.

The automobile industry, which in California had its beginning but a short time prior to the census of 1904, shows a much higher rate of increase in both respects

from 1904 to 1909 than any other of these industries, the value of products in 1909 being more than forty times as great and the value added by manufacture more than thirty-three times as great as in 1904. The distillery, cement, food-preparation, and petroleum-refining industries also show remarkable increases in both value of products and value added by manufacture during the same period.

The making of women's clothing is the only industry shown separately in the table for which decreases in both value of products and value added by manufacture are shown for both five-year periods. The manufacture of men's clothing, of carriages and wagons, and of brass and bronze products show decreases in both respects for the later five-year period, 1904 to 1909, while for the confectionery industry and the manufacture of pottery, terra-cotta, and fire-clay products and of patent medicines and compounds and druggists' preparations decreases in value added by manufacture only are shown for that period. In addition to the women's clothing industry, four others show decreases in both value of products and value added by manufacture for the earlier five-year period, 1899-1904, while one shows a decrease in value of products only and one a decrease in value added by manufacture only.

The value of products of the breweries and the distilleries includes a very large amount of Federal internal-revenue tax, and is, therefore, misleading as an indication of the importance of these industries from a purely manufacturing standpoint. In the case of the wine industry the amount of internal-revenue tax included is much smaller relatively than in the other two liquor industries, as no internal-revenue tax is imposed upon wine made from grapes grown by the manufacturer himself, or upon wine made from purchased grapes when it is sold at the place where it is made or at the general business office of the manufacturer. The establishments included in this industry also make considerable quantities of brandy, some of which is sold, in which case it is subject to the regular internal-revenue tax on distilled liquors; most of the brandy made, however, is used in fortifying the wine produced in the same establishment and is not subject to tax.

**Persons engaged in manufacturing industries.**—The next table shows for 1909 the distribution of the number of persons engaged in manufactures, the average number of wage earners being distributed by sex and age. It should be borne in mind, however, that the sex and age classification of the average number of wage earners in this and other tables is an estimate obtained by the method described in the Introduction.

The average number of persons engaged in manufactures during 1909 was 141,576, of whom 115,296 were wage earners. Of the remainder, 13,640 were proprietors and officials, and 12,640 were clerks. Corresponding figures for individual industries will be found in Table II, page 706.

CLASS.	PERSONS ENGAGED IN MANUFACTURES.		
	Total.	Male.	Female.
<b>All classes.....</b>	<b>141,576</b>	<b>123,929</b>	<b>17,647</b>
Proprietors and officials.....	13,640	13,293	347
Proprietors and firm members.....	8,077	7,826	251
Salaried officers of corporations.....	2,103	2,036	67
Superintendents and managers.....	3,460	3,431	29
Clerks.....	12,640	9,672	2,968
Wage earners (average number).....	115,296	100,964	14,332
16 years of age and over.....	114,236	100,218	14,018
Under 16 years of age.....	1,060	746	314

The following table shows, for 1909, the percentage of proprietors and officials, clerks, and wage earners, respectively, among the total number of persons employed in manufactures. It covers all industries combined and 20 important industries individually.

INDUSTRY.	PERSONS ENGAGED IN MANUFACTURES.			
	Total number.	Per cent of total.		
		Proprietors and officials.	Clerks.	Wage earners (average number).
<b>All industries.....</b>	<b>141,576</b>	<b>9.6</b>	<b>8.9</b>	<b>81.4</b>
Bread and other bakery products.....	5,801	21.2	9.6	69.3
Butter, cheese, and condensed milk.....	918	22.8	12.2	65.0
Canning and preserving.....	8,714	5.0	6.0	89.0
Cars and general shop construction and repairs by steam-railroad companies.....	9,688	0.7	2.6	96.4
Cement.....	2,521	11.0	3.6	85.5
Clothing, men's, including shirts.....	2,825	11.3	5.3	83.4
Coffee and spice, roasting and grinding.....	707	11.0	39.2	49.8
Copper, tin, and sheet-iron products.....	2,511	17.0	5.8	77.2
Flour-mill and gristmill products.....	1,392	14.9	17.0	68.1
Food preparations.....	1,108	25.1	12.3	64.6
Foundry and machine-shop products.....	10,218	9.8	8.2	82.0
Gas, illuminating and heating.....	2,538	6.7	27.7	65.6
Leather, tanned, curried, and unfinished.....	1,547	5.8	3.5	90.4
Liquors, distilled.....	264	17.8	9.1	73.1
Liquors, malt.....	1,626	10.5	9.8	79.7
Liquors, vinous.....	1,691	16.9	7.0	76.1
Lumber and timber products.....	25,079	4.8	3.8	91.5
Petroleum, refining.....	1,146	6.0	12.7	81.2
Printing and publishing.....	12,215	14.8	23.4	61.9
Slaughtering and meat packing.....	2,135	10.1	13.0	76.9
All other industries.....	46,898	11.4	8.5	80.1

Of the total number of persons engaged in all manufacturing industries, 9.6 per cent were proprietors and officials, 8.9 per cent clerks, and 81.4 per cent wage earners. In the bakery and the butter, cheese, and condensed-milk industries, and in the manufacture of food preparations, the majority of the establishments are comparatively small and the work is to a large extent done by the proprietors or their immediate representatives, so that the proportion of the persons engaged in these industries falling into the class of proprietors and officials is very much higher than for most other industries or for all industries combined. The smallest proportions shown for this class are for the steam-railroad repair shops and the cement industry, owing principally to the large number of wage earners employed per establishment in these industries.

The following table shows for 1909, in percentages, for all industries combined, the distribution of the average number of wage earners by age periods, and

for those 16 years of age and over by sex, calculated in the manner described in the Introduction. It also shows, for some of the important industries separately, a similar distribution of wage earners as reported for December 15, or the nearest representative day. As a means of judging the importance of the several industries the average number employed for the year is also given in each case.

INDUSTRY.	Average number. <sup>1</sup>	WAGE EARNERS.		
		Per cent of total.		
		16 years of age and over.		Under 16 years of age.
		Male.	Female.	
<b>All industries.....</b>	<b>115,296</b>	<b>86.9</b>	<b>12.2</b>	<b>0.9</b>
Bread and other bakery products.....	4,018	80.3	18.8	0.9
Butter, cheese, and condensed milk.....	307	63.8	6.2	3.0
Canning and preserving.....	7,757	41.4	56.3	2.2
Cars and general shop construction and repairs by steam-railroad companies.....	9,342	100.0	.....	(2)
Cement.....	2,407	99.9	.....	0.1
Clothing, men's, including shirts.....	2,385	17.4	82.4	0.2
Coffee and spice, roasting and grinding.....	352	62.8	36.6	0.6
Copper, tin, and sheet-iron products.....	1,938	94.4	5.2	0.4
Flour-mill and gristmill products.....	948	97.9	2.1	0.1
Food preparations.....	716	68.0	31.7	0.3
Foundry and machine-shop products.....	8,377	99.3	0.2	0.5
Gas, illuminating and heating.....	1,666	100.0	.....	0.0
Leather, tanned, curried, and unfinished.....	1,308	99.7	.....	0.3
Liquors, distilled.....	193	86.5	13.5	0.0
Liquors, malt.....	1,296	100.0	.....	0.0
Liquors, vinous.....	1,287	98.8	1.2	0.0
Lumber and timber products.....	22,465	99.2	0.6	0.2
Petroleum, refining.....	539	99.9	0.1	0.0
Printing and publishing.....	7,556	81.9	15.7	2.4
Slaughtering and meat packing.....	1,641	97.4	1.8	0.8
All other industries.....	37,557	85.2	13.3	1.4

<sup>1</sup> For method of estimating the distribution, by sex and age periods, of the average number in all industries combined, see Introduction.

<sup>2</sup> Less than one-tenth of 1 per cent.

For all industries combined, 86.9 per cent of the average number of wage earners were males 16 years of age and over; 12.2 per cent females 16 years of age and over; and nine-tenths of 1 per cent children under the age of 16. A majority of the adult female wage earners were employed in the canning and preserving, men's clothing, and printing and publishing industries. Females 16 years of age or over formed a larger proportion (82.4 per cent) of the wage earners in the men's clothing industry than in any other important industry in the state. In the women's clothing industry slightly more than two-thirds of the wage earners belonged to this class, while in the manufacture of fancy and paper boxes and the confectionery industry the proportion exceeded three-fifths, and in the canning and preserving industry and the manufacture of leather gloves and mittens it exceeded one-half.

The canning and preserving and the printing and publishing industries, which were the only ones giving employment to an average of more than 100 wage earners under 16 years of age, together employed about one-third of the total number of such wage earners in all manufacturing industries of the state. The proportions which children formed of the total number of wage earners in these industries were also relatively high (2.2 per cent and 2.4 per cent, respec-

tively), although both were exceeded by that in the boot and shoe industry (5.6 per cent) and by those in other industries in which the actual number of children employed was small.

In order to compare the distribution of persons engaged in manufactures in 1909 with that shown at the census of 1904 it is necessary to use the classification employed at the earlier census. (See Introduction.) The following table makes this comparison according to occupational status:

CLASS.	PERSONS ENGAGED IN MANUFACTURES.				
	1909		1904		Per cent of increase, 1904-1909.
	Number.	Percent distribution.	Number.	Percent distribution.	
Total.....	141,576	100.0	120,040	100.0	17.9
Proprietors and firm members.....	8,077	5.7	7,402	6.2	9.1
Salaried employees.....	18,203	12.9	12,283	10.2	48.2
Wage earners (average number).....	115,296	81.4	100,355	83.6	14.9

Comparable figures are not obtainable for 1899. The table shows a much greater percentage of increase in the number of salaried employees than in that of the other two classes.

The table in the next column shows the average number of wage earners distributed according to age periods, and in the case of those 16 years of age and over according to sex, for 1909, 1904, and 1899. The averages for 1909 are estimated on the basis of the actual number reported for a single representative day. (See Introduction.)

The table shows that for all industries combined the proportion of wage earners under 16 years of age was decidedly less in 1909 than in 1899, the actual number

of such employees having decreased 42.5 per cent during this period. The proportion of adult female wage earners was less in 1904 than in 1899, and in 1909 than in 1904, although the actual number increased from 1899 to 1904 and was practically the same in 1909 as in 1904. Males 16 years of age and over formed 86.9 per cent of all wage earners in 1909, as compared with 84.4 per cent in 1904 and 79.7 per cent in 1899.

CLASS.	AVERAGE NUMBER OF WAGE EARNERS.					
	1909		1901		1899	
	Number.	Percent distribution.	Number.	Percent distribution.	Number.	Percent distribution.
Total.....	115,296	100.0	100,355	100.0	77,224	100.0
16 years of age and over.....	114,236	99.1	98,772	98.4	75,382	97.6
Male.....	100,218	86.9	84,688	84.4	61,574	79.7
Female.....	14,018	12.2	14,084	14.0	13,808	17.9
Under 16 years of age.....	1,060	0.9	1,583	1.6	1,842	2.4

**Wage earners employed, by months.**—The following table gives the number of wage earners employed on the 15th of each month during the year 1909, for all industries combined, for the canning and preserving and lumber industries, and for all other industries combined; it gives also the percentage which the number reported for each month is of the greatest number reported for any month. In Table II, page 706, are shown, for the majority of the important industries in the state, the largest number and also the smallest number of wage earners reported for any month. The figures are for the 15th day, or the nearest representative day, of the month. The wage earners for the lumber industry are divided in the table below in such a manner as to show separately the number engaged in the mills and in the logging operations.

MONTH.	WAGE EARNERS.											
	All industries.		Canning and preserving.		Lumber and timber products.						All other industries.	
					Total.		In mills.		In logging operations.			
	Number.	Per cent of maximum.	Number.	Per cent of maximum.	Number.	Per cent of maximum.	Number.	Per cent of maximum.	Number.	Per cent of maximum.	Number.	Per cent of maximum.
January.....	94,747	71.6	2,854	17.8	14,401	49.7	12,150	63.5	2,251	22.8	77,492	85.1
February.....	94,252	71.3	2,781	17.3	14,441	49.8	12,074	63.1	2,367	24.0	77,030	84.6
March.....	100,372	75.9	2,870	17.9	16,825	58.0	12,793	66.8	4,032	40.9	80,677	88.6
April.....	108,437	82.0	3,578	24.2	21,855	75.4	15,014	78.4	6,839	63.4	82,706	90.8
May.....	115,839	87.6	5,063	31.6	26,755	92.3	17,525	91.5	9,230	93.7	84,021	92.3
June.....	119,911	90.6	6,308	42.4	28,533	98.4	18,681	97.6	9,852	99.9	84,570	92.9
July.....	124,886	94.4	11,567	72.1	28,986	100.0	19,131	99.9	9,855	100.0	84,333	92.6
August.....	131,202	99.2	16,047	100.0	28,961	99.9	19,148	100.0	9,813	99.6	85,194	94.6
September.....	132,280	100.0	14,781	92.1	27,932	96.4	18,833	98.4	9,099	92.3	89,567	98.3
October.....	129,864	98.2	12,952	80.7	25,835	89.1	17,990	94.0	7,845	79.6	91,077	100.0
November.....	121,486	91.8	8,951	55.8	22,897	78.7	16,897	88.2	5,910	60.0	89,728	98.5
December.....	110,281	83.4	4,542	28.3	17,594	61.7	14,795	77.3	3,099	31.4	87,845	96.5

Canning and preserving is a seasonal industry, giving employment to a large number of persons in July, August, September, and October, and to a comparatively small number during most of the other months of the year. The number of wage earners

employed in the industry varied from 2,781 in February to 16,047 in August. The variation of employment in the lumber industry was not so great, but as this industry employed a much larger average number of wage earners than the canning and preserving indus-

try, it exerted a greater influence upon the total number of wage earners employed in all manufacturing industries in the state. The number reported for this industry in January, the month of minimum employment, was 14,585 less than the number shown for July, the month of maximum employment, the variation in this one industry representing nearly one-half of the total variation between the numbers employed during these months in all industries combined. There are other seasonal industries in the state not shown in the table because the numbers of wage earners employed are too small to affect the totals materially. In the manufacture of beet sugar the maximum, 3,420, was reported for September and

the minimum, 772, for February, while in the production of vinous liquors the greatest number, 2,868, was employed in October and the smallest, 793, in June.

**Prevailing hours of labor.**—In the following table wage earners have been classified according to the hours of labor prevailing in the establishments in which they are employed. In making this classification the average number of wage earners employed during the year is used, and the number employed in each establishment is classified as a total according to the hours prevailing in that establishment, even though a few employees work a greater or less number of hours.

INDUSTRY.	AVERAGE NUMBER OF WAGE EARNERS IN ESTABLISHMENTS GROUPED ACCORDING TO PREVAILING HOURS OF WORK PER WEEK.								
	Total.	48 and under.	Between 48 and 54.	54.	Between 54 and 60.	60.	Between 60 and 72.	72.	Over 72.
<b>All industries.....</b>	<b>115,296</b>	<b>22,765</b>	<b>9,652</b>	<b>34,674</b>	<b>6,968</b>	<b>31,107</b>	<b>7,125</b>	<b>386</b>	<b>2,619</b>
Agricultural implements.....	622	2	.....	584	.....	20	16	.....	.....
Artificial stone.....	320	191	19	110	.....	.....	.....	.....	.....
Automobiles, including bodies and parts.....	478	42	8	261	.....	.....	1	.....	.....
Babbitt metal and solder.....	52	.....	13	15	.....	24	.....	.....	.....
Boots and shoes, including cut stock and findings.....	695	.....	.....	641	.....	35	19	.....	.....
Boxes, fancy and paper.....	624	56	171	397	.....	.....	.....	.....	.....
Brass and bronze products.....	195	19	113	25	35	3	.....	.....	.....
Bread and other bakery products.....	4,018	413	55	1,552	644	1,011	278	33	32
Brick and tile.....	1,703	186	.....	1,410	.....	72	10	.....	25
Butter, cheese, and condensed milk.....	597	58	11	56	85	120	244	5	18
Canning and preserving.....	7,757	332	53	428	147	6,083	514	46	154
Carriages and wagons and materials.....	760	270	48	327	40	72	.....	.....	.....
Cars and general shop construction and repairs by steam-railroad companies.....	9,342	76	.....	7,761	12	1,461	32	.....	.....
Cars and general shop construction and repairs by street-railroad companies.....	1,902	36	291	1,187	311	49	28	.....	.....
Cement.....	2,407	1	.....	.....	212	.....	1,986	.....	208
Chemicals.....	244	1	.....	24	.....	160	.....	.....	59
Clothing, men's, including shirts.....	2,335	1,327	721	178	.....	124	35	.....	.....
Clothing, women's.....	791	328	109	187	1	143	23	.....	.....
Coffee and spice, roasting and grinding.....	352	53	63	183	10	43	.....	.....	.....
Confectionery.....	1,002	119	156	489	147	74	17	.....	.....
Cooperage and wooden goods, not elsewhere specified.....	416	36	37	301	.....	22	20	.....	.....
Copper, tin, and sheet-iron products.....	1,938	1,138	160	256	366	18	.....	.....	.....
Electrical machinery, apparatus, and supplies.....	235	153	75	159	27	1	.....	.....	.....
Fertilizers.....	226	8	1	97	12	84	24	.....	.....
Firearms and ammunition.....	156	9	.....	46	101	.....	.....	.....	.....
Flour-mill and gristmill products.....	948	117	71	77	53	371	255	4	.....
Food preparations.....	716	100	45	137	100	307	27	.....	.....
Foundry and machine-shop products.....	5,377	1,326	2,774	2,586	1,218	414	59	.....	.....
Furnishing goods, men's.....	134	58	43	33	.....	.....	.....	.....	.....
Furniture and refrigerators.....	1,653	835	30	662	89	37	.....	.....	.....
Gas and electric fixtures and lamps and reflectors.....	553	246	23	284	.....	.....	.....	.....	.....
Gas, illuminating and heating.....	1,666	127	7	.....	965	4	533	8	22
Gloves and mittens, leather.....	570	188	340	42	.....	.....	.....	.....	.....
Ice, manufactured.....	666	32	.....	28	102	256	131	1	116
Iron and steel, steel works and rolling mills.....	1,038	.....	348	69	179	442	.....	.....	.....
Jewelry.....	574	35	80	379	25	12	25	.....	18
Leather goods.....	710	36	68	584	5	17	.....	.....	.....
Leather, tanned, curried, and finished.....	1,398	2	67	1,193	116	20	.....	.....	.....
Lime.....	410	6	.....	94	1	127	182	2	.....
Liquors, distilled.....	193	.....	.....	111	5	67	8	.....	.....
Liquors, malt.....	1,296	1,215	.....	21	41	10	3	4	2
Liquors, vinous.....	1,287	33	4	306	215	387	318	23	1
Lumber and timber products.....	22,935	3,859	68	2,709	228	14,732	1,324	15	.....
Marble and stone work.....	1,415	1,022	23	83	223	34	20	.....	.....
Mattresses and spring beds.....	528	249	75	204	.....	.....	.....	.....	.....
Paint and varnish.....	396	28	27	285	55	1	.....	.....	.....
Paper and wood pulp.....	312	.....	.....	.....	.....	181	116	15	.....
Patent medicines and compounds and druggists' preparations.....	310	118	117	66	.....	9	.....	.....	.....
Petroleum, refining.....	930	25	.....	485	31	18	64	22	285
Pottery, terra-cotta, and fire-clay products.....	1,027	18	.....	660	.....	250	99	.....	.....
Printing and publishing.....	7,556	5,485	1,038	778	119	119	17	.....	.....
Salt.....	402	.....	.....	64	.....	289	1	48	.....
Slaughtering and meat packing.....	1,641	55	37	455	.....	1,029	47	6	12
Stoves and furnaces, including gas and oil stoves.....	215	81	42	92	.....	.....	.....	.....	.....
Sulphuric, nitric, and mixed acids.....	217	.....	.....	100	.....	33	82	2	.....
Tobacco manufactures.....	1,465	1,018	152	87	.....	182	25	1	.....
All other industries.....	14,341	1,617	2,069	5,276	1,048	1,974	542	148	1,667

It is evident from these figures that for the majority of wage earners employed in the manufacturing industries of California the usual hours of labor ranged from 54 to 60 a week; 28.1 per cent of the total were, however, employed in establishments where a week of less than 54 hours prevailed, and 8.8 per cent in establishments where the prevailing hours were more than 60 a week.

In a number of industries, conspicuous among which are the tanning, currying, and finishing of leather, the brick and tile industry, and the steam-railroad repair shops, the employment was mainly confined to a week of 54 hours. More than three-fourths of the wage earners

in the canning and preserving industry and more than three-fifths of those in the lumber and slaughtering and meat-packing industries, however, were employed in plants where 60 hours constituted a week's work, while over nine-tenths of the wage earners employed in the breweries and nearly three-fourths of those employed in the printing and publishing industry and in marble and stone work were in establishments where the prevailing hours were 48 or less per week.

**Location of establishments.**—The following table shows the extent to which the manufactures of California are centralized in cities of 10,000 inhabitants or over. (See Introduction.)

ITEM.	Year.	Aggregate.	CITIES HAVING A POPULATION OF 10,000 AND OVER.								DISTRICTS OUTSIDE OF CITIES HAVING A POPULATION OF 10,000 AND OVER.	
			Total.		10,000 to 25,000.		25,000 to 100,000.		100,000 and over.			
			Number or amount.	Per cent of total.	Number or amount.	Per cent of total.	Number or amount.	Per cent of total.	Number or amount.	Per cent of total.	Number or amount.	Per cent of total.
Population.....	1910	2,377,549	1,266,930	53.3	196,701	8.3	183,945	7.7	886,284	37.3	1,110,619	46.7
	1900	1,485,053	640,357	43.1	98,854	6.7	96,242	6.5	445,261	30.0	844,696	56.9
Number of establishments.....	1909	7,659	4,881	63.7	666	8.7	653	8.5	3,562	46.5	2,778	36.3
	1899	4,997	2,967	59.4	379	7.6	306	6.1	2,282	45.7	2,030	40.6
Average number of wage earners.	1909	115,296	69,599	60.4	8,525	7.4	8,598	7.5	52,476	45.5	45,697	39.6
	1899	77,224	47,953	62.1	4,063	5.3	6,162	8.0	37,728	48.9	29,271	37.9
Value of products.....	1909	\$529,760,528	\$294,851,479	55.7	\$40,393,144	7.6	\$30,488,066	5.8	\$223,970,269	42.3	\$234,909,049	44.3
	1899	257,385,521	151,245,681	58.8	14,225,527	5.5	14,862,891	5.8	122,157,263	47.5	106,139,840	41.2
Value added by manufacture.....	1909	204,522,454	125,929,111	61.6	14,791,657	7.2	14,144,347	6.9	96,993,107	47.4	78,593,343	38.4
	1899	92,491,252	60,571,549	65.5	5,223,451	5.6	6,514,012	7.4	48,534,086	52.5	31,919,703	34.5

In 1909, 55.7 per cent of the total value of manufactured products was reported from cities having over 10,000 inhabitants, and 60.4 per cent of the average number of wage earners in manufacturing industries were employed in such cities. The figures indicate that there has been a considerable decrease during the last 10 years in the relative industrial importance of this class of cities, largely on account of the rapid growth of the lumber and petroleum-refining industries, which are mainly carried on outside of cities of this size, and also in part because of the setback given to the manufacturing industries of San Francisco by the earthquake and fire of 1906.

As a result of the increase during the decade in the population of certain cities, the composition of the groups shown in the table differs considerably for the two censuses. For 1909 the group of cities having over 100,000 inhabitants comprises San Francisco, Los Angeles, and Oakland; in 1900, however, the population of Oakland was less than 100,000, so that for 1899 it is included in the group made up of cities having between 25,000 and 100,000 inhabitants. Berkeley, San Diego, and San Jose, which for 1909 are included in this latter group, had less than 25,000 inhabitants in 1900, and for 1899, therefore, their statistics are included with those for the cities having between 10,000 and 25,000 inhabitants. Pasadena, which for 1909 is included in the group of cities having between 25,000 and 100,000 inhabitants and

Long Beach, Riverside, San Bernardino, Bakersfield, Eureka, Santa Barbara, Vallejo, Santa Cruz, Redlands, and Pomona, which are included in the group comprising cities having between 10,000 and 25,000 inhabitants, all had less than 10,000 inhabitants in 1900, so that for 1899 their statistics are not included with those for incorporated places of this size. The total value of products in 1909 for the 11 cities last mentioned was \$16,623,644, representing 3.1 per cent of the total for the state. The cities having a population of over 10,000 in 1900 thus reported only 52.6 per cent of the total value of manufactured products in 1909, as compared with 58.8 per cent in 1899, showing that the growth of the manufacturing industries in these cities has not kept pace with that of the industries in the remainder of the state.

A somewhat larger proportion of the total number of wage earners in manufacturing industries, value of manufactured products, and value added by manufacture was reported in 1909 from cities having between 10,000 and 25,000 inhabitants than in 1899. The proportions of the total number of wage earners and value added by manufacture reported from cities having between 25,000 and 100,000 inhabitants, on the other hand, were slightly smaller, while the proportion of the total value of manufactured products reported from such cities was the same in both years. The cities having a population of over 100,000 show a considerable decrease in their proportion of the

totals for each of these three items, which was doubtless due in considerable measure to the disastrous effects of the earthquake and fire of 1906 in San Francisco. The addition of Oakland to these cities in 1909 and the rapid growth of the manufacturing industries of Los Angeles were, however, sufficient to counterbalance the actual losses sustained by San Francisco between 1904 and 1909, so that the absolute figures for this class of cities show marked increases in 1909 as compared with 1899. Of the total value of products shown for the state in 1909, 7.6 per cent was reported from the 13 cities having between 10,000 and 25,000 inhabitants; 5.8 per cent from the 5 cities having between 25,000 and 100,000 inhabitants; and 42.3 per cent from the 3 cities having over 100,000 inhabitants.

The population in 1910 and 1900 of the 21 cities which had 10,000 inhabitants or over in 1910 is given in the following tabular statement:

CITY.	1910	1900	CITY.	1910	1900
San Francisco.....	416,912	342,752	Long Beach.....	17,809	2,252
Los Angeles.....	319,148	102,479	Riverside.....	15,212	1,973
Oakland.....	150,174	66,960	San Bernardino.....	12,779	6,150
Sacramento.....	44,696	29,282	Bakersfield.....	12,727	4,836
Berkeley.....	40,434	13,214	Eureka.....	11,845	7,327
San Diego.....	39,578	17,700	Santa Barbara.....	11,659	6,587
Pasadena.....	30,291	9,117	Vallejo.....	11,340	7,965
San Jose.....	28,946	21,500	Santa Cruz.....	11,146	5,659
Fresno.....	24,892	12,470	Redlands.....	10,449	4,797
Alameda.....	23,352	16,464	Pomona.....	10,207	5,526
Stockton.....	23,253	17,506			

The relative industrial importance of each of the foregoing cities is shown in the following table, in which the value of products and the average number of wage earners are shown separately for 1909, 1904, and 1899, so far as comparative figures are available:

CITY.	AVERAGE NUMBER OF WAGE EARNERS.			VALUE OF PRODUCTS.		
	1909	1904	1899	1909	1904	1899
San Francisco.....	28,244	38,429	32,555	\$133,041,069	\$137,788,233	\$707,023,667
Los Angeles.....	17,327	10,424	5,173	68,586,274	34,814,475	15,133,666
Oakland.....	6,905	3,353	2,476	22,342,926	9,014,705	5,368,258
Sacramento.....	4,514	4,203	3,086	13,976,911	10,072,893	9,494,633
Stockton.....	1,594	1,332	1,185	11,849,252	8,029,400	5,525,394
Fresno.....	1,938	1,915	819	11,090,195	9,753,632	2,752,201
San Jose.....	1,430	1,260	1,221	5,610,427	4,298,216	3,291,641
San Diego.....	1,071	541	255	4,749,990	1,974,430	609,682
Berkeley.....	1,084	338	211	4,058,574	1,750,888	651,256
Eureka.....	946	(2)	(2)	3,011,682	(2)	(2)
Bakersfield.....	746	(2)	(2)	2,818,744	(2)	(2)
Alameda.....	915	279	372	2,554,417	696,761	1,325,326
Vallejo.....	202	(2)	(2)	1,895,562	(2)	(2)
Pasadena.....	499	318	177	1,724,364	966,805	330,578
San Bernardino.....	729	(2)	(2)	1,659,705	(2)	(2)
Riverside.....	267	(2)	(2)	1,177,962	(2)	(2)
Santa Barbara.....	265	(2)	(2)	1,169,105	(2)	(2)
Santa Cruz.....	274	(2)	(2)	1,161,269	(2)	(2)
Long Beach.....	277	(2)	(2)	927,180	(2)	(2)
Pomona.....	224	(2)	(2)	559,661	(2)	(2)
Redlands.....	147	(2)	(2)	515,320	(2)	(2)

<sup>1</sup> Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city.

<sup>2</sup> Figures not available.

With the single exception of San Francisco, every city for which comparative statistics are presented shows an increase in value of products from 1904 to 1909, while all except Alameda show an increase from 1899 to 1904. The greatest relative gain from 1904 to 1909, 266.6 per cent, was made by Alameda, and was due in part to the establishment there of foundries and

machine shops as a new industry, to the increased output of the planing mills, and to greater activity in the shipbuilding industry. The next largest relative increase, 200.9 per cent, is that reported for Berkeley, which was the result mainly of the increased output of its foundries and machine shops, bakeries, and planing mills, the increased production of coconut oil and the establishment of new industries, such as the manufacture of fertilizers, the refining of petroleum, and the canning and preserving industry. The remarkable increases shown for Alameda and Berkeley and also for Oakland are doubtless due largely to the influx of population and business from San Francisco following the earthquake in 1906. The greatest gains shown for the decade 1899-1909 are those of 607.9 per cent for San Diego and 581 per cent for Berkeley. San Francisco shows a decrease of 3.4 per cent in 1909 as compared with 1904, indicating that the city had not yet recovered from the effects of the earthquake and fire of April, 1906; owing, however, to the gain from 1899 to 1904, the figures for 1909 represent an increase of 24.3 per cent as compared with 1899.

In 1909 San Francisco reported 25.1 per cent of the total value of products and 24.5 per cent of the average number of wage earners for all manufacturing industries in the state. The corresponding proportions for 1899 were 41.6 per cent and 42.2 per cent, respectively. Measured by value of products, San Francisco held sixteenth place among the manufacturing cities of the United States in 1909, thirteenth in 1904, and twelfth in 1899. The effect of the earthquake and fire of 1906 upon the manufacturing industries of the city is indicated to some extent by the next table, which shows for the 15 leading industries presented separately in Table I the value of products in 1909 and 1904, with the percentage which it formed of the total for the industry in the state, the percentage of increase or decrease in 1909 as compared with 1904, and the rank of the industry in the city in value of products in each year.

Six of the 15 industries included in the table show decreases in value of products in 1909 as compared with 1904, the largest decrease, 23.4 per cent, or nearly one-fourth, being in the men's clothing industry, although an even larger decrease, 65.5 per cent, was reported for the paint and varnish industry, which is not shown in the table. The roasting and grinding of coffee and spice, the tanning, currying, and finishing of leather, the furniture and refrigerator industry, and the manufacture of food preparations are the only industries showing any considerable increase. In the case of all of the industries shown in the table, with the exception of the tanning, currying, and finishing of leather and the furniture and refrigerator industry, the value of products reported from San Francisco represented a smaller proportion of the state total in 1909 than in 1904, the difference in



some cases being considerable. Of the total value of products for the men's clothing industry, for example, only 71.9 per cent was reported from this city in 1909, as compared with 91.7 per cent in 1904. Changes have also occurred in the ranking of the different industries shown in the table, on the basis of value of products, although the printing and publishing industry was first in both years. The foundry and machine-shop and the slaughtering and meat-packing industries, which ranked second and third, respectively, in 1904, had changed places in 1909, mainly as the result of the decrease shown for the former industry. The men's clothing industry, which ranked fifth in 1904, had dropped to eighth place in 1909, while the manufacture of copper, tin, and sheet-iron products dropped from seventh place in 1904 to ninth in 1909, and the brewery industry from eighth in 1904 to eleventh in 1909. On the other hand, the rank of the roasting and grinding of coffee and spice, the lumber industry, the tanning, currying, and finishing of leather, and the manufacture of furniture and refrigerators was higher in 1909 than in 1904.

INDUSTRY.	VALUE OF PRODUCTS.				RANK. <sup>1</sup>	
	1909		1904		1909	1904
	Amount.	Per cent of total for state.	Amount.	Per cent of total for state.		
Printing and publishing.....	\$12,201,000	48.7	\$10,847,000	56.7	12.5	1
Slaughtering and meat packing.....	10,270,000	30.0	9,209,000	41.8	11.5	2
Foundry and machine-shop products.....	9,622,000	36.0	10,525,000	59.8	-8.6	3
Bread and other bakery products.....	5,268,000	29.7	4,882,000	46.0	7.9	4
Coffee and spice, roasting and grinding.....	4,973,000	76.6	3,980,000	85.0	24.9	5
Canning and preserving.....	4,776,000	14.5	4,630,000	17.8	3.0	6
Lumber and timber products.....	4,378,000	9.7	3,980,000	11.5	10.0	7
Clothing, men's, sheeting shirts.....	3,682,000	71.9	4,804,000	91.7	-23.4	8
Copper, tin, and sheet-iron products.....	3,645,000	53.6	4,529,000	76.3	-19.5	9
Leather, tanned, curried, and finished.....	3,622,000	38.7	2,718,000	33.7	33.3	10
Liquors, malt.....	3,482,000	37.4	4,106,000	54.7	-15.2	11
Furniture and refrigerators.....	3,057,000	68.0	1,836,000	64.8	66.5	12
Flour-mill and gristmill products.....	2,781,000	11.0	3,423,000	16.9	-18.8	13
Food preparations.....	2,436,000	44.2	999,000	62.9	143.8	14
Tobacco manufactures.....	1,833,000	54.6	2,028,000	63.5	-9.6	15

<sup>1</sup> Excluding from consideration industries not shown separately in Table I.

<sup>2</sup> A minus sign (-) denotes decrease.

In addition to the industries included in the preceding table, sugar refining was one of the more important industries in San Francisco during 1909, but the statistics for this industry can not be shown separately without disclosing the operations of individual establishments. There were eight other industries in the city reporting products valued at more than \$1,000,000 in 1909 for which separate statistics can not be presented for the same reason.<sup>1</sup>

<sup>1</sup> These industries are:

Babbitt metal and solder.	Chocolate and cocoa products.
Bags, other than paper.	Gas, illuminating and heating.
Baking powders and yeast.	Shipbuilding, including boat building.
Cars and general shop construction and repairs by steam-railroad companies.	Wirework, including wire rope and cable.

There was a remarkable growth in the building operations of the city from 1904 to 1909, which is reflected in the increases in value of products reported for such industries as the manufacture of artificial stone (268.3 per cent), the structural-ironwork branch of the foundry and machine-shop industry (129.8 per cent), and the planing-mill branch of the lumber industry (18.7 per cent).

The value of products of the manufacturing industries of Los Angeles increased \$33,771,799, or 97 per cent, from 1904 to 1909, the absolute increase being greater than that reported for any other city in the state. The increase for the decade as a whole was 353.2 per cent. Of the total value of manufactures for the state in 1909, 12.9 per cent was reported from this city. The average number of wage earners in the manufacturing industries of the city shows an increase of 66.2 per cent from 1904 to 1909 and 235 per cent for the decade. The leading industries of the city are shown in the following table, which gives the value of products reported for each industry in 1909, together with the percentage which it formed of the total for the industry in the state and the percentage of increase as compared with 1904:

INDUSTRY.	VALUE OF PRODUCTS.		
	Amount.	Per cent of state total.	Per cent of increase over 1904.
Foundry and machine-shop products.....	\$7,777,000	29.1	118.6
Slaughtering and meat packing.....	7,464,000	21.8	84.8
Lumber and timber products.....	5,684,000	12.6	110.5
Flour-mill and gristmill products.....	5,347,000	21.2	91.0
Printing and publishing.....	5,192,000	20.7	48.0
Bread and other bakery products.....	4,670,000	26.4	167.8
Cars and general shop construction and repairs by steam-railroad companies.....	3,362,000	18.0	116.9
Liquors, malt.....	1,457,000	15.6	82.6
Butter, cheese, and condensed milk.....	1,417,000	11.1	109.3
Petroleum refining.....	1,406,000	7.9	205.0
Canning and preserving.....	1,255,000	9.8	52.9
Coffee and spice, roasting and grinding.....	1,150,000	17.7	131.4
Copper, tin, and sheet-iron products.....	1,124,000	16.5	118.2

The rapid growth of the manufacturing industries of the city is brought out clearly by the fact that in 8 out of the 13 industries included in the table the value of products more than doubled during the five-year period.

Oakland ranks third among the cities of the state in value of manufactured products, showing an increase in that respect of \$13,328,221, or 147.8 per cent, from 1904 to 1909 and \$16,974,668, or 316.2 per cent, from 1899 to 1909. The leading industries of the city were bakeries, canning and preserving, the manufacture of cordage and twine, foundries and machine shops, the gas industry, the lumber industry, printing and publishing, steam-railroad repair shops, and steel works and rolling mills. The increase in the industrial importance of the city during the five-year period 1904-1909 was due largely to the growth of the brewery, lumber, foundry and machine-shop, bakery, printing and publishing, and canning and preserving industries, these six

industries contributing 37.4 per cent of the total increase in value of products for all manufacturing industries of the city during that period. The increase in the canning and preserving industry was particularly marked, the value of products for this industry in 1909 being more than 15 times as great as in 1904.

In Sacramento, the capital of the state, steam-railroad repair shops constituted the most important industry, with steel works and rolling mills next in rank. The brewing of malt liquors, the flour-mill and gristmill industry, canning and preserving, and printing and publishing were other important industries. In Stockton the flour-mill and gristmill industry led all others, the value of its products representing nearly one-half of the total value of manufactures reported for the city. The manufacture of agricultural implements was also an important industry, 66.5 per cent of the total value of products for this industry in California being reported from Stockton.

In Fresno the canning and preserving industry, which is there confined largely to the drying of fruits, especially of raisins, was the leading industry in 1909, contributing 69.6 per cent of the total value of all manufactured products of the city. The city is one of the principal centers of the canning and preserving industry of the state, reporting nearly one-fourth of the total value of products for this industry in California and a much larger proportion of the total value of dried fruits. Canning and preserving was also the leading industry in San Jose, the output of the industry representing 31.4 per cent of the total value of all manufactured products for that city. Other important industries were printing and publishing, foundries and machine shops, and bakeries. The most important industries in San Diego were the lumber industry, flour mills and gristmills, slaughtering and meat packing, printing and publishing, and bakeries.

The foundry and machine-shop industry outranked all others in Berkeley in 1909, the value of its products in that year being nearly 121 times that in 1904. Other leading industries, named in order of their relative importance, were the manufacture of coconut oil included under "Oil, not elsewhere specified," the fertilizer industry, and bakeries. The chief industry in Alameda was shipbuilding, this city reporting nearly one-fourth of the total value of products for this industry in the state. The lumber and the foundry and machine-shop industries, and the manufacture of pottery, terra-cotta, and fire-clay products were other important industries. In Eureka the

lumber industry was the leading branch of manufacture in 1909, contributing nearly one-half of the total value of manufactured products reported for the city. This city also reported a considerable output of factory-made butter.

In the remaining cities shown in the table the chief industries were as follows: In Bakersfield and San Bernardino, steam-railroad repair shops; in Vallejo and Long Beach, flour mills and gristmills; in Pasadena, the planing-mill branch of the lumber industry; in Riverside and Santa Barbara, slaughtering and meat packing; in Santa Cruz, the tanning, currying, and finishing of leather; and in Pomona and Redlands, canning and preserving.

**Character of ownership.**—The table on page 687 has for its purpose the presentation of conditions in respect to the character of ownership, or legal organization, of manufacturing enterprises. For all industries combined comparative figures are given covering the censuses of 1909 and 1904. Comparative data for 1899 are not available. Figures for 1909 only are presented for several important industries individually. In order to avoid disclosing the operations of individual concerns it is necessary to omit the statistics for several important industries from this table and the one following.

The most important distinction shown is that between corporate and all other forms of ownership. In all industries combined, 32.1 per cent of the total number of establishments were in 1909 under corporate ownership, as against 67.9 per cent under all other forms. The corresponding figures for 1904 were 28 per cent and 72 per cent, respectively. The establishments operated by corporations, however, reported 82.9 per cent of the total value of products in 1909, as against 17.1 per cent for those under all other forms of ownership, while in 1904 the corresponding figures were 76.5 per cent and 23.5 per cent, respectively. The greatest decrease in relative importance from 1904 to 1909 is shown for the establishments operated by individuals, which represented 45.9 per cent of the total number of establishments in 1909, as compared with 49.3 per cent in 1904, although the actual number increased from 3,375 to 3,516 during the same five-year period.

Establishments under corporate ownership reported more than one-half of the total value of products for each industry shown separately in the table, with the exception of the bakery industry, although in all but three of the industries such establishments constituted less than one-half of the total number.

INDUSTRY AND CHARACTER OF OWNERSHIP.	Number of establishments.	Average number of wage earners.	Value of products.	Value added by manufacture.	INDUSTRY AND CHARACTER OF OWNERSHIP.	Number of establishments.	Average number of wage earners.	Value of products.	Value added by manufacture.
<b>ALL INDUSTRIES:</b>					<b>Flour-mill and gristmill products, 1909.</b>				
1909.....	7,653	115,296	\$529,760,528	\$204,522,454	Individual.....	125	948	\$25,188,133	\$3,296,182
1904.....	6,839	100,355	367,218,484	151,492,080	Firm.....	33	109	2,471,416	275,969
Individual.....					Firm.....	21	31	951,941	118,929
1909.....	3,516	12,764	49,969,595	23,760,907	Corporation <sup>1</sup> .....	71	788	21,765,656	2,905,284
1904.....	3,375	15,257	47,300,887	24,693,085	Per cent of total.....	100.0	100.0	100.0	100.0
Firm.....					Individual.....	20.4	11.5	9.8	8.4
1909.....	1,597	9,342	36,539,495	15,624,296	Firm.....	16.8	5.4	3.8	3.5
1904.....	1,472	10,527	37,343,541	16,371,024	Corporation <sup>1</sup> .....	56.8	83.1	85.4	88.1
Corporation.....					<b>Food preparations, 1909.</b>				
1909.....	2,459	92,757	439,064,967	164,048,735	Individual.....	129	716	\$5,508,937	\$1,537,799
1904.....	1,917	74,284	280,742,589	109,966,122	Firm.....	44	165	246,077	24,077
Other.....					Firm.....	42	147	991,646	289,221
1909.....	87	433	4,186,471	1,088,516	Corporation.....	36	392	3,361,175	983,829
1904.....	75	287	1,831,477	461,849	Other.....	7	12	538,785	18,672
Per cent of total.....					Per cent of total.....	100.0	100.0	100.0	100.0
1909.....	100.0	100.0	100.0	100.0	Individual.....	34.1	23.0	10.8	16.0
1904.....	100.0	100.0	100.0	100.0	Firm.....	32.6	20.5	18.0	18.8
Individual.....					Corporation.....	27.9	54.7	61.0	61.0
1909.....	45.9	11.1	9.4	11.6	Other.....	5.4	1.7	10.1	1.2
1904.....	49.3	15.2	12.9	16.3	<b>Foundry and machine-shop products, 1909.</b>				
Firm.....					Individual.....	543	8,377	\$26,730,891	\$13,830,000
1909.....	20.9	8.1	6.9	7.6	Firm.....	207	965	2,794,226	1,647,244
1904.....	21.5	10.5	10.2	10.8	Firm.....	118	694	2,017,447	1,201,107
Corporation.....					Corporation.....	218	6,688	21,919,218	10,981,649
1909.....	32.1	80.5	82.9	80.2	Per cent of total.....	100.0	100.0	100.0	100.0
1904.....	28.0	74.0	76.5	72.6	Individual.....	38.1	11.9	10.5	11.9
Other.....					Firm.....	21.7	7.5	8.7	8.7
1909.....	1.1	0.4	0.5	0.5	Corporation.....	40.1	79.8	82.0	79.4
1904.....	1.1	0.3	0.5	0.3	<b>Liquors, malt, 1909.</b>				
<b>Bread and other bakery products, 1909.</b>					Individual.....	83	1,236	\$9,319,041	\$8,759,560
Individual.....	864	4,018	\$17,709,633	\$7,332,268	Firm.....	34	92	471,743	330,680
Firm.....	634	1,135	7,526,228	3,164,475	Firm.....	5	11	85,318	51,606
1909.....	189	952	4,103,140	1,746,588	Corporation.....	44	1,193	8,761,739	6,377,274
1904.....	51	1,433	6,079,065	2,421,405	Per cent of total.....	100.0	100.0	100.0	100.0
Per cent of total.....	100.0	100.0	100.0	100.0	Individual.....	41.0	7.1	5.1	4.9
Individual.....					Firm.....	6.0	0.8	0.9	0.8
1909.....	72.2	40.6	42.5	43.2	Corporation.....	53.0	92.1	94.0	94.3
1904.....	21.9	23.7	23.2	23.8	<b>Liquors, vinous, 1909.</b>				
Corporation <sup>1</sup> .....	5.9	35.7	34.3	33.0	Individual.....	181	1,287	\$8,938,848	\$4,262,907
<b>Butter, cheese, and condensed milk, 1909.</b>					Firm.....	85	232	1,245,037	566,841
Individual.....	161	557	\$12,760,670	\$1,620,870	Firm.....	26	95	561,333	272,714
Firm.....	52	155	2,263,798	351,602	Corporation <sup>1</sup> .....	70	960	7,130,478	3,423,352
1909.....	28	51	894,872	153,544	Per cent of total.....	100.0	100.0	100.0	100.0
1904.....	55	313	7,356,944	832,541	Individual.....	47.0	13.9	13.0	13.3
Other.....	26	78	2,145,056	263,483	Firm.....	14.4	7.4	6.3	6.4
Per cent of total.....	100.0	100.0	100.0	100.0	Corporation <sup>1</sup> .....	38.7	74.6	79.8	80.3
Individual.....					<b>Lumber and timber products, 1909.</b>				
1909.....	32.3	26.0	17.7	21.7	Individual.....	644	22,935	\$4,050,276	\$28,631,376
1904.....	17.4	8.5	7.8	9.5	Firm.....	199	1,112	3,453,706	1,842,575
Corporation.....	34.2	52.4	57.7	52.6	Firm.....	149	1,118	3,029,574	1,748,532
Other.....	16.1	13.1	16.8	16.3	Corporation <sup>1</sup> .....	296	20,405	38,517,196	23,040,269
<b>Canning and preserving, 1909.</b>					Per cent of total.....	100.0	100.0	100.0	100.0
Individual.....	198	7,757	\$32,514,829	\$8,905,607	Individual.....	30.9	6.2	7.7	6.9
Firm.....	43	578	1,660,294	611,530	Firm.....	23.1	4.9	6.7	6.6
1909.....	34	353	1,613,248	428,489	Corporation <sup>1</sup> .....	46.0	89.0	85.6	86.5
1904.....	119	6,796	29,641,317	7,875,588	<b>Printing and publishing, 1909.</b>				
Per cent of total.....	100.0	100.0	100.0	100.0	Individual.....	1,240	7,556	\$25,031,877	\$18,704,574
Individual.....					Firm.....	709	1,885	6,762,762	5,142,337
1909.....	21.9	7.5	5.0	6.8	Firm.....	194	719	1,812,749	1,398,227
1904.....	17.3	4.9	4.9	4.8	Other.....	296	4,874	15,871,045	11,718,776
Corporation <sup>1</sup> .....	60.7	87.6	90.1	88.4	Other.....	41	78	585,321	445,734
<b>Clothing, men's, including shirts, 1909.</b>					Per cent of total.....	100.0	100.0	100.0	100.0
Individual.....	74	2,385	\$5,120,509	\$2,225,613	Individual.....	57.2	24.9	27.0	27.5
Firm.....	29	164	380,068	193,383	Firm.....	15.6	9.5	7.2	7.5
1909.....	24	559	1,187,147	500,814	Corporation.....	23.9	64.5	63.4	62.5
1904.....	21	1,662	3,553,294	1,531,416	Other.....	3.3	1.0	2.3	2.4
Per cent of total.....	100.0	100.0	100.0	100.0	<b>Slaughtering and meat packing, 1909.</b>				
Individual.....					Individual.....	94	1,641	\$34,280,003	\$5,831,946
1909.....	39.2	6.9	7.4	8.7	Firm.....	33	155	4,276,592	611,509
1904.....	32.4	23.4	23.2	22.5	Firm.....	34	171	4,444,852	546,152
Corporation.....	28.4	69.7	69.4	68.8	Corporation.....	27	1,315	25,558,559	4,674,285
<b>Copper, tin, and sheet-iron products, 1909.</b>					Per cent of total.....	100.0	100.0	100.0	100.0
Individual.....	233	1,938	\$6,803,761	\$3,238,905	Individual.....	35.1	9.4	12.5	10.5
Firm.....	106	406	1,425,547	768,283	Firm.....	36.2	10.4	13.0	9.4
1909.....	74	266	958,869	530,745	Corporation.....	28.7	80.1	74.6	80.1
1904.....	53	1,206	4,419,345	1,939,877					
Per cent of total.....	100.0	100.0	100.0	100.0					
Individual.....									
1909.....	45.5	20.9	21.0	23.7					
1904.....	31.8	13.7	14.1	16.4					
Corporation.....	22.7	65.3	65.0	59.9					

<sup>1</sup> Includes the group "Other," to avoid disclosure of individual operations.

**Size of establishment.**—The tendency for manufacturing to become concentrated in large establishments, or the reverse, is a matter of interest from the standpoint of industrial organization. In order to throw some light upon it, the table on the following page groups the establishments according to the value of their products. The table also shows the average

size of establishments for all industries combined and for certain important industries separately as measured by number of wage earners, value of products, and value added by manufacture. The totals for all industries are shown for the last two censuses, while for the individual industries figures are given for 1909 only.

INDUSTRY AND VALUE OF PRODUCTS.	Number of establishments.	Average number of wage earners.	Value of products.	Value added by manufacture.	INDUSTRY AND VALUE OF PRODUCTS.	Number of establishments.	Average number of wage earners.	Value of products.	Value added by manufacture.
<b>ALL INDUSTRIES:</b>					<b>Copper, tin, and sheet-iron products, 1909.</b>				
1909.....	7,659	115,296	\$529,760,628	\$204,522,454	Less than \$5,000.....	233	1,938	\$6,803,761	\$3,238,905
1904.....	6,839	100,355	367,218,494	151,492,080	\$5,000 and less than \$20,000.....	64	57	182,744	120,083
Less than \$5,000.....	2,169	2,067	5,610,748	3,795,464	\$20,000 and less than \$100,000.....	107	338	1,050,415	607,141
1909.....	2,085	2,262	5,306,470	3,634,462	\$100,000 and less than \$1,000,000.....	50	619	2,174,242	1,114,065
\$5,000 and less than \$20,000.....	2,785	10,279	29,208,047	17,546,524		12	924	3,896,360	1,397,616
1909.....	2,507	10,574	26,190,138	15,902,855	Per cent of total.....	100.0	100.0	100.0	100.0
\$20,000 and less than \$100,000.....	1,867	24,913	82,114,420	40,743,591	Less than \$5,000.....	27.5	2.9	2.7	3.7
1909.....	1,615	25,111	72,176,276	37,594,307	\$5,000 and less than \$20,000.....	45.9	17.3	15.4	18.7
\$100,000 and less than \$1,000,000.....	767	53,128	210,723,384	86,922,761	\$20,000 and less than \$100,000.....	21.5	31.9	32.0	34.4
1909.....	598	47,912	158,273,161	69,102,483	\$100,000 and less than \$1,000,000.....	5.2	47.7	49.9	43.2
\$1,000,000 and over.....	71	24,909	202,103,929	55,514,114	Average per establishment.....	8	\$29,201		\$13,901
1909.....	31	24,909	105,272,429	25,197,973					
Per cent of total:					<b>Flour-mill and gristmill products, 1909.</b>				
1909.....	100.0	100.0	100.0	100.0	Less than \$5,000.....	125	948	\$25,188,133	\$3,256,182
1904.....	100.0	100.0	100.0	100.0	\$5,000 and less than \$20,000.....	5	7	18,473	4,793
Less than \$5,000.....	28.3	1.8	1.1	1.9	\$20,000 and less than \$100,000.....	24	37	226,183	56,086
1909.....	30.5	2.2	1.4	2.4	\$100,000 and less than \$1,000,000.....	46	107	1,080,546	283,421
\$5,000 and less than \$20,000.....	36.4	8.9	5.5	8.6	\$1,000,000 and over.....	45	531	13,925,443	1,755,824
1909.....	36.7	10.5	7.1	10.5	Average per establishment.....	5	266	8,965,978	1,186,058
\$20,000 and less than \$100,000.....	24.4	21.6	15.5	19.9	Per cent of total.....	100.0	100.0	100.0	100.0
1909.....	23.6	25.0	19.7	24.8	Less than \$5,000.....	100.0	100.0	100.0	100.0
\$100,000 and less than \$1,000,000.....	10.0	46.1	39.8	42.5	\$5,000 and less than \$20,000.....	4.0	0.7	0.1	0.1
1909.....	8.7	47.7	43.1	47.1	\$20,000 and less than \$100,000.....	19.2	3.9	1.2	1.7
\$1,000,000 and over.....	0.9	21.6	38.2	25.7	\$100,000 and less than \$1,000,000.....	36.8	11.3	7.9	8.9
1909.....	0.5	14.5	28.7	16.6	\$1,000,000 and over.....	36.0	56.0	55.3	53.3
Average per establishment:					Average per establishment.....	4.0	28.1	35.6	36.0
1909.....	15	\$69,168	\$26,704			8	\$201,505		\$26,369
1904.....	15	53,695	22,151						
<b>Bread and other bakery products, 1909.</b>					<b>Food preparations, 1909.</b>				
Less than \$5,000.....	864	4,016	\$17,709,633	\$7,332,268	Less than \$5,000.....	129	716	\$5,596,087	\$1,637,799
\$5,000 and less than \$20,000.....	224	119	648,234	362,401	\$5,000 and less than \$20,000.....	31	26	73,430	39,433
\$20,000 and less than \$100,000.....	456	1,038	4,761,929	2,104,134	\$20,000 and less than \$100,000.....	46	142	471,690	235,943
\$100,000 and less than \$1,000,000.....	103	1,395	6,119,284	2,503,153	\$100,000 and less than \$1,000,000.....	39	280	1,741,154	543,499
Per cent of total.....	21	4,166	6,800,186	2,422,600	\$1,000,000 and over.....	13	208	3,222,417	716,924
Less than \$5,000.....	100.0	100.0	100.0	100.0	Per cent of total.....	100.0	100.0	100.0	100.0
\$5,000 and less than \$20,000.....	25.9	3.0	3.7	4.1	Less than \$5,000.....	24.9	3.6	1.3	2.6
\$20,000 and less than \$100,000.....	25.8	25.8	26.9	28.7	\$5,000 and less than \$20,000.....	35.7	19.8	8.6	15.3
\$100,000 and less than \$1,000,000.....	18.9	34.7	34.6	34.1	\$20,000 and less than \$100,000.....	30.2	39.1	31.6	35.3
Average per establishment.....	2.4	30.5	34.9	33.0	\$100,000 and less than \$1,000,000.....	10.1	37.4	58.5	46.8
			\$20,497	\$8,486	Average per establishment.....	6	\$42,688		\$11,921
<b>Butter, cheese, and condensed milk, 1909.</b>					<b>Foundry and machine-shop products, 1909.</b>				
Less than \$5,000.....	161	597	\$12,760,870	\$1,620,970	Less than \$5,000.....	543	8,377	\$26,730,993	\$13,530,000
\$5,000 and less than \$20,000.....	17	8	59,458	13,063	\$5,000 and less than \$20,000.....	113	127	603,582	201,046
\$20,000 and less than \$100,000.....	35	39	425,101	79,942	\$20,000 and less than \$100,000.....	220	998	2,392,406	1,561,666
\$100,000 and less than \$1,000,000.....	75	185	3,475,950	481,903	\$100,000 and less than \$1,000,000.....	154	2,302	6,859,949	3,903,122
Per cent of total.....	34	365	8,800,181	1,045,462	\$1,000,000 and over.....	53	3,627	13,245,304	6,960,991
Less than \$5,000.....	100.0	100.0	100.0	100.0	Average per establishment.....	3	1,323	3,926,649	2,043,175
\$5,000 and less than \$20,000.....	10.6	1.3	0.5	0.8	Per cent of total.....	100.0	100.0	100.0	100.0
\$20,000 and less than \$100,000.....	21.7	6.5	3.3	4.9	Less than \$5,000.....	20.8	1.5	1.1	1.5
\$100,000 and less than \$1,000,000.....	46.6	31.0	27.2	29.7	\$5,000 and less than \$20,000.....	40.5	11.9	8.9	11.3
Average per establishment.....	21.1	61.1	64.5	64.5	\$20,000 and less than \$100,000.....	28.4	27.5	23.7	28.2
			\$79,259	\$10,068	\$100,000 and less than \$1,000,000.....	9.8	43.3	49.6	44.3
<b>Canning and preserving, 1909.</b>					\$1,000,000 and over.....	0.6	15.8	14.7	14.8
Less than \$5,000.....	196	7,757	\$32,914,823	\$8,905,407	Average per establishment.....	15	\$49,228		\$25,470
\$5,000 and less than \$20,000.....	18	31	49,825	23,657	<b>Liquors, malt, 1909.</b>				
\$20,000 and less than \$100,000.....	34	189	358,142	169,354	Less than \$5,000.....	83	1,298	\$9,319,041	\$6,759,560
\$100,000 and less than \$1,000,000.....	58	1,188	3,207,177	1,183,515	\$5,000 and less than \$20,000.....	20	16	47,023	31,471
Per cent of total.....	4	822	6,685,051	1,391,049	\$20,000 and less than \$100,000.....	18	50	202,985	144,080
Less than \$5,000.....	100.0	100.0	100.0	100.0	\$100,000 and less than \$1,000,000.....	19	183	1,094,025	761,844
\$5,000 and less than \$20,000.....	9.2	0.4	0.2	0.3	Average per establishment.....	26	1,047	7,975,005	5,822,665
\$20,000 and less than \$100,000.....	17.3	2.4	1.1	1.9	Per cent of total.....	100.0	100.0	100.0	100.0
\$100,000 and less than \$1,000,000.....	29.6	15.3	9.7	13.3	Less than \$5,000.....	24.1	1.2	0.5	0.5
\$1,000,000 and over.....	41.8	71.3	68.7	68.9	\$5,000 and less than \$20,000.....	21.7	3.9	2.2	2.1
Average per establishment.....	2.0	10.3	15.6	15.6	\$20,000 and less than \$100,000.....	22.9	14.1	11.7	11.3
			\$167,933	\$45,437	\$100,000 and less than \$1,000,000.....	31.3	80.8	85.6	86.1
<b>Clothing, men's, including shirts, 1909.</b>					Average per establishment.....	16	\$112,278		\$81,440
Less than \$5,000.....	74	2,385	\$5,120,509	\$2,225,613	<b>Liquors, vinous, 1909.</b>				
\$5,000 and less than \$20,000.....	12	20	28,564	21,135	Less than \$5,000.....	181	1,287	\$9,838,848	\$4,262,907
\$20,000 and less than \$100,000.....	26	191	270,318	163,543	\$5,000 and less than \$20,000.....	19	14	47,818	25,417
\$100,000 and less than \$1,000,000.....	22	147	224,408	388,300	\$20,000 and less than \$100,000.....	75	216	820,277	409,524
Per cent of total.....	14	1,747	3,896,629	1,652,633	\$100,000 and less than \$1,000,000.....	69	390	2,965,549	1,204,476
Less than \$5,000.....	100.0	100.0	100.0	100.0	Average per establishment.....	18	667	5,163,404	2,623,490
\$5,000 and less than \$20,000.....	16.2	0.3	0.6	0.9	Per cent of total.....	100.0	100.0	100.0	100.0
\$20,000 and less than \$100,000.....	35.1	8.0	5.3	7.3	Less than \$5,000.....	10.5	1.1	0.5	0.6
\$100,000 and less than \$1,000,000.....	29.7	17.9	18.1	17.4	\$5,000 and less than \$20,000.....	48.1	16.8	9.2	9.6
Average per establishment.....	18.9	73.2	76.1	74.3	\$20,000 and less than \$100,000.....	38.1	40.3	9,894,778	5,350,712
			\$69,196	\$30,076	\$100,000 and less than \$1,000,000.....	9.0	51.8	58.0	28.3
					Average per establishment.....	7	\$49,375		\$23,552
<b>Lumber and timber products, 1909.</b>					<b>Lumber and timber products, 1909.</b>				
Less than \$5,000.....	644	22,935	\$45,000,276	\$26,631,376	Less than \$5,000.....	137	210	270,499	137,499
\$5,000 and less than \$20,000.....	190	954	2,691,127	1,310,856	\$5,000 and less than \$20,000.....	190	954	2,691,127	1,310,856
\$20,000 and less than \$100,000.....	215	4,093	9,894,778	5,350,712	\$20,000 and less than \$100,000.....	215	4,093	9,894,778	5,350,712
\$100,000 and less than \$1,000,000.....	48	1364	27,693,341	10,180,124	\$100,000 and less than \$1,000,000.....	48	1364	27,693,341	10,180,124
\$1,000,000 and over.....	4	9,991	4,958,112	3,510,185	\$1,000,000 and over.....	4	9,991	4,958,112	3,510,185
Per cent of total.....	100.0	100.0	100.0	100.0	Per cent of total.....	100.0	100.0	100.0	100.0
Less than \$5,000.....	21.3	0.9	0.8	0.9	Less than \$5,000.....	21.3	0.9	0.8	0.9
\$5,000 and less than \$20,000.....	29.5	4.2	4.6	4.9	\$5,000 and less than \$20,000.....	29.5	4.2	4.6	4.9
\$20,000 and less than \$100,000.....	33.4	17.9	22.0	20.1	\$20,000 and less than \$100,000.....	33.4	17.9	22.0	20.1
\$100,000 and less than \$1,000,000.....	15.2	59.7	61.5	60.8	\$100,000 and less than \$1,000,000.....	15.2	59.7	61.5	60.8
Average per establishment.....	6	17.4	11.0	13.2	Average per establishment.....	6	17.4	11.0	13.2
			\$20,876	\$41,353					

1 Includes the group " \$1,000,000 and over."

INDUSTRY AND VALUE OF PRODUCTS.	Number of establishments.	Average number of wage earners.	Value of products.	Value added by manufacture.	INDUSTRY AND VALUE OF PRODUCTS.	Number of establishments.	Average number of wage earners.	Value of products.	Value added by manufacture.
<b>Printing and publishing, 1909</b> .....	<b>1,240</b>	<b>7,556</b>	<b>\$25,031,877</b>	<b>\$18,704,574</b>	<b>Slaughtering and meat packing, 1909</b> .....	<b>94</b>	<b>1,641</b>	<b>\$34,280,003</b>	<b>\$5,831,946</b>
Less than \$5,000.....	384	510	1,491,045	1,202,496	Less than \$5,000.....	4	5	13,204	4,824
\$5,000 and less than \$20,000.....	451	1,532	4,420,462	3,526,771	\$5,000 and less than \$20,000.....	14	28	149,163	68,781
\$20,000 and less than \$100,000.....	164	2,465	6,672,722	5,026,255	\$20,000 and less than \$100,000.....	34	100	1,749,518	343,754
\$100,000 and less than \$1,000,000 <sup>1</sup> .....	41	3,049	12,447,647	8,949,052	\$100,000 and less than \$1,000,000.....	33	374	10,328,186	1,431,046
					\$1,000,000 and over.....	9	1,134	22,039,432	3,983,541
Per cent of total.....	100.0	100.0	100.0	100.0	Per cent of total.....	100.0	100.0	100.0	100.0
Less than \$5,000.....	37.1	6.7	5.6	6.4	Less than \$5,000.....	4.3	0.3	(?)	0.1
\$5,000 and less than \$20,000.....	36.4	20.3	17.7	18.9	\$5,000 and less than \$20,000.....	14.9	1.7	0.4	1.2
\$20,000 and less than \$100,000.....	13.2	32.6	26.7	26.9	\$20,000 and less than \$100,000.....	36.2	6.1	5.1	5.9
\$100,000 and less than \$1,000,000 <sup>1</sup> .....	3.3	40.4	49.7	47.8	\$100,000 and less than \$1,000,000.....	35.1	22.8	30.1	24.5
Average per establishment.....		6	\$20,187	\$15,084	\$1,000,000 and over.....	9.6	69.1	64.3	68.3
					Average per establishment.....		17	\$304,681	\$92,042

<sup>1</sup> Includes the group "\$1,000,000 and over."<sup>2</sup> Less than one-tenth of 1 per cent.

This table shows that of the 7,659 manufacturing establishments in the state in 1909 only 71, or nine-tenths of 1 per cent, had a value of products exceeding \$1,000,000. These establishments, however, employed an average of 24,909 wage earners, or 21.6 per cent of the total number in all establishments, and reported 38.2 per cent of the total value of products and 27.1 per cent of the total value added by manufacture.

On the other hand, the very small establishments—that is, those having products valued at less than \$5,000—constituted a considerable proportion (28.3 per cent) of the total number of establishments, but the value of their products amounted to only 1.1 per cent of the total. The bulk of the manufacturing was done in establishments having products valued at not less than \$100,000.

During the five years from 1904 to 1909 there was a considerable increase in the relative importance, as measured by value of products, of the largest establishments—those reporting products of not less than \$1,000,000 in value—and a decrease in that of the remaining classes.

The fact that between 1904 and 1909 the average value of products per establishment increased from \$53,695 to \$69,168, and the value added by manufacture from \$22,151 to \$26,704, can not be taken as in itself indicating a tendency toward concentration. The increased values shown may be, and probably are, due in part, at least, to the general rise that has taken place in the prices of commodities. The average number of wage earners per establishment was 15 both in 1909 and in 1904.

The table shows further that when the size of establishments is measured by the average value of products per establishment the bakery industry, the manufacture of copper, tin, and sheet-iron products, and printing and publishing are conducted chiefly in rather small establishments, while the canning and

preserving, flour-mill and gristmill, brewery, and slaughtering and meat-packing industries are conducted mainly in comparatively large establishments.

In some respects, and especially from the standpoint of conditions under which persons engaged in manufactures work, the best classification of establishments to bring out the feature of size is a classification according to the number of wage earners employed. The table on page 690 shows, for 1909, such a classification for all industries combined and for 20 important industries individually, and gives not only the number of establishments falling into each group but also the average number of wage earners employed.

Of the 7,659 establishments reported for all manufacturing industries, 11.5 per cent employed no wage earners; 53.8 per cent employed from 1 to 5; 22.3 per cent, from 6 to 20; and 6.9 per cent, from 21 to 50. The most numerous single group consists of the 4,123 establishments employing from 1 to 5 wage earners, and the next of the 1,708 establishments employing from 6 to 20. There were 74 establishments that employed over 250 wage earners; 4 of these establishments, of which 2 were lumber mills and 2 steam-railroad repair shops, employed over 1,000 each.

Of the total number of wage earners, 60.6 per cent were in establishments employing over 50 wage earners each. The single group having the largest number of wage earners was the group comprising the establishments employing from 251 to 500. This group employed an aggregate of 20,103 wage earners, or 17.4 per cent of the total. Of the individual industries listed in the table but not in the preceding one, the steam-railroad repair shops, the manufacture of cement, the gas industry, the tanning, currying, and finishing of leather, and the refining of petroleum are industries in which comparatively large establishments do most of the business, as appears from the classification according to the number of wage earners employed.

INDUSTRY.	ESTABLISHMENTS EMPLOYING—										
	Total.	No wage earners.	1 to 5 wage earners.	6 to 20 wage earners.	21 to 50 wage earners.	51 to 100 wage earners.	101 to 250 wage earners.	251 to 500 wage earners.	501 to 1,000 wage earners.	Over 1,000 wage earners.	
	NUMBER OF ESTABLISHMENTS.										
All Industries.....	7,659	882	4,123	1,708	528	212	134	56	14	4	
Bread and other bakery products.....	863	130	585	134	16	4	4	1			
Butter, cheese, and condensed milk.....	161	14	118	26	3						
Canning and preserving.....	196	4	37	58	51	29	13	4			
Cars and general shop construction and repairs by steam-railroad companies.....	42		2	10	5	4	9	7	3	2	
Cement.....	8		2				3		3		
Clothing, men's, including shirts.....	74	5	26	23	8	6	4	2			
Coffee and spice, roasting and grinding.....	44		27	13	3						
Copper, tin, and sheet-iron products.....	233	21	143	52	9	7		1			
Flour-mill and gristmill products.....	125	6	78	28	11	2					
Food preparations.....	129	11	86	25	7		9				
Foundry and machine-shop products.....	543	23	266	174	44	24	9	2	1		
Gas, illuminating and heating.....	74		38	27	3	3	1	2			
Leather, tanned, curried, and finished.....	40		10	11	10	6	3				
Liquors, distilled.....	33	5	21	5	1	1					
Liquors, malt.....	83	6	38	23	10	5	1				
Liquors, vinous.....	181	2	138	33	5	2	1				
Lumber and timber products.....	644	13	276	179	95	35	26	15	3	2	
Petroleum, refining.....	29		6	18	3			2			
Printing and publishing.....	1,240	343	648	180	42	16	10	1			
Slaughtering and meat packing.....	94	5	51	25	6	4	1	2			
All other industries.....	2,822	294	1,527	674	194	64	48	17	4		
AVERAGE NUMBER OF WAGE EARNERS.											
All Industries.....	115,296	9,844	18,672	16,854	15,374	19,873	20,103	9,092	5,484		
Bread and other bakery products.....	4,018	1,278	1,148	515	252		504	321			
Butter, cheese, and condensed milk.....	597	227	290	80							
Canning and preserving.....	7,757	96	701	1,798	2,069	1,918	1,175				
Cars and general shop construction and repairs by steam-railroad companies.....	9,342	7	123	218	201	1,396	2,444	2,028	2,925		
Cement.....	2,407	6				656		1,745			
Clothing, men's, including shirts.....	2,385	79	277	241	451	572	705				
Coffee and spice, roasting and grinding.....	352	72	141	80	59						
Copper, tin, and sheet-iron products.....	1,938	329	535	277	512		285				
Flour-mill and gristmill products.....	948	174	283	333	158						
Food preparations.....	716	202	256	258							
Foundry and machine-shop products.....	8,377	713	1,969	1,445	1,749	1,178	808	515			
Gas, illuminating and heating.....	1,666	106	299	87	252	171	751				
Leather, tanned, curried, and finished.....	1,398	27	163	328	424	456					
Liquors, distilled.....	193	41	54	27	71						
Liquors, malt.....	1,296	90	296	332	453	125					
Liquors, vinous.....	1,287	352	321	164	69	360					
Lumber and timber products.....	22,935	689	1,973	2,957	2,645	4,001	5,911	2,200	2,559		
Petroleum, refining.....	930	16	211	76			627				
Printing and publishing.....	7,556	1,505	1,961	1,347	1,113	1,369	261				
Slaughtering and meat packing.....	1,641	128	277	157	306	111	662				
All other industries.....	37,557	3,707	7,394	6,134	4,599	7,026	6,093	2,604			
PER CENT OF AVERAGE NUMBER OF WAGE EARNERS.											
All Industries.....	100.0	8.5	16.2	14.8	13.3	17.2	17.4	7.9	4.8		
Bread and other bakery products.....	100.0	31.8	28.6	12.8	6.3	12.5	8.0				
Butter, cheese, and condensed milk.....	100.0	38.0	48.6	13.4							
Canning and preserving.....	100.0	1.2	9.0	23.2	26.7	24.7	15.1				
Cars and general shop construction and repairs by steam-railroad companies.....	100.0	0.1	1.3	2.3	2.2	14.9	26.2	21.7	31.3		
Cement.....	100.0					27.3		72.5			
Clothing, men's, including shirts.....	100.0	3.3	11.6	10.1	18.9	24.0	32.1				
Coffee and spice, roasting and grinding.....	100.0	20.5	40.1	22.7	16.8						
Copper, tin, and sheet-iron products.....	100.0	17.0	27.6	14.3	26.4		14.7				
Flour-mill and gristmill products.....	100.0	18.4	29.9	35.1	16.7						
Food preparations.....	100.0	28.2	35.8	36.0							
Foundry and machine-shop products.....	100.0	8.5	23.5	17.2	20.9	14.1	9.6	6.1			
Gas, illuminating and heating.....	100.0	6.4	17.9	5.2	15.1	10.3	45.1				
Leather, tanned, curried, and finished.....	100.0	1.9	11.7	2.5	30.3	32.6					
Liquors, distilled.....	100.0	21.2	28.0	14.0	36.8						
Liquors, malt.....	100.0	6.9	22.8	25.6	35.0	9.6					
Liquors, vinous.....	100.0	27.4	24.9	12.7	4.7	30.3					
Lumber and timber products.....	100.0	3.0	8.6	13.6	11.5	17.4		9.6	11.2		
Petroleum, refining.....	100.0	1.7	22.7	8.2			67.4				
Printing and publishing.....	100.0	19.9	26.0	17.8	14.7	18.1	3.5				
Slaughtering and meat packing.....	100.0	7.8	16.9	9.6	18.6	6.8	40.3				
All other industries.....	100.0	9.9	19.7	16.3	12.2	18.7	16.2	6.9			

**Expenses.**—As stated in the Introduction, the census does not purport to furnish figures that can be used for determining the cost of manufacture and profits. Facts of interest can, however, be brought out concerning the relative importance of the different classes of expenses which make up the total. The next table shows, in percentages, for 1909, the distribution of expenses among the classes indicated for all industries combined and for certain important

industries separately. The figures on which the percentages are based appear in Table II, page 706.

The table shows that, for all industries combined, 68.3 per cent of the total expenses were incurred for materials, 22.5 per cent for services—that is, salaries and wages—and but 9.2 per cent for other purposes. As would be expected, these proportions vary greatly in the different industries. The flour-mill and grist-mill industry shows a higher percentage for materials

(92.2) and the distillery industry a lower percentage (16.7) than any other industry presented separately. The printing and publishing industry shows the highest percentage for services (48.8), while in the case of this item also the lowest percentage is that shown for the distillery industry (3.7). The high proportions which "miscellaneous expenses" represent of the total in the case of the distillery and brewery industries are due to the inclusion under this head of the internal-revenue tax. This tax, particularly in the case of the distillery industry, swells the item of "miscellaneous expenses" to such an extent as to cause abnormally small proportions to be shown for the other items of expense.

INDUSTRY.	PER CENT OF TOTAL EXPENSES REPORTED.			
	Salaries.	Wages.	Materials.	Miscellaneous expenses.
<b>All industries.</b>	4.8	17.7	68.3	9.2
Bread and other bakery products.	4.3	20.0	67.5	8.2
Butter, cheese, and condensed milk.	1.7	3.8	91.3	3.2
Canning and preserving.	3.5	11.1	77.4	7.9
Cars and general shop construction and repairs by steam-railroad companies.	2.0	44.8	51.0	2.1
Cement.	4.4	37.4	49.5	8.7
Clothing, men's, including shirts.	4.4	22.8	62.7	10.2
Coffee and spice, roasting and grinding.	8.8	4.1	76.5	10.6
Copper, tin, and sheet-iron products.	5.3	27.6	59.4	7.7
Food preparations.	2.2	3.1	92.2	2.5
Four-mill and gristmill products.	4.6	8.1	79.6	7.7
Foundry and machine-shop products.	7.5	29.9	62.7	10.0
Gas, illuminating and heating.	12.6	21.8	39.9	26.0
Leather, tanned, curried, and finished.	2.4	11.2	80.2	6.1
Liquors, distilled.	1.1	2.6	16.7	79.6
Liquors, malt.	7.2	18.3	33.6	40.9
Liquors, vinous.	5.8	9.2	63.3	21.7
Lumber and timber products.	8.5	38.6	45.2	10.7
Petroleum, refining.	2.3	5.1	87.9	4.7
Printing and publishing.	18.2	30.6	30.1	21.1
Slaughtering and meat packing.	1.7	4.1	90.2	3.9
All other industries.	4.3	14.9	74.0	6.8

**Engines and power.**—The next table shows, for all industries combined, the number of engines or other motors, according to their character, employed in generating power (including electric motors operated by purchased current) and their total horsepower at the censuses of 1909, 1904, and 1899. It also shows separately the number and horsepower of electric motors, including those operated by current generated in the manufacturing establishments.

The table indicates that from 1904 to 1909 there was an increase of 118,741 horsepower, or 56.4 per cent, in the total power used in manufactures, while from 1899 to 1904 the increase was 83,406 horsepower, or 65.7 per cent. Of the total increase from 1904 to 1909, 40,348 horsepower was in that generated by steam engines and 77,174 horsepower in rented electric power. The more general use of gas engines is shown, there being 765 such engines, with an indicated capacity of 10,115 horsepower, reported in 1909, as against 689 engines, with 6,292 horsepower, in 1904, and 545 engines, with 3,244 horsepower, in 1899. Water wheels showed a decrease in number but an increase in total horsepower. The figures also show that the practice of renting electric power is increasing rapidly, 35.4 per cent of the total power being rented electric power in 1909, as against 18.7 per cent in 1904

and but 7.6 per cent in 1899. The proportion for 1909 is larger than for any other state in the Union.

POWER.	NUMBER OF ENGINES OR MOTORS.			HORSEPOWER.			PER CENT DISTRIBUTION OF HORSEPOWER.		
	1909	1904	1899 <sup>1</sup>	1909	1904	1899 <sup>1</sup>	1909	1904	1899
<b>Primary power, total.</b>	14,249	3,313	2,874	329,100	210,359	128,953	100.0	100.0	100.0
Owned.	3,447	3,313	2,874	211,341	168,474	114,723	64.2	80.1	90.4
Steam.	2,539	2,408	2,158	193,326	153,178	105,190	58.8	72.8	82.9
•Gas.	765	689	545	10,115	6,292	3,244	3.1	3.0	2.6
Water wheels.	115	137	171	7,390	6,965	4,680	2.2	3.3	3.7
Water motors.	47	79	( <sup>2</sup> )	280	295	( <sup>2</sup> )	0.1	0.1	( <sup>2</sup> )
Other.				30	1,744	1,609	( <sup>2</sup> )	0.8	1.3
Rented.	10,802	( <sup>2</sup> )	( <sup>2</sup> )	117,759	41,885	12,230	35.8	19.9	9.6
Electric.	10,802	( <sup>2</sup> )	( <sup>2</sup> )	116,537	39,363	9,624	35.4	18.7	7.6
Other.				1,222	2,522	2,606	0.4	1.2	2.1
<b>Electricmotors</b>	12,393	658	281	143,684	49,575	15,762	100.0	100.0	100.0
Run by current generated by establishment.	1,591	658	281	27,147	10,212	6,138	18.0	20.6	38.9
Run by rented power.	10,802	( <sup>2</sup> )	( <sup>2</sup> )	116,537	39,363	9,624	81.1	79.4	61.1

<sup>1</sup> Includes the neighborhood industries and hand trades, omitted in 1904 and 1909.

<sup>2</sup> Not reported.

<sup>3</sup> Less than one-tenth of 1 per cent.

The use of electric motors for the purpose of applying the power generated within the establishments is shown to be rapidly becoming more common, the horsepower of such motors having increased from 6,138 in 1899 to 10,212 in 1904 and 27,147 in 1909.

**Fuel.**—Closely related to the question of kind of power employed is that of the fuel consumed in generating this power, or otherwise used as material in the manufacturing processes. The following table shows the quantity of each kind of fuel used in 1909 for all industries combined and for certain selected industries:

INDUSTRY.	Anthracite coal (tons).	Bituminous coal (tons).	Coke (tons).	Wood (cords).	Oil, including gasoline (barrels).	Gas (1,000 feet).
<b>All industries.</b>	4,421	43,165	113,665	76,323	8,883	502,548
Bread and other bakery products.	54	692	137	8,900	92,659	39,421
Butter, cheese, and condensed milk.	65	347		7,299	27,119	820
Canning and preserving.	83	1,797		3,529	141,958	12,816
Cars and general shop construction and repairs by steam-railroad companies.	14	4,705	17	1,257	316,874	23,620
Cement.					891,130	
Clothing, men's, including shirts.	4	24		3	1,321	1,909
Coffee and spice, roasting and grinding.			17	132		2,912
Copper, tin, and sheet-iron products.	15	154	207	107	1,180	5,644
Food preparations.	55	471		871	150,734	
Four-mill and machine-shop products.	65	322	311	521	13,309	5,826
Foundry and machine-shop products.	1,178	3,915	15,629	1,066	75,832	20,032
Gas, illuminating and heating.		300			9,205,961	600
Leather, tanned, curried, and finished.	232	2,297		717	45,322	
Liquors, distilled.		21		590	48,019	
Liquors, malt.	50	430	204	2,121	179,276	330
Liquors, vinous.	95	265		3,875	68,500	
Lumber and timber products.	26	389		13,285	46,216	23,607
Petroleum, refining.					1,286,666	
Printing and publishing.	88	751		482	3,018	33,586
Slaughtering and meat packing.	10	294		1,501	153,230	990
All other industries.	2,279	25,971	96,996	30,220	3,131,799	115,902

NOTE.—In addition, there were 15,164 tons of other varieties of fuel reported.

The most notable fact shown by the table is the large amount of oil and the small amounts of nearly all the other kinds of fuel used. The larger part of this oil is crude oil used as fuel in the generation of steam power, but increasing quantities of refined oil are being used in internal-combustion engines.

## SUPPLEMENTARY DATA REGARDING IMPORTANT INDUSTRIES.

(With statistics for laundries and custom gristmills.)

For certain industries the Census Bureau collects, by means of special schedules, details regarding the quantity and cost of materials and the quantity and value of products and other information for securing which no provision is made on the general schedule. Certain data of this character for eight important industries in California are here presented.

**Lumber and timber products.**—In the following tabular statement is shown the production of rough lumber, lath, and shingles in California for the census years 1909 and 1899:

PRODUCT.		QUANTITY.	
		1909	1899
Rough lumber.....	M feet b. m. . . . .	1,143,597	737,035
Lath.....	.....thousands.....	32,615	11,507
Shingles.....	.....thousands.....	574,342	650,090

During the decade from 1899 to 1909 the output of rough lumber in California increased 55.1 per cent and that of lath 183.4 per cent, while the production of shingles decreased 11.7 per cent. The period of most rapid growth in the industry was from 1899 to 1904, when the output of lumber increased 46.2 per cent. The woods which supply the raw material are almost exclusively conifers, the hardwood cut in 1909, practically all of which was California or tan-bark oak, forming only one-fifth of 1 per cent of the total lumber production during the year. A total of 521,630 M feet board measure, or more than 45.6 per cent of the lumber output in 1909, was California redwood, a species of timber which does not occur in saw-log size outside of California. Chief among the other species sawed into lumber in 1909 were western pine, with a production of 364,748 M feet board measure, Douglas fir, with a production of 88,852 M feet, and sugar pine, with a production of 88,822 M feet.

A noteworthy peculiarity of the lumber industry in the state is the fact that the manufacture of shingles, while carried on to some extent in connection with that of lumber, nevertheless amounts practically to a separate and distinct industry. Over 88 per cent of the shingle output of the state for 1909 was manufactured from redwood, which timber possesses in very high degree the qualities most desirable in shingle material.

**Slaughtering and meat packing.**—The next table gives the quantity and cost of the various materials used in this industry and the quantity and value of the various products, for 1909, 1904, and 1899.

From 1904 to 1909 the number of bees slaughtered increased 81,901, or 31.5 per cent; that of calves, 38,244, or 88.7 per cent; that of sheep, 81,484, or 8.2 per cent; and that of hogs, 30,234, or 9.6 per cent. The rate of increase in the cost of the animals slaugh-

tered was much higher than that in the number slaughtered.

MATERIAL OR PRODUCT.	1909	1904	1899
<b>Materials used, total cost.....</b>	<b>\$28,448,057</b>	<b>\$18,751,744</b>	<b>\$13,618,305</b>
Bees slaughtered:			
Number.....	341,617	299,716	174,113
Cost.....	\$14,348,274	\$9,735,012	\$6,017,732
Calves slaughtered:			
Number.....	81,344	43,100	28,531
Cost.....	\$930,751	\$412,644	\$280,958
Sheep slaughtered:			
Number.....	1,071,998	990,514	695,058
Cost.....	\$4,436,865	\$3,284,003	\$2,197,362
Hogs slaughtered:			
Number.....	344,319	314,085	228,075
Cost.....	\$4,339,254	\$2,891,457	\$1,989,208
Dressed meat, purchased.....	\$2,088,065	\$1,439,004	\$1,887,969
Fuel and rent of power.....	\$184,764	\$85,889	\$75,163
All other materials.....	\$2,120,054	\$903,735	\$1,157,594
<b>Products, total value.....</b>	<b>\$34,280,003</b>	<b>\$22,012,756</b>	<b>\$15,817,282</b>
Beef, fresh:			
Pounds.....	186,315,779	140,301,999	93,818,021
Value.....	\$13,820,710	\$9,135,362	\$5,972,469
Beef, salted or cured:			
Pounds.....	1,455,480	2,386,927	2,512,762
Value.....	\$137,792	\$171,352	\$173,381
Veal, fresh:			
Pounds.....	12,077,330	6,470,074	3,964,808
Value.....	\$1,104,753	\$561,602	\$326,705
Mutton, fresh:			
Pounds.....	44,220,813	38,021,994	29,605,967
Value.....	\$4,215,624	\$3,089,546	\$2,173,934
Pork, fresh:			
Pounds.....	32,204,886	22,796,629	18,315,565
Value.....	\$3,472,610	\$1,821,101	\$1,424,794
Pork, salted or cured:			
Pounds.....	13,964,304	23,183,338	28,705,334
Value.....	\$2,305,753	\$2,732,575	\$2,878,861
Sausage, fresh or cured.....	\$935,408	\$966,125	\$215,023
All other fresh meat:			
Pounds.....	3,435,527	350,000	2,295,977
Value.....	\$216,755	\$17,500	\$191,283
Lard:			
Pounds.....	6,644,167	8,312,662	4,181,112
Value.....	\$839,623	\$635,900	\$350,620
Tallow, oleo stock, and stearin:			
Pounds.....	11,363,156	( <sup>1</sup> )	( <sup>1</sup> )
Value.....	\$694,712	( <sup>1</sup> )	( <sup>1</sup> )
Fertilizers and fertilizer materials:			
Tons.....	6,062	3,325	1,570
Value.....	\$162,509	\$67,669	\$37,328
Hides:			
Number.....	374,278	272,042	201,444
Pounds.....	21,134,504	14,875,503	10,221,863
Value.....	\$2,710,097	\$1,465,399	\$960,324
Felts:			
Number.....	1,070,801	990,514	( <sup>1</sup> )
Value.....	\$742,098	\$742,499	( <sup>1</sup> )
Wool:			
Pounds.....	1,707,577	180,000	117,710
Value.....	\$430,967	\$51,100	\$23,742
All other products, including amount received for custom or contract work.....	\$2,580,592	\$964,886	\$1,108,798

<sup>1</sup> Figures not available.

With the exception of salted and cured beef and salted and cured pork, all the meat products show increases in value and, so far as figures are given, in quantity from 1904 to 1909, as well as from 1899 to 1904. The largest absolute gain in quantity during the more recent five-year period, 46,013,780 pounds, is shown for fresh beef, while the largest relative gain, 881.6 per cent, was in "All other fresh meat." The percentages of increase in value were generally greater than those in quantity, owing to the higher prices of meats that prevailed in 1909. One of the most interesting facts brought out by the table is the increasing production of fresh pork and the decreasing production of salted and cured pork. In 1899 the output of salted and cured pork was over one and one-half times that of fresh pork, while in 1909 the output of the latter was nearly two and one-third times that of the former.



The output of lard decreased in quantity, but increased in value from 1904 to 1909, while the value in 1909 of the products included under the head of "All other products" was nearly three times that in 1904, owing in a measure to the increased production of lard substitutes. The number of hides reported increased 102,236, or 37.6 per cent, from 1904 to 1909, and their value \$1,244,158, or 84.9 per cent.

**Canning and preserving.**—Although this industry in California dates from about 1875, its real importance and development did not commence until several years later. The value of its products, which in 1889 was \$6,621,931, more than doubled during each of the two following decades, amounting in 1909 to \$32,914,829. The quantity and value of the products, by classes, are given in the table in the next column for 1909, 1904, and 1899.

The case, which is used as the unit of measure for canned fruits and canned vegetables in the table, consists of 24 standard-size cans—No. 2 (also called 2-pound cans) for beans, peas, berries, cherries, and plums, and No. 3 (also called 3-pound cans) for all other fruits and vegetables. Where the output of fruits and vegetables has been reported in other forms by the canneries, the quantities so reported have been reduced to standard cases, as above specified.

California ranks first among the states in the production of canned asparagus, apricots, peaches, and pears, and of dried peaches and prunes; second in the production of canned sardines; and sixth in that of canned tomatoes. The state had a complete monopoly of the production of dried apricots and of raisins in the United States in 1909, neither of these products being reported from any other state.

The value of dried fruits constituted 49 per cent of the total value of products of the industry in 1909, as compared with 52.9 per cent in 1904 and 19.5 per cent in 1899. The increase in the value of the dried-fruit products during the decade 1899–1909 was 454.3 per cent, the greatest advance being from 1899 to 1904, when the gain was 374 per cent. The most important of the dried-fruit products, both in point of quantity and of value, were raisins and prunes. California reported the total output of raisins in the United States in 1909, as already stated, and 85.7 per cent of the total value of dried prunes produced.

Canned fruits, the second group of products in importance in respect to value, decreased in relative importance during both five-year periods, although the value of the output has remained approximately the same. The proportion which the value of this class of products formed of the total for the industry was 22 per cent in 1909, 26.8 per cent in 1904, and 49.1 per cent in 1899. The value of the output in 1909 shows an increase of \$270,259, or 3.9 per cent, as compared with 1904; this increase, however, was not sufficient to make up for the decrease from 1899 to

1904, so that a decrease of \$91,717, or 1.2 per cent, is shown for the decade as a whole. The fruit most largely canned in 1909 was peaches, the value of which constituted 9.2 per cent of the total reported for the canning and preserving industry.

The value of the vegetables canned increased throughout the period covered by the table, the rate of increase from 1904 to 1909 being much higher than that during the preceding five-year period. The value of canned asparagus formed over half of the value of all canned vegetables reported for the state in 1909.

PRODUCT.	1909	1904	1899
<b>Total value.....</b>	<b>\$32,914,829</b>	<b>\$28,083,228</b>	<b>\$14,940,882</b>
<b>Canned vegetables.....</b>	<b>\$3,470,621</b>	<b>\$2,366,661</b>	<b>\$2,274,037</b>
Asparagus—			
Cases.....	197,592	.....	.....
Value.....	\$1,794,346	.....	.....
Beans—			
Cases.....	47,505	65,641	34,209
Value.....	\$57,059	\$133,494	\$53,797
Peas—			
Cases.....	123,349	68,142	72,760
Value.....	\$350,624	\$144,053	\$145,987
Pumpkins—			
Cases.....	10,941	18,852	1,033
Value.....	\$15,165	\$30,156	\$1,860
Tomatoes—			
Cases.....	536,837	541,776	794,566
Value.....	\$1,120,632	\$845,805	\$2,068,997
All other—			
Cases.....	64,480	286,172	148
Value.....	\$202,765	\$1,213,173	\$396
<b>Canned fruits.....</b>	<b>\$7,248,342</b>	<b>\$6,978,083</b>	<b>\$7,340,059</b>
Apples—			
Cases.....	67,710	31,286	25,287
Value.....	\$136,855	\$67,591	\$71,427
Apricots—			
Cases.....	627,701	532,038	531,568
Value.....	\$1,819,558	\$1,619,757	\$1,582,927
Berries—			
Cases.....	95,002	67,467	67,564
Value.....	\$171,995	\$108,640	\$218,733
Cherries—			
Cases.....	224,084	171,298	49,375
Value.....	\$491,575	\$457,169	\$155,813
Peaches—			
Cases.....	1,149,590	744,715	903,678
Value.....	\$3,013,203	\$2,640,624	\$3,103,775
Pears—			
Cases.....	433,796	524,197	444,343
Value.....	\$1,316,022	\$1,577,833	\$1,610,900
Plums—			
Cases.....	138,995	196,379	358,298
Value.....	\$230,364	\$349,307	\$596,484
All other—			
Cases.....	20,013	54,215	.....
Value.....	\$68,750	\$97,272	.....
<b>Dried fruits.....</b>	<b>\$39,726,550</b>	<b>\$30,308,919</b>	<b>\$5,587,883</b>
Pounds.....	\$16,137,716	\$13,800,601	2,911,520
Apples—			
Pounds.....	6,560,170	811,254	3,067,220
Value.....	\$481,173	\$40,659	\$155,593
Apricots—			
Pounds.....	29,205,569	19,559,573	6,310,217
Value.....	\$2,277,177	\$1,410,338	\$442,544
Peaches—			
Pounds.....	46,827,391	25,845,364	5,502,390
Value.....	\$2,422,043	\$1,701,105	\$301,495
Prunes—			
Pounds.....	118,917,878	114,580,431	24,102,329
Value.....	\$4,394,922	\$3,169,578	\$907,041
Raisins—			
Pounds.....	111,774,767	121,409,881	14,984,221
Value.....	\$4,837,933	\$6,349,381	1,062,268
All other—			
Pounds.....	26,140,777	18,102,416	601,506
Value.....	\$1,724,468	\$1,128,740	\$42,279
<b>Fish and oysters.....</b>	<b>\$12,657,233</b>	<b>\$16,582,300</b>	<b>\$11,238,460</b>
Pounds.....	\$1,156,881	\$1,011,222	\$796,637
<b>Canned fish—</b>			
Sardines—			
Pounds.....	1,950,364	860,000	388,708
Value.....	\$238,607	\$75,000	\$78,860
All other—			
Pounds.....	2,286,610	5,300,923	3,480,416
Value.....	\$357,601	\$738,524	\$262,808
<b>Smoked fish—</b>			
Pounds.....	100,900	739,537	225,000
Value.....	\$14,680	\$71,088	\$9,000
<b>Salted fish—</b>			
Pounds.....	8,289,359	9,681,840	7,144,336
Value.....	\$515,993	\$483,610	\$445,969
<b>All other products.....</b>	<b>\$4,901,269</b>	<b>\$1,926,659</b>	<b>\$1,618,629</b>

The canning and curing of fish and the canning of oysters and clams, constitute, in California, a minor branch of the canning and preserving industry. Of the 196 establishments reported for the industry in 1909, 15 canned or cured fish and canned oysters; 2 others canned oysters; and 1 canned clams. Sardines were the chief kind of fish canned, salmon was the leading variety smoked, and cod was the principal species salted.

It is worthy of note that over half of the value of products reported for the industry in the state in 1909 was returned by eight corporations having 38 plants which were reported as 33 establishments.

**Flour-mill and gristmill products.**—The following tabular statement gives the quantity and value of the various products of this industry for 1909, 1904, and 1899:

PRODUCT.	1909	1904	1899
<b>Total value.....</b>	<b>\$25, 188, 133</b>	<b>\$20, 202, 542</b>	<b>\$13, 045, 260</b>
Wheat flour:			
White—			
Barrels.....	1, 774, 958	2, 408, 358	
Value.....	\$10, 209, 567	\$10, 479, 131	
Graham—			
Barrels.....	30, 290	31, 141	
Value.....	\$166, 134	\$132, 540	
Corn meal and corn flour:			
Barrels.....	50, 969	52, 254	92, 356
Value.....	\$222, 399	\$215, 845	\$215, 213
Rye flour:			
Barrels.....	9, 214	22, 733	14, 582
Value.....	\$45, 145	\$105, 946	\$43, 641
Buckwheat flour:			
Pounds.....	133, 328	352, 382	552, 000
Value.....	\$4, 514	\$12, 753	\$19, 572
Hominy and grits:			
Pounds.....	736, 669	987, 983	3, 097, 560
Value.....	\$20, 937	\$33, 905	\$36, 835
Feed:			
Tons.....	336, 431	228, 069	111, 944
Value.....	\$10, 462, 069	\$5, 979, 376	\$2, 242, 136
Offal:			
Tons.....	79, 643	99, 070	84, 107
Value.....	\$2, 056, 372	\$2, 057, 448	\$1, 155, 775
All other products.....	\$2, 000, 996	\$1, 185, 598	\$1, 403, 639

Measured by value, the most important single product in 1909 was feed, the output of which more than trebled in quantity and considerably more than quadrupled in value during the decade 1899–1909. The greatest relative gains in both quantity and value, and the largest absolute gain in quantity, were from 1899 to 1904, but the largest absolute increase in value was from 1904 to 1909. Much of the feed made in California was from barley, the crop of which in 1909 was over four times as great as the wheat crop and exceeded the combined yield of all other cereals in the state.

Wheat flour was the second product in importance in 1909, having been displaced from first place since 1904 by feed. The output of this product decreased during both five-year periods, while its value increased from 1899 to 1904 and decreased slightly from 1904 to 1909. The proportion which the value of wheat flour formed of the total for all flour-mill and gristmill products in the state decreased from 60.8 per cent in 1899 to 52.5 per cent in 1904 and 41.2 per cent in 1909. These decreases are in a measure due to the in-

creasing quantities of wheat used in the manufacture of food preparations, the total value of which was \$5,508,000 in 1909, or nearly three and one-half times that in 1904.

The output of all other products shown separately in the table decreased in both quantity and value between 1904 and 1909, with the exception of corn meal and corn flour, for which a slight increase in value was reported.

The following tabular statement classifies the mills reporting wheat flour in 1909 and 1904 according to their output:

OUTPUT.	NUMBER OF MILLS.	
	1909	1904
<b>Total.....</b>	<b>66</b>	<b>83</b>
Less than 1,000 barrels.....	12	8
1,000 barrels but less than 5,000.....	22	31
5,000 barrels but less than 20,000.....	19	22
20,000 barrels but less than 100,000.....	9	18
100,000 barrels and over.....	4	4

The number of pairs of rolls in use in the industry increased from 1,146 in 1899 to 1,415 in 1904, but decreased to 1,215 in 1909. The number of runs of stone and steel burrs decreased from 148 in 1899 to 88 in 1904 and 57 in 1909.

**Printing and publishing.**—The number and the aggregate circulation of the different classes of newspapers and periodicals reported in 1909, 1904, and 1899 are shown in the following tabular statement:

PERIOD OF ISSUE.	NUMBER OF PUBLICATIONS.			AGGREGATE CIRCULATION PER ISSUE.		
	1909	1904	1899	1909	1904	1899
<b>Total.....</b>	<b>854</b>	<b>845</b>	<b>656</b>	<b>3, 025, 250</b>	<b>2, 827, 234</b>	<b>1, 448, 656</b>
Daily.....	166	148	117	902, 752	669, 556	475, 596
Semi-daily.....	36	36	34	616, 916	598, 167	(1)
Semi-weekly.....	237	328	23	44, 856	28, 600	23, 822
Weekly.....	495	487	397	730, 424	769, 155	618, 146
Monthly.....	105	124	71	619, 900	522, 526	194, 792
All other classes.....	15	22	14	110, 462	39, 230	136, 300

<sup>1</sup> Included in circulation of dailies.

<sup>2</sup> Includes six triweekly publications.

<sup>3</sup> Includes two triweekly publications.

The total number of publications and their aggregate circulation increased much more rapidly from 1899 to 1904 than from 1904 to 1909. The gain in number during the earlier five-year period, 1899–1904, was 189, and that in circulation 1,178,578, while during the five-year period following the corresponding increases were 9 and 398,016, respectively. The class of publications having the largest circulation in 1909 was the dailies, while in 1904 and in 1899 the weeklies had the largest circulation. The dailies also show the most pronounced absolute increase in circulation from 1904 to 1909, while the circulation of the weeklies decreased slightly during the same period. Of the 166 daily newspapers published in 1909, 65, with an aggregate circulation of 457,289, were morning papers.

The increase shown for the more recent five-year period in the circulation of the publications included under the head of "All other classes" was due to the fact that a religious periodical of large circulation which was not classed as a periodical in 1904 was reported as a quarterly in 1909, and to the inclusion in 1909 of a semimonthly agricultural magazine which was not reported in 1904. This class, in 1909, included six semimonthly, five bimonthly, and four quarterly publications.

The number and aggregate circulation of the different classes of newspapers and periodicals printed respectively in English and in foreign languages are shown in the following table:

PERIOD OF ISSUE.	TOTAL.		IN ENGLISH.		IN FOREIGN LANGUAGES. <sup>1</sup>	
	Num-ber.	Aggregate circulation per issue.	Num-ber.	Aggregate circulation per issue.	Num-ber.	Aggregate circulation per issue.
<b>Total</b> .....	854	3,025,250	509	2,890,856	54	134,564
Daily.....	166	902,732	153	854,119	13	48,633
Sunday.....	36	616,916	32	592,913	4	24,003
Semiweekly and triweekly..	37	44,856	35	40,156	2	4,700
Weekly.....	495	730,424	465	694,246	30	36,178
Monthly.....	105	619,940	101	599,600	4	21,050
Quarterly.....	4	60,277	4	60,277	1	1
All other classes.....	11	50,125	10	49,375	1	1

<sup>1</sup> Including those publications which were printed in English and also in one or more foreign languages.

Of the 13 dailies printed in foreign languages, 6 were printed in Japanese, 3 in Chinese, 2 in Italian, and 1 each in German and in French, while 3 of the 4 Sunday editions were in Japanese, and the other was in German. Both the semiweekly and the triweekly were in Italian, 3 of the 4 monthlies were in Portuguese and the other in Swedish, while the bimonthly periodical shown under the head of "All other classes" was in Armenian and English. Of the 30 weekly publications in foreign languages, 8 were printed in German, 6 in Italian, 5 in Portuguese, 3 in Spanish, 2 each in French and in Greek, and 1 each in Danish, Swedish, Croatian, and Servian. Of the 16 newspapers and periodicals in Japanese reported for the United States in 1909, 9 were published in California.

**Petroleum, refining.**—In the production of crude petroleum California leads all other states in the Union, and its refineries were supplied entirely from the native product. In 1909 the output of crude oil in the state was reported as 54,433,010 barrels, valued at \$30,675,267, these figures representing 29.9 per cent of the total quantity and 23.9 per cent of the total value of crude oil produced in the United States. A large part of the California oils are heavy and useful mainly for the production of asphalt, as they have an asphaltum rather than a paraffin basis. The total number of refineries in the state increased from 4 in 1899 to 19 in 1904 and 29 in 1909.

The following table shows the quantity and cost of materials used in the refineries of the state, the quantity and value of the principal products, and the main equipment reported for 1909, 1904, and 1899:

MATERIAL, PRODUCT, AND EQUIPMENT.	1909	1904	1899
<b>Materials used, total cost</b> .....	\$13,897,721	\$4,136,809	\$463,989
Crude petroleum:			
Barrels (42 gallons).....	13,481,085	4,369,600	339,863
Cost.....	\$10,105,341	\$3,431,754	\$405,150
Containers.....	\$856,894	\$131,404	\$79,400
All other materials.....	\$2,935,486	\$567,651	\$75,439
<b>Products, total value</b> .....	\$17,878,006	\$5,748,558	\$697,877
Oils:			
Illuminating—			
Barrels (30 gallons).....	1,728,863	647,974	45,849
Value.....	\$5,047,759	\$2,623,738	\$170,066
Fuel (including gas oils)—			
Barrels.....	3,931,366	731,215	84,240
Value.....	\$3,862,603	\$618,178	\$98,237
Lubricating—			
Barrels.....	186,672	54,018	2,052
Value.....	\$1,137,661	\$221,760	\$10,262
Naphtas and gasoline (including gas naphtha)—			
Barrels.....	628,804	238,015	57,995
Value.....	\$3,256,209	\$926,063	\$201,209
All other products.....	\$4,573,774	\$1,958,859	\$218,103
<b>Equipment:</b>			
Stills, number.....	237	106	37
Heated by steam—			
Number.....	28	14	9
Capacity (barrels of 42 gallons).....	4,934	( <sup>1</sup> )	( <sup>1</sup> )
Heated by superheated steam—			
Number.....	1	1	6
Capacity (barrels of 42 gallons).....	200	( <sup>1</sup> )	( <sup>1</sup> )
Heated by fire—			
Number.....	268	92	22
Capacity (barrels of 42 gallons).....	156,939	( <sup>1</sup> )	( <sup>1</sup> )
Agitators, number.....	56	47	7
Hydraulic or other presses, number.....	7	2	2
Storage tanks:			
For crude petroleum—			
Number.....	165	124	12
Capacity, gallons.....	29,037,397	12,439,724	( <sup>1</sup> )
For refined petroleum—			
Number.....	636	375	62
Capacity, gallons.....	55,413,986	49,410,383	( <sup>1</sup> )
Cooper shops, number.....	8	11	2
Tin shops, number.....	1	2	1

<sup>1</sup> Figures not available.

The output of fuel oils (including gas oils) refined in 1909 was greater than the combined output of all other products shown separately, forming 60.7 per cent of the total output of oils. The corresponding proportion for 1904 was 43.8 per cent and for 1899, 44.3 per cent. The fuel oils produced in California represented 11.6 per cent of the total output of fuel oils in the United States in 1909. Illuminating oils, the next product in importance, show a decided increase from census to census. The proportion which this latter class of oils formed of the total output of oils increased from 24.1 per cent in 1899 to 38.8 per cent in 1904, but decreased to 26.7 per cent in 1909.

In addition to the products shown separately in the table, a number of other products were reported, the most important being oil asphaltum, the output of which in 1909 was 139,473 tons of 2,000 pounds. No comparative figures, however, are available, as prior to 1909 this product was not reported separately. There was a great increase from 1899 to 1904 in the quantity of residuum or tar reported, but in 1909 the amount was very much reduced. Considerable quantities of

fuel and other distillates and some liquid asphalt were also reported in 1909.

The great increase in the industry is also reflected in the increase in equipment, such as stills, storage tanks, and agitators.

**Butter, cheese, and condensed milk.**—While this industry shows a decided increase in value of products for each of the five-year periods covered by the table, the number of establishments, as shown in Table I, page 698, though increasing considerably from 1899 to 1904, decreased 42.7 per cent from 1904 to 1909. The decrease is due entirely to a change in the manner of conducting the industry. In 1904 there were a number of local creameries which have since been abandoned or else are now used simply as collecting depots, from which the milk and cream are shipped to large central plants. In 1909 only one establishment in the industry was engaged primarily in the manufacture of condensed milk, whereas six were reported as so engaged in 1904 and two in 1899.

The following table gives the quantity and value of the chief products for 1909, 1904, and 1899:

PRODUCT.	1909	1904	1899
<b>Total value</b> .....	<b>\$12,760,870</b>	<b>\$7,820,937</b>	<b>\$3,582,942</b>
Butter:			
Pounds.....	37,283,450	26,837,356	13,147,137
Value.....	\$11,644,453	\$6,640,845	\$2,354,632
Packed solid—			
Pounds.....	7,764,696	3,070,637	2,983,262
Value.....	\$2,388,265	\$742,929	\$584,478
Prints or rolls—			
Pounds.....	29,518,754	23,766,749	10,163,875
Value.....	\$9,256,188	\$5,897,916	\$2,270,154
Cream sold:			
Pounds.....	2,674,825	921,334	1,036,600
Value.....	\$411,473	\$152,277	\$130,283
Cheese, full cream:			
Pounds.....	1,567,640	3,601,051	2,676,543
Value.....	\$252,582	\$425,231	\$279,125
All other products.....	\$452,162	\$622,584	\$328,902

<sup>1</sup> Includes, in 1909, 123,000 pounds of part-cream cheese, valued at \$13,296; in 1904, 174,005 pounds of "other kinds," valued at \$26,375; and, in 1899, 251,838 pounds of "other kinds," valued at \$34,615.

The total quantity of butter manufactured in the state during 1909 was 37,283,450 pounds, an increase of 38.9 per cent as compared with 1904 and of 183.6 per cent as compared with 1899. The value of butter represented 91.3 per cent of the total value of all products reported for the industry in 1909, as compared with 84.9 per cent in 1904 and 79.7 per cent in 1899. Although by far the largest part of the butter manufactured was in prints and rolls, there were large relative increases from 1904 to 1909 in the quantity and value of butter packed solid, amounting to 152.9 per cent and 221.5 per cent, respectively.

The output of cheese increased decidedly in both quantity and value from 1899 to 1904, but the totals shown for 1909 were less than those presented for 1899. These decreases are no doubt due in part to the increasing practice of separating the cream on the farm, as it is now more profitable to sell the separated cream to the butter factories. The greater profit resulting from the sale of milk to the dealers in the

cities may also have been a factor in the decrease referred to.

**Leather, tanned, curried, and finished.**—The quantity and cost of the materials used and the quantity and value of the principal products reported for this industry are shown separately for 1909, 1904, and 1899 in the following table:

MATERIAL OR PRODUCT.	1909	1904	1899
<b>Materials used, total cost</b> .....	<b>\$7,039,453</b>	<b>\$5,312,140</b>	<b>\$5,809,428</b>
Cattle hides:			
Number.....	611,421	634,417	585,186
Cost.....	\$4,300,834	\$3,528,424	\$3,207,362
Calf and kip skins:			
Number.....	113,449	107,834	122,167
Cost.....	\$302,613	\$138,172	\$138,507
Goatskins:			
Number.....	20,724	20,022	27,052
Cost.....	\$10,601	\$13,814	\$12,000
Sheepskins:			
Number.....	1,328,712	1,510,067	1,381,579
Cost.....	\$926,139	\$829,275	\$890,014
All other skins:			
Number.....	82,047	112,720	196,319
Cost.....	\$77,921	\$82,774	\$147,280
Rough leather, purchased.....	\$44,020	\$112,160	\$434,214
All other materials.....	\$1,377,425	\$1,206,521	\$979,851
<b>Products, total value</b> .....	<b>\$9,366,545</b>	<b>\$8,072,257</b>	<b>\$7,405,981</b>
Leather—			
Sole.....	\$8,237,323	\$7,196,516	\$6,859,492
Sides.....	472,236	575,393	656,063
Value.....	\$3,100,226	\$2,971,579	\$2,632,988
Oa.....			
Sides.....	429,716	575,393	556,063
Value.....	\$2,940,734	\$2,971,579	\$2,532,988
Chrome—			
Sides.....	42,530		
Value.....	\$159,452		
Upper, other than calf or kip skins—			
Grain, satin, pebble, etc. (side leather)—			
Sides.....	24,268	22,780	60,603
Value.....	\$83,776	\$69,680	\$139,572
Finished splits—			
Number.....	42,600	83,832	7,520
Value.....	\$28,825	\$32,623	\$10,801
Horsehides—			
Number.....	9,427	3,600	
Value.....	\$34,757	\$12,600	
Calf and kip skins, tanned and finished—			
Number.....	127,852	106,571	122,152
Value.....	\$408,957	\$241,728	\$195,124
Flesh—			
Number.....	5,583	68,688	85,000
Value.....	\$16,084	\$142,749	\$141,529
Grain—			
Number.....	122,269	37,883	37,152
Value.....	\$392,873	\$98,979	\$53,595
Goatskins—			
Number.....	10,360	3,000	6,400
Value.....	\$34,294	\$12,000	\$6,040
Sheepskins, tanned and finished—			
Number.....	601,802	1,012,816	1,135,250
Value.....	\$237,476	\$341,262	\$318,900
Harness—			
Sides.....	383,264	339,041	379,323
Value.....	\$2,571,122	\$1,904,647	\$1,976,755
Glove.....	\$733,587	\$530,480	\$525,507
Rough leather sold.....	\$210,051	\$352,799	\$309,405
All other.....	\$804,252	\$727,118	\$544,290
All other products.....	\$1,090,436	\$867,855	\$843,710
Amount received for work on materials for others.....	\$38,786	\$7,886	\$2,789

Untanned cattle hides constituted the principal material at each census, their value forming 61.1 per cent of the total reported for all materials in 1909, as against 59.7 per cent in 1904 and 55.2 per cent in 1899. The number of hides used increased 8.4 per cent from 1899 to 1904, but decreased slightly from 1904 to 1909. The number of calf and kip skins used in 1909 was somewhat larger than in 1904, and the number of goatskins also shows a slight increase; large decreases were, however, reported in the number of sheepskins and of the skins included under the head

of "All other skins." Each kind of skins used shows a decrease in 1909 as compared with 1899. There was also a pronounced decrease during the decade in both the quantity and cost of leather purchased in the rough for currying.

Measured by value, the most important individual class of products at each of the three censuses was oak sole leather, the output of which increased slightly in both quantity and value from 1899 to 1904, but decreased in both respects during the period from 1904 to 1909. The product next in importance was harness leather, which shows a decrease in both quantity and value of output from 1899 to 1904, but an increase in both respects during the next five years. Pronounced increases from 1904 to 1909 are shown for tanned and finished grain calf and kip skins, while decided decreases during the same period are shown for tanned and finished sheepskins and in the value of rough leather sold.

**Laundries.**—Statistics for steam laundries are not included in the general tables, or in the totals for manufacturing industries. In 1909 there were 321 such establishments in California, 87 of which were in San Francisco, 41 in Oakland, 31 in Los Angeles, and 10 in Sacramento.

The following statement summarizes the statistics:

Number of establishments.....	321
Persons engaged in the industry.....	9,060
Proprietors and firm members.....	308
Salaried employees.....	714
Wage earners (average number).....	8,038
Primary horsepower.....	8,961
Capital.....	\$6,295,915
Expenses.....	8,177,759
Services.....	5,260,743
Materials.....	1,612,112
Miscellaneous.....	1,304,904
Amount received for work done.....	9,541,795

Of the 321 establishments reporting, 146 were operated by individuals, 66 by firms, and 109 by corporations. Sixty-five establishments had receipts for the year's business of less than \$5,000; 130, receipts of \$5,000 but less than \$20,000; 107, receipts of \$20,000 but less than \$100,000; and 19, receipts of \$100,000 but less than \$1,000,000.

The number of wage earners employed each month and the percentage which this number represented of the greatest number employed in any month were as shown in the next table.

MONTH.	WAGE EARNERS.		MONTH.	WAGE EARNERS.	
	Number.	Per cent of maximum.		Number.	Per cent of maximum.
January.....	7,632	91.2	July.....	8,366	100.0
February.....	7,560	90.4	August.....	8,277	98.9
March.....	7,828	93.6	September.....	8,350	99.8
April.....	7,911	94.6	October.....	8,209	98.1
May.....	7,885	93.4	November.....	8,118	97.0
June.....	8,107	96.9	December.....	8,116	97.0

The different kinds of primary power, the number of engines or motors, and the horsepower used in 1909 are shown in the following tabular statement:

KIND.	Number of engines or motors.	Horsepower.
<b>Primary power, total.....</b>		<b>8,961</b>
Owued:		
Steam.....	202	7,504
Gas.....	3	15
Water wheels.....	5	150
Water motor.....	1	10
Rented:		
Electric.....	235	1,224
Other.....		58

The kind and amount of fuel used are shown in the following statement:

KIND.	Unit.	Quantity.
Anthracite coal.....	Tons.....	222
Bituminous coal.....	Tons.....	2,646
Coke.....	Tons.....	19
Wood.....	Cords.....	3,496
Oil.....	Barrels.....	270,910
Gas.....	1,000 feet.....	50,267

**Custom sawmills and gristmills.**—Statistics for custom gristmills are not included in the general tables or in the totals for manufacturing industries, but are presented in the following summary. Statistics can not be shown for custom sawmills without disclosing the operations of the one establishment reported.

	Custom gristmills.
Number of establishments.....	12
Persons engaged in the industry.....	28
Proprietors and firm members.....	9
Salaried employees.....	4
Wage earners (average number).....	15
Primary horsepower.....	518
Capital.....	\$15,411
Expenses.....	525,697
Services.....	11,663
Materials.....	1,503,559
Miscellaneous.....	10,475
Value of products.....	1,572,597

<sup>1</sup> Includes estimate of all grain ground.

TABLE I.—COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899.

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

INDUSTRY.	Census.	Number of establishments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse-power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	
			Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number).								
Expressed in thousands.														
STATE—All industries.....	1909	7,859	141,578	8,077	18,203	115,298	329,100	\$537,134	\$22,855	\$84,142	\$326,238	\$529,761	\$204,523	
	1904	6,839	120,040	7,402	12,283	100,355	210,359	282,647	14,399	64,657	219,728	397,718	151,452	
	1899	4,997	.....	.....	6,877	77,224	126,353	175,488	7,495	39,890	164,894	257,386	92,492	
Agricultural implements.....	1909	25	749	19	108	622	1,186	2,359	123	451	1,441	2,670	1,229	
	1904	25	585	19	87	479	989	2,240	99	340	1,484	1,484	774	
	1899	20	655	12	81	562	699	1,852	75	322	539	1,358	819	
Artificial stone.....	1909	66	434	71	43	320	247	448	36	239	220	643	423	
	1904	22	227	19	28	180	87	262	20	122	130	329	199	
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Automobiles, including bodies and parts.	1909	41	589	50	61	478	305	701	71	368	700	1,470	770	
	1904	6	21	4	3	14	32	49	5	10	13	36	23	
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Babbitt metal and solder.....	1909	5	81	.....	29	52	91	547	67	40	847	1,120	273	
	1904	4	57	3	17	37	72	256	29	27	590	724	131	
	1899	4	46	4	8	34	.....	176	11	23	464	551	87	
Boots and shoes, including cut stock and findings.	1909	18	840	76	69	635	369	1,192	89	402	1,120	1,924	804	
	1904	24	817	59	50	708	246	1,157	51	389	1,000	1,734	734	
	1899	24	1,151	88	63	1,000	.....	1,262	56	460	1,103	1,862	759	
Boxes, fancy and paper.....	1909	19	703	10	69	624	405	731	86	271	442	965	523	
	1904	16	478	12	33	433	105	420	36	152	241	524	283	
	1899	13	330	20	14	296	.....	153	11	96	134	329	195	
Brass and bronze products.....	1909	29	259	28	36	195	261	338	42	181	295	679	394	
	1904	22	465	21	56	388	223	780	76	260	942	619	619	
	1899	16	391	19	27	345	.....	779	34	219	490	811	411	
Bread and other bakery products.....	1909	864	5,801	1,677	706	4,018	2,517	8,656	663	3,075	10,377	17,710	7,333	
	1904	615	3,808	737	293	2,778	898	3,327	214	1,991	5,756	10,619	4,863	
	1899	359	2,165	423	194	1,548	.....	1,665	110	836	2,624	4,877	2,233	
Brick and tile.....	1909	78	1,879	35	141	1,703	8,972	9,169	162	1,146	952	2,756	1,804	
	1904	69	1,504	46	101	1,357	5,067	3,929	102	835	235	1,916	1,581	
	1899	56	825	60	45	720	1,468	1,205	43	333	166	834	668	
Butter, cheese, and condensed milk.....	1909	161	918	119	202	597	2,496	2,829	202	466	11,140	12,761	1,621	
	1904	281	907	269	125	603	3,026	2,107	73	414	6,460	7,821	1,361	
	1899	178	629	137	90	402	.....	1,157	47	203	2,981	3,583	602	
Canning and preserving.....	1909	196	8,714	148	809	7,757	7,453	18,316	1,080	3,454	24,009	32,915	8,906	
	1904	236	8,510	160	611	7,739	4,635	11,187	835	3,251	18,655	26,083	7,428	
	1899	183	.....	.....	349	8,200	.....	5,511	344	2,257	10,145	14,941	4,796	
Carriages and wagons and materials.....	1909	155	1,015	185	70	760	957	1,635	74	610	849	2,052	1,203	
	1904	198	1,277	248	49	980	782	1,730	51	715	832	2,352	1,500	
	1899	193	.....	.....	37	923	.....	1,603	44	502	776	1,976	1,200	
Cars and general shop construction and repairs by steam-railroad companies.	1909	42	9,688	.....	346	9,342	7,877	4,721	379	8,394	9,549	18,719	9,170	
	1904	28	8,522	.....	271	8,251	4,733	4,047	313	6,068	3,251	9,836	6,585	
	1899	29	5,039	.....	119	4,920	3,162	4,430	142	3,507	3,826	7,554	3,729	
Cars and general shop construction and repairs by street-railroad companies.	1909	21	2,002	.....	100	1,902	2,055	2,139	97	1,676	1,152	3,009	1,857	
	1904	3	943	.....	91	852	235	144	94	672	461	1,228	767	
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Cement.....	1909	8	2,521	.....	114	2,407	28,802	24,014	135	1,650	2,182	6,504	4,322	
	1904	4	628	.....	32	596	5,351	4,856	89	236	664	1,601	937	
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Chemicals.....	1909	13	294	2	48	244	1,308	2,788	66	168	762	1,306	544	
	1904	15	303	3	41	259	1,060	1,969	41	189	700	1,124	424	
	1899	21	463	11	62	390	984	1,845	70	230	1,406	2,061	655	
Clothing, men's, including shirts.....	1909	74	2,859	272	202	2,385	540	2,258	201	1,050	2,885	5,121	2,226	
	1904	68	3,199	287	144	2,768	371	2,273	139	1,146	2,763	5,238	2,475	
	1899	108	.....	.....	102	2,938	.....	1,293	97	945	2,710	4,721	2,011	
Clothing, women's.....	1909	64	1,197	313	93	791	137	643	100	350	876	1,672	796	
	1904	55	1,275	231	67	977	96	537	58	424	863	1,745	882	
	1899	59	1,560	182	67	1,311	.....	692	51	437	1,068	1,981	973	
Coffee and spice, roasting and grinding.	1909	44	707	27	328	352	1,123	3,324	532	245	4,617	6,492	1,875	
	1904	45	627	42	254	331	816	2,221	343	196	3,251	4,683	1,432	
	1899	40	483	48	168	267	.....	1,657	212	158	2,315	3,136	821	
Confectionery.....	1909	89	1,410	102	306	1,002	582	2,123	271	459	2,138	3,624	1,436	
	1904	93	1,564	105	225	1,234	567	1,810	216	333	1,647	3,506	1,859	
	1899	36	.....	.....	157	711	.....	511	106	220	904	1,790	886	
Cooperage and wooden goods, not elsewhere specified.	1909	38	502	40	46	416	1,192	1,547	67	323	1,579	2,167	588	
	1904	31	537	28	32	467	826	798	47	317	1,134	1,718	584	
	1899	23	434	36	13	385	.....	471	15	247	948	1,413	465	
Copper, tin, and sheet-iron products.....	1909	223	2,511	317	256	1,938	1,367	7,130	319	1,659	3,565	6,594	3,239	
	1904	123	2,279	147	132	2,000	628	9,657	238	1,206	3,988	5,938	2,650	
	1899	53	.....	.....	78	1,780	.....	2,669	84	876	3,508	5,285	1,777	
Electrical machinery, apparatus, and supplies.	1909	27	540	11	94	435	442	779	102	240	928	1,613	685	
	1904	24	521	6	112	403	278	716	113	244	434	1,004	570	
	1899	11	272	5	29	238	406	181	29	130	359	556	197	

<sup>1</sup> Not reported separately.<sup>2</sup> Excluding statistics for one establishment, to avoid disclosure of individual operations.<sup>3</sup> Figures can not be shown without disclosing individual operations.

TABLE I.—COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899—Continued.

THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY.	Census.	Number of establishments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse-power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
			Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number).							
Expressed in thousands.													
STATE—Continued.													
Fertilizers.....	1909	15	278	1	51	226	1,579	\$2,097	\$72	\$155	\$1,796	\$2,313	\$517
	1904	14	168	10	35	123	852	904	39	69	519	894	375
	1899	8	89	3	16	70	415	648	20	40	453	671	188
Firearms and ammunition.....	1909	5	192	.....	36	156	327	2,169	52	83	1,167	1,577	410
	1904	4	141	.....	24	117	235	499	24	58	510	780	270
	1899	15	142	1	11	130	.....	415	18	61	491	652	161
Flour-mill and gristmill products.....	1909	125	1,392	82	362	948	11,545	13,424	514	732	21,892	25,188	3,296
	1904	122	1,300	94	317	889	11,004	11,467	443	659	17,132	20,203	3,071
	1899	107	.....	.....	195	857	10,015	6,493	269	525	11,023	13,045	2,022
Food preparations.....	1909	129	1,108	171	221	716	1,959	3,332	227	406	3,970	5,508	1,538
	1904	75	661	122	110	429	659	846	87	190	938	1,587	649
	1899	58	.....	.....	39	302	.....	469	30	138	678	1,151	473
Foundry and machine-shop products.....	1909	543	10,218	470	1,371	8,377	17,253	28,693	1,832	7,312	12,901	26,731	13,830
	1904	388	7,770	368	814	6,588	7,849	16,125	1,091	4,913	7,382	17,595	10,213
	1899	298	.....	.....	527	5,173	.....	8,471	602	3,332	5,915	13,023	7,108
Furnishing goods, men's.....	1909	11	187	14	39	134	16	318	35	67	457	721	264
	1904	6	114	10	12	92	8	60	10	37	167	274	107
	1899	14	.....	.....	53	578	.....	271	38	129	361	656	235
Furniture and refrigerators.....	1909	129	1,978	124	201	1,653	2,333	3,062	226	1,507	1,558	4,496	2,638
	1904	90	1,381	85	102	1,194	1,748	2,451	114	887	1,290	2,834	1,544
	1899	40	791	50	57	684	.....	543	43	365	584	1,268	684
Gas and electric fixtures and lamps and reflectors.	1909	41	785	31	201	553	540	1,743	232	446	750	1,715	965
	1904	12	307	11	52	244	156	408	49	169	193	500	307
	1899	14	281	13	51	217	.....	442	61	128	185	499	314
Gas, illuminating and heating.....	1909	74	2,538	1	871	1,666	7,502	47,075	824	1,408	2,604	8,927	6,323
	1904	53	1,303	1	454	848	3,606	31,286	391	650	1,184	5,412	4,228
	1899	41	910	.....	208	707	.....	20,487	229	497	896	3,162	2,266
Gloves and mittens, leather.....	1909	23	717	21	126	570	58	1,039	129	267	558	1,231	673
	1904	22	588	21	51	516	43	604	47	223	459	911	452
	1899	23	717	30	65	622	40	433	53	225	437	921	484
Ice, manufactured.....	1909	77	854	35	153	666	9,971	7,781	212	572	564	2,331	1,767
	1904	54	517	35	67	415	5,788	3,550	71	335	299	1,307	1,008
	1899	20	261	7	64	190	1,983	1,306	63	132	120	511	391
Iron and steel, steel works and rolling mills.	1909	6	1,085	.....	47	1,038	3,945	2,646	81	829	2,348	3,520	1,172
	1904	4	808	.....	35	773	2,618	1,110	53	492	779	1,489	710
	1899	3	573	.....	18	555	2,056	1,499	22	327	507	901	394
Jewelry.....	1909	58	797	165	58	574	324	462	65	477	664	1,557	893
	1904	49	606	127	34	445	161	331	38	375	682	1,447	765
	1899	21	.....	.....	16	221	.....	186	17	160	400	693	293
Leather goods.....	1909	88	946	79	157	710	321	1,945	148	458	1,101	2,244	1,143
	1904	97	973	99	99	775	357	2,075	112	488	1,016	2,125	1,109
	1899	64	.....	.....	87	784	.....	1,256	74	366	915	1,703	788
Leather, tanned, curried, and finished..	1909	40	1,547	20	129	1,398	3,534	8,535	215	988	7,039	9,367	2,328
	1904	49	1,670	39	116	1,515	3,291	6,368	184	945	5,912	8,072	2,160
	1899	45	1,577	48	75	1,454	2,152	4,820	106	871	5,809	7,406	1,597
Lime.....	1909	15	459	12	37	410	558	1,381	55	234	212	609	397
	1904	13	392	4	32	356	95	1,253	43	173	161	572	411
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Liquors, distilled.....	1909	33	264	26	45	193	1,360	2,476	56	128	835	5,353	4,518
	1904	28	131	18	37	76	683	1,028	36	50	375	1,165	790
	1899	8	29	9	.....	20	.....	77	.....	6	191	238	47
Liquors, malt.....	1909	83	1,026	48	282	1,296	8,867	18,804	545	1,391	2,559	9,319	6,760
	1904	97	1,511	92	214	1,205	5,924	10,925	355	1,145	2,250	7,511	5,261
	1899	99	1,180	105	125	950	3,605	8,183	213	753	1,277	5,085	3,808
Liquors, vinous.....	1909	181	1,691	157	247	1,287	5,314	20,189	429	682	4,674	8,937	4,263
	1904	273	1,588	240	202	1,146	5,067	10,181	230	656	3,669	6,689	3,020
	1899	187	804	172	106	526	.....	4,659	124	225	2,527	3,938	1,411
Lumber and timber products.....	1909	644	25,079	547	1,597	22,935	94,914	55,165	2,237	15,651	18,369	45,000	26,631
	1904	682	20,612	545	1,148	18,919	71,011	37,904	1,432	12,789	11,529	34,615	23,086
	1899	435	.....	.....	599	13,285	44,129	19,280	666	6,643	8,092	20,304	12,212
Marble and stone work.....	1909	128	1,724	155	154	1,415	3,562	3,145	210	1,241	1,183	3,380	2,197
	1904	69	992	84	71	837	1,324	1,814	83	807	1,005	2,395	1,390
	1899	48	.....	.....	39	566	723	1,009	44	413	368	1,122	754
Mattresses and spring beds.....	1909	35	671	25	118	528	727	1,351	149	361	1,243	2,164	921
	1904	31	520	34	63	423	336	592	65	237	475	1,010	535
	1899	10	.....	.....	16	128	.....	129	20	54	230	414	184
Paint and varnish.....	1909	35	530	14	120	396	1,387	2,675	158	275	2,652	3,758	1,106
	1904	22	395	11	89	293	614	1,617	86	201	1,678	2,370	692
	1899	14	227	11	39	177	.....	1,022	48	108	942	1,259	317

¹ Excluding statistics for one establishment, to avoid disclosure of individual operations.

² Excluding statistics for two establishments, to avoid disclosure of individual operations.

³ Not reported separately.

TABLE I.—COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899—Continued.

## THE STATE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY.	Census.	Number of establishments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse-power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
			Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number).							
Expressed in thousands.													
STATE—Continued.													
Paper and wood pulp .....	1909	4	340	2	26	312	7,163	\$2,068	\$36	\$207	\$440	\$969	\$529
	1904	3	273	2	12	259	3,808	1,176	20	181	274	640	366
	1899												
Patent medicine and compounds and druggists' preparations.	1909	89	574	56	208	310	347	994	212	148	639	1,549	910
	1904	89	548	64	140	344	124	905	162	175	533	1,445	912
	1899	62			102	364		950	95	168	754	1,562	808
Petroleum, refining.....	1909	29	1,146	4	212	930	5,630	13,881	367	801	13,898	17,878	3,980
	1904	19	840		162	678	1,283	5,453	212	477	4,131	5,749	1,818
	1899	4	72		19	63	180	478	40	42	490	698	208
Pottery, terra-cotta, and fire-clay products.	1909	26	1,167	12	128	1,027	2,856	3,545	184	641	505	1,797	1,292
	1904	22	941	10	71	860	2,195	3,484	99	555	396	1,761	1,365
	1899	18	448	16	41	391	1,084	1,307	59	246	261	751	490
Printing and publishing.....	1909	1,240	12,215	1,151	3,508	7,556	7,674	17,198	3,829	6,432	6,327	25,032	18,705
	1904	1,091	10,444	1,052	2,312	7,080	6,238	11,746	2,315	5,182	4,525	19,127	14,602
	1899	783			1,048	4,957		7,037	1,060	3,001	2,606	10,586	7,960
Salt.....	1909	19	469	22	45	402	1,228	2,023	56	212	242	746	504
	1904	26	376	25	38	313	756	1,277	34	138	120	429	309
	1899	24	332	28	37	267		758	37	110	117	380	263
Slaughtering and meat packing.....	1909	94	2,135	111	383	1,641	3,867	11,463	550	1,307	28,448	34,280	5,832
	1904	76	1,659	84	288	1,287	2,093	4,879	351	914	18,752	22,013	3,261
	1899	64			182	939		3,952	255	553	13,616	15,817	2,201
Stoves and furnaces, including gas and oil stoves.	1909	17	266	11	40	215	152	413	43	174	206	514	308
	1904	7	189	7	15	167	138	156	13	90	98	279	181
	1899												
Sulphuric, nitric, and mixed acids.....	1909	6	247		30	217	735	2,614	57	173	740	1,161	421
	1904	4	258		21	237	616	1,525	44	158	596	915	319
	1899												
Tobacco manufactures.....	1909	332	2,189	613	111	1,465	71	1,822	133	857	1,217	3,360	2,143
	1904	379	2,552	695	72	1,785	22	1,245	66	823	1,097	3,192	2,095
	1899	231	1,628	346	47	1,235		756	55	493	741	1,888	1,147
All other industries.....	1909	976	17,949	995	2,613	14,341	50,707	153,969	3,761	10,603	98,545	131,833	33,288
	1904	932	18,378	965	2,120	15,293	40,220	51,664	2,758	10,008	72,067	97,731	25,664
	1899	813			1,297	13,872		48,720	1,553	7,778	67,563	87,463	19,900

## CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES.

<b>LOS ANGELES—All industries.</b>													
	1909	1,325	21,876	1,181	3,387	17,327	33,168	\$59,518	\$3,912	\$12,589	\$38,913	\$88,586	\$29,673
	1904	814	15,189	761	2,004	10,424		28,811	1,987	7,088	18,639	34,814	18,128
	1899	534			717	5,173		10,045	671	2,600	8,088	15,134	7,048
Artificial stone.....	1909	8	97	11	6	80	15	70	9	66	31	147	116
	1904	3	78		9	69		100	9	43	52	129	77
	1899												
Boots and shoes, including cut stock and findings.	1909	4	36	3	4	31	44	62	6	24	35	75	40
	1904	3	10			7		4		3	5	14	9
	1899												
Brass and bronze products.....	1909	8	70	7	8	55	99	86	12	46	60	192	132
	1904	14	58	5	6	47		34	6	28	39	106	67
	1899												
Bread and other bakery products.....	1909	159	1,445	176	163	1,106	901	1,887	200	762	2,870	4,070	1,800
	1904	75	538	88	38	419		531	50	272	1,027	1,744	717
	1899	51	307	60	40	208		239	21	111	331	660	329
Brick and tile.....	1909	8	412		21	391	1,451	1,433	32	215	233	658	425
	1904	7	211		21	383		713	22	202	183	477	374
	1899	6	123	5	8	110		169	7	43	21	111	90
Brooms and brushes.....	1909	8	63	8	3	52	26	116	2	28	36	151	65
	1904	4	46			45		43		22	44	84	40
	1899	4	38	3	3	32		25	3	13	34	57	23
Butter, cheese, and condensed milk.....	1909	4	61		17	44	168	172	20	36	1,307	1,417	110
	1904	5	96		5	35		202	6	42	638	877	119
	1899	3	35	3	8	24		37	6	13	206	250	44
Canning and preserving.....	1909	21	479	20	50	406	471	963	64	175	771	1,255	484
	1904	14	368	7	47	314		639	51	117	521	821	300
	1899	7			14	370		224	14	88	382	556	174
Carriages and wagons and materials....	1909	23	195	24	11	160	102	305	8	119	252	481	229
	1904	18	144	19	5	120		73	3	84	104	305	201
	1899	10				81		49		36	55	126	71
Cars and general shop construction and repairs by steam-railroad companies.	1909	4	1,938		51	1,887	1,083	741	58	1,632	1,601	3,362	1,761
	1904	3	1,437		33	1,494		957	40	1,159	334	1,550	1,216
	1899	3	558		21	637		349	28	392	280	715	435

<sup>1</sup> Figures can not be shown without disclosing individual operations.

<sup>2</sup> Excluding statistics for one establishment, to avoid disclosure of individual operations.

<sup>3</sup> Not reported separately.

<sup>4</sup> Excluding statistics for two establishments, to avoid disclosure of individual operations.



TABLE I.—COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899—Continued.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY.	Census.	Number of establishments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse-power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
			Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number).							
Expressed in thousands.													
LOS ANGELES—Continued.													
Clothing, men's, including shirts.....	1909	15	505	19	34	452	99	\$229	\$32	\$186	\$486	\$822	\$336
	1904	19	258	12	8	238	.....	29	6	89	165	299	134
	1899	19	178	17	6	155	.....	20	4	40	215	322	107
Clothing, women's.....	1909	12	199	15	23	161	42	131	26	72	154	321	167
	1904	4	59	7	10	42	.....	16	7	24	41	88	47
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Coffee and spice, roasting and grinding.	1909	11	164	6	68	90	241	700	85	67	802	1,150	348
	1904	9	62	11	10	41	.....	200	12	29	347	497	150
	1899	8	38	9	8	21	.....	112	7	9	181	245	64
Confectionery.....	1909	11	163	11	32	120	30	158	29	48	204	343	139
	1904	13	394	17	39	338	.....	568	55	150	533	954	421
	1899	13	.....	.....	41	215	.....	290	37	71	361	667	306
Cooperage and wooden goods, not elsewhere specified.	1909	6	44	7	4	33	89	113	6	25	106	139	33
	1904	3	55	1	4	50	.....	64	5	28	171	232	61
	1899	3	36	4	1	31	.....	48	1	19	71	133	62
Copper, tin, and sheet-iron products....	1909	53	439	59	28	352	147	688	38	250	611	1,124	513
	1904	124	243	30	12	201	.....	269	12	150	244	515	271
	1899	114	.....	.....	12	293	.....	411	15	115	434	707	273
Electrical machinery, apparatus, and supplies.	1909	12	104	4	21	79	104	138	25	52	97	211	114
	1904	6	167	2	44	121	.....	265	43	84	174	400	226
	1899	3	47	1	11	35	.....	56	13	29	16	67	51
Fancy articles, not elsewhere specified..	1909	9	36	11	2	23	50	32	1	14	9	43	34
	1904	9	61	14	4	43	.....	39	2	22	17	71	54
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Flour-mill and gristmill products.....	1909	7	194	.....	59	135	1,260	2,676	99	95	4,830	6,347	517
	1904	8	165	2	53	110	.....	1,809	75	81	2,364	2,799	435
	1899	10	113	5	29	79	.....	607	41	41	1,022	1,223	201
Food preparations.....	1909	22	187	26	30	131	236	338	28	63	376	580	204
	1904	10	80	18	7	55	.....	66	6	24	50	118	68
	1899	7	27	10	3	14	.....	31	.....	4	36	56	20
Foundry and machine-shop products...	1909	113	2,849	64	343	2,422	3,852	7,263	437	1,897	3,755	7,777	4,022
	1904	58	1,489	56	152	1,281	.....	2,911	188	968	1,606	3,557	1,951
	1899	37	.....	.....	78	560	.....	1,032	71	364	779	1,565	786
Furniture and refrigerators.....	1909	42	469	42	47	380	584	586	51	310	354	941	587
	1904	28	386	27	34	325	.....	547	41	222	494	880	386
	1899	8	133	9	19	105	.....	106	7	47	126	230	104
Gas and electric fixtures and lamps and reflectors.	1909	15	288	7	85	196	230	510	105	162	267	670	403
	1904	4	21	4	4	13	.....	19	3	9	16	40	24
	1899	5	63	3	8	52	.....	66	10	34	38	123	85
Hand stamps and stencils and brands...	1909	3	41	3	16	22	18	55	18	17	22	92	70
	1904	5	29	3	8	18	.....	30	7	9	5	40	35
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ice, manufactured.....	1909	6	321	.....	49	272	2,206	2,702	81	224	142	765	623
	1904	5	164	.....	20	144	.....	1,272	23	114	91	470	379
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jewelry.....	1909	16	112	21	19	72	37	153	21	55	102	246	144
	1904	9	77	10	10	57	.....	55	8	47	44	151	107
	1899	3	.....	.....	2	7	.....	46	2	7	30	61	31
Leather goods.....	1909	32	322	28	79	215	70	602	70	117	402	757	355
	1904	24	236	19	42	175	.....	371	45	101	296	584	288
	1899	11	125	13	10	102	.....	66	10	33	32	126	94
Liquors, malt.....	1909	4	290	.....	48	242	1,682	3,846	97	258	362	1,457	1,095
	1904	3	217	.....	37	180	.....	1,867	64	141	227	798	571
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Liquors, vinous.....	1909	13	40	15	2	23	116	270	1	13	42	136	94
	1904	10	55	10	4	41	.....	391	3	22	80	164	84
	1899	16	67	17	4	46	.....	197	2	18	89	136	47
Lumber and timber products.....	1909	61	1,816	45	213	1,558	6,207	3,791	226	1,108	3,529	5,684	2,155
	1904	40	1,024	34	102	888	.....	1,756	122	584	1,597	2,700	1,103
	1899	24	416	21	46	349	.....	826	45	173	490	912	422
Marble and stone work.....	1909	14	108	22	11	75	258	222	9	72	116	267	141
	1904	16	46	8	4	34	.....	40	6	36	26	96	70
	1899	6	36	7	3	26	.....	27	4	15	27	62	35
Mattresses and spring beds.....	1909	11	214	9	37	168	187	399	46	115	495	787	292
	1904	8	100	12	17	71	.....	100	11	47	159	267	108
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Models and patterns, not including paper patterns.	1909	6	20	7	.....	13	33	8	.....	7	6	28	22
	1904	9	26	11	.....	15	.....	9	.....	10	5	31	26
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Paint and varnish.....	1909	6	67	3	29	35	158	305	33	30	358	494	136
	1904	3	22	3	9	10	.....	116	8	9	81	120	39
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

1 Excluding statistics for two establishments, to avoid disclosure of individual operations.

2 Figures can not be shown without disclosing individual operations.

3 Excluding statistics for one establishment, to avoid disclosure of individual operations.

TABLE I.—COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899—Continued.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY.	Census.	Number of establishments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse-power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.	
			Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number).								
Expressed in thousands.														
LOS ANGELES—Continued.														
Patent medicines and compounds and druggists' preparations.	1909 1904 1899	35 125 21	144 77 97	26 15 27	27 23 17	91 39 53	62	\$140 68 79	\$26 17 12	\$43 16 23	\$140 56 54	\$337 153 154	\$197 97 100	
Petroleum, refining.	1909 1904 1899	10 6 1	133 82		33 23	100 59	430	1,312 529	66 34	82 49	1,135 321	1,406 461	271 140	
Pottery, terra-cotta, and fire-clay products.	1909 1904 1899	8 9 7	122 174 72	7 4 6	17 20 5	98 150 57	315	536 940 295	26 24 11	61 99 32	86 128 48	235 352 105	149 224 57	
Printing and publishing.	1909 1904 1899	234 154 93	2,545 2,061	196 136	812 743 538	1,537 1,182 538	1,220	3,036 2,272 1,022	879 591 116	1,188 905 286	1,619 950 326	5,192 3,508 1,353	3,573 2,558 1,027	
Slaughtering and meat packing.	1909 1904 1899	6 4 3	605 407	3 3	95 51	507 353	747	3,569 1,062	148 69	324 231	5,946 3,668	7,464 4,040	1,518 372	
Surgical appliances and artificial limbs.	1909 1904 1899	6 3 3	31 37 3	4 4 3	6 11 7	21 22 7	8	18 61 4	6 7 7	14 13 4	15 14 2	49 46 32	34 32 12	
Tobacco manufactures.	1909 1904 1899	33 32 13	225 146 49	38 33 13	11 8 1	176 105 35		174 54 24	20 9 1	91 69 22	134 82 18	344 208 59	210 128 41	
All other industries.	1909 1904 1899	246 140 156	4,280 1,593	214 118	753 304 1,631	3,313 1,171 1,631	8,088	18,983 7,090 3,588	766 306 183	2,485 734 518	4,965 1,850 2,384	10,980 4,268 4,539	6,015 2,418 1,955	
OAKLAND—All industries.														
	1909 1904 1899	441 248 195	8,538 3,980	554 237 264	1,079 390 2,476	6,905 3,353 2,476	13,683	\$19,113 \$126 \$173	\$1,300 408 248	\$5,317 2,083 1,210	\$11,847 4,307 2,704	\$22,343 9,015 5,368	\$10,496 4,708 2,664	
Bread and other bakery products.	1909 1904 1899	57 36 32	447 238 191	69 39 39	66 23 16	312 176 136	203	599 146 111	54 11 8	254 139 78	835 368 197	1,420 668 362	585 300 165	
Butter, cheese, and condensed milk.	1909 1904 1899	4 7 4	73 36 8	1 5 4	19 8 4	53 23 4	56	166 51 5	28 8 3	35 18 3	637 273 42	742 334 52	105 62 10	
Canning and preserving.	1909 1904 1899	9 5 3	469 35 14	11 7 6	33 6 1	425 22 7	166	974 53 8	44 5 1	173 8 2	674 43 10	1,040 67 18	366 24 8	
Carriages and wagons and materials.	1909 1904 1899	10 4 10	65 49 10	10 11 10	10 38 45	45 176 45	191	110 146 71	9 5 1	36 27 26	68 41 26	158 101 86	100 60 60	
Confectionery.	1909 1904 1899	6 7 6	127 142 127	6 10 10	49 15 117	72 117	8	146 80 13	33 13 48	36 103 107	107 103 214	222 214 111	115 111	
Copper, tin, and sheet-iron products.	1909 1904 1899	12 4 3	85 70 3	19 5 14	11 5 14	55 60 14	52	98 102 109	14 7 12	52 62 10	81 107 28	180 240 13	99 133 18	
Flour-mill and gristmill products.	1909 1904 1899	3 4 3	52 47 36		16 9 31	36 31 31	228	326 293 76	20 12 23	39 39 144	613 475 208	691 429 144	78 33 64	
Food preparations.	1909 1904 1899	6 5 5	53 11 7	8 7 7	17 4 4	28 4	41	70 3 3	18 2 2	19 13 2	133 13 25	211 13 25	81 12	
Foundry and machine-shop products.	1909 1904 1899	44 13 16	891 265 16	39 9 28	105 29 747	747	993	2,358 448 491	132 26 31	681 160 148	666 218 248	1,824 417 515	1,158 257 267	
Liquors, malt.	1909 1904 1899	4 3 3	95 27 26	1 1 3	16 3 17	78 23 17	652	734 687 133	35 23 17	84 49 36	158 29 36	668 170 133	510 30 97	
Lumber and timber products.	1909 1904 1899	31 121 113	914 747 362	21 19 19	85 19 208	303 151 842	3,421	1,716 1,217 561	126 69 25	702 141 195	1,198 587 733	2,183 1,537 730	985 730	
Pottery, terra-cotta, and fire-clay products.	1909 1904 1899	3 3 3	45 53 3	2 3 6	6 6 54	37 37 54	210	172 111 6	9 11 34	27 17 19	17 19 98	66 66 98	49 79	
Printing and publishing.	1909 1904 1899	70 39 26	612 333 267	65 33 26	216 52 274	331 282 274	540	1,120 374 593	229 62 128	357 174 117	255 580 117	1,292 580 550	1,037 464 433	
Tobacco manufactures.	1909 1904 1899	27 17 12	183 58 29	78 18 13	4 1 16	101 39 16	2	86 39 19	7 2 9	50 23 13	74 51 40	183 101 27	109 50 27	
All other industries.	1909 1904 1899	155 74 70	4,427 1,802	224 69	426 152 1,319	3,777 1,638 1,319	6,920	10,438 5,448 3,086	542 183 120	2,771 888 568	6,331 2,434 1,457	11,450 4,034 2,643	5,119 2,223 1,506	

1 Excluding statistics for two establishments, to avoid disclosure of individual operations.

2 Figures can not be shown without disclosing individual operations.

3 Excluding statistics for one establishment, to avoid disclosure of individual operations.

4 Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city.

TABLE I.—COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899—Continued.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY.	Census.	Number of establishments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse-power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
			Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number).							
Expressed in thousands.													
<b>SAN FRANCISCO—All industries.</b>	1909	1,798	38,910	2,644	6,122	28,244	49,934	\$133,824	\$5,088	\$22,381	\$76,217	\$133,041	\$58,824
	1904	2,251	46,668	3,947	5,130	38,429	61,231	152,362	6,650	25,015	75,944	137,788	61,842
	1899	1,748	35,413	2,413	5,413	32,555	49,934	69,643	3,929	17,289	65,535	107,024	41,489
Artificial stone.....	1909	10	80	12	9	68	26	78	9	61	50	151	101
	1904	5	31	6	1	24	15	12	1	23	12	41	29
	1899	5	31	6	1	24	15	12	1	23	12	41	29
Baskets, and rattan and willow ware...	1909	7	129	7	5	117	23	107	11	49	118	211	93
	1904	7	40	8	1	31	11	11	1	13	22	37	15
	1899	8	102	7	2	93	11	81	3	27	70	145	75
Balting and hose, leather.....	1909	5	52	1	18	33	37	173	26	26	182	291	109
	1904	5	60	4	20	36	23	190	23	26	221	334	113
	1899	5	5	12	40	40	181	181	11	26	182	288	106
Boots and shoes, including cut stock and findings.	1909	8	425	73	31	321	131	672	36	204	553	976	423
	1904	215	643	54	41	548	190	1,002	41	313	788	1,288	577
	1899	26	987	79	48	860	181	1,181	46	403	949	1,627	673
Boxes, fancy and paper.....	1909	10	321	6	34	281	225	311	41	141	221	496	275
	1904	12	333	10	27	356	29	372	29	127	210	448	238
	1899	8	258	13	12	233	132	132	10	79	114	274	160
Brass and bronze products.....	1909	13	154	13	20	121	131	183	22	116	164	356	192
	1904	115	384	14	46	324	123	723	65	223	275	806	331
	1899	11	364	13	24	327	743	743	32	210	384	768	384
Bread and other bakery products.....	1909	167	1,665	263	199	1,203	786	3,513	238	1,003	2,965	5,268	2,303
	1904	184	1,722	233	123	1,366	1,000	1,682	982	2,548	4,882	2,334	1,556
	1899	137	1,048	161	90	797	976	976	60	417	1,508	2,601	1,093
Brooms and brushes.....	1909	9	138	45	8	85	18	82	4	46	129	206	77
	1904	11	136	45	3	88	12	56	2	47	83	169	86
	1899	15	136	19	14	111	113	113	15	71	120	255	135
Butter, cheese, and condensed milk.....	1909	7	8	3	5	4	4	11	4	3	35	47	12
	1904	7	20	7	10	10	79	79	6	6	333	396	63
	1899	5	18	8	10	10	31	31	4	7	63	67	14
Canning and preserving.....	1909	17	1,611	7	101	903	666	3,343	171	382	3,482	4,776	1,224
	1904	33	1,735	33	109	1,593	719	2,719	107	554	3,080	4,636	1,556
	1899	34	1,660	86	1,660	1,660	1,080	1,080	105	489	2,377	3,513	1,136
Carriages and wagons and materials.....	1909	37	311	43	31	237	248	457	36	204	191	552	361
	1904	63	502	74	23	405	782	782	29	304	912	593	593
	1899	47	351	23	351	351	574	574	27	179	263	673	410
Chemicals.....	1909	4	139	19	19	120	720	1,425	24	93	628	938	310
	1904	6	150	3	21	126	78	875	27	88	547	764	317
	1899	10	188	7	37	144	890	890	41	96	653	955	302
Clothing, men's, including shirts.....	1909	50	1,903	251	132	1,522	335	1,637	126	727	2,106	3,682	1,576
	1904	84	2,831	271	122	2,438	1,438	1,438	115	1,028	2,530	4,804	2,271
	1899	91	2,604	72	2,604	2,604	1,158	1,158	72	853	2,371	4,138	1,767
Clothing, women's.....	1909	41	835	199	66	570	83	493	71	252	647	1,225	578
	1904	48	1,191	212	57	922	518	518	52	393	810	1,633	823
	1899	49	1,464	162	46	1,256	659	659	48	420	982	1,903	921
Coffee and spice, roasting and grinding..	1909	19	492	13	254	225	775	2,440	427	153	3,549	4,973	1,424
	1904	25	532	21	236	275	1,941	1,941	325	157	2,750	3,840	1,230
	1899	22	412	23	158	231	1,438	1,438	204	140	2,050	2,766	716
Coffins, burial cases, and undertakers' goods.	1909	4	78	2	15	61	151	432	16	39	152	272	120
	1904	5	68	1	6	61	182	182	9	34	106	212	106
	1899	4	66	2	9	55	205	205	14	24	172	259	87
Confectionery.....	1909	27	689	36	114	539	299	1,151	138	249	930	1,718	788
	1904	37	761	43	133	585	850	850	115	241	776	1,778	1,002
	1899	14	522	92	378	378	424	424	61	99	448	845	397
Cooperage and wooden goods, not elsewhere specified.	1909	11	321	8	31	282	861	1,197	53	220	1,194	1,604	410
	1904	15	416	14	28	374	671	671	41	287	874	1,340	466
	1899	23	370	23	12	335	386	386	14	217	823	1,200	377
Copper, tin, and sheet-iron products....	1909	71	1,336	130	138	1,068	681	5,191	202	947	1,872	3,645	1,773
	1904	50	1,614	63	85	1,466	8,924	8,924	193	901	2,641	4,529	1,888
	1899	27	1,063	63	1,420	1,420	2,170	2,170	66	715	2,987	4,399	1,412
Electrical machinery, apparatus, and supplies.	1909	10	160	7	24	129	114	163	30	77	113	322	179
	1904	13	294	2	59	233	302	302	59	134	149	420	271
	1899	5	212	2	17	193	59	59	15	96	274	406	132
Electroplating.....	1909	5	42	5	10	27	59	34	7	24	23	70	47
	1904	4	38	5	3	30	38	38	3	25	18	51	63
	1899	4	38	5	3	30	38	38	3	25	18	51	63
Flour-mill and gristmill products.....	1909	9	172	6	59	107	1,225	1,532	84	89	2,403	2,781	378
	1904	9	314	6	97	211	2,409	2,409	150	153	2,780	3,423	643
	1899	8	171	35	171	171	898	898	55	107	1,534	1,956	422
Food preparations.....	1909	31	499	61	108	330	900	1,956	129	192	1,679	2,426	757
	1904	38	379	65	53	261	1,359	1,359	47	114	637	999	392
	1899	28	231	23	219	219	312	312	21	107	409	747	338

1 Not reported separately.

2 Excluding statistics for one establishment, to avoid disclosure of individual operations.

3 Excluding statistics for two establishments, to avoid disclosure of individual operations.

4 Figures can not be shown without disclosing individual operations.

TABLE I.—COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899—Continued.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY.	Census.	Num-ber of estab-lish-ments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse-power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manu-facture.
			Total.	Pro-prietors and firm mem-bers.	Salaried employ-ees.	Wage earners (average num-ber).							
Expressed in thousands.													
SAN FRANCISCO—Continued.													
Foundry and machine-shop products...	1909	157	3,456	129	504	2,823	6,714	\$10,849	\$735	\$2,590	\$4,901	\$9,622	\$4,721
	1904	172	4,552	153	514	3,885		10,038	731	2,919	4,273	10,525	6,252
	1899	130			360	3,509		5,616	444	2,324	4,107	9,137	5,030
Furnishing goods, men's.....	1909	3	109	4	28	77	3	242	21	43	368	564	196
	1904	4	85	6	8	71		45	7	31	144	231	87
	1899	14			53	578		271	38	129	361	656	295
Furniture and refrigerators.....	1909	51	1,223	51	124	1,048	1,237	2,180	142	1,017	1,336	3,057	1,721
	1904	45	890	40	62	788		1,534	68	616	743	1,836	1,093
	1899	22	555	26	33	496		348	33	270	396	880	484
Gas and electric fixtures and lamps and reflectors.	1909	15	428	7	100	321	271	1,129	114	257	430	917	487
	1904	18	285	7	48	231		389	46	160	177	461	284
	1899	5	190	3	38	149		361	45	86	127	330	203
Gloves and mittens, leather.....	1909	9	165	10	27	128	16	324	19	79	148	301	153
	1904	15	356	16	28	312		399	26	148	305	613	308
	1899	15	469	19	50	400		298	40	158	319	664	345
Hand stamps and stencils and brands..	1909	7	94	8	32	54	55	110	37	52	44	161	117
	1904	8	46	9	7	30		35	6	21	18	90	72
	1899	12	60	10	9	41		48	9	24	24	80	56
Ice, manufactured.....	1909	3	80		13	67	1,485	1,659	23	69	73	302	229
	1904	4	93		9	84		816	11	76	68	278	210
	1899	3	80		30	50		510	28	40	44	134	90
Jewelry.....	1909	24	587	125	32	430	248	221	37	357	502	1,121	619
	1904	36	510	113	24	373		260	30	319	630	1,254	634
	1899	18			14	214		141	15	153	370	631	261
Leather goods.....	1909	20	357	17	50	290	165	725	55	204	348	843	495
	1904	34	497	38	41	418		1,264	47	272	535	1,103	568
	1899	30			59	468		899	53	243	542	1,055	513
Leather, tanned, curried, and finished...	1909	17	619	15	46	558	1,260	2,479	89	415	2,655	3,622	967
	1904	21	667	30	42	695		1,788	70	378	1,910	2,718	808
	1899	21	624	29	25	570		1,232	37	365	2,219	2,795	576
Liquors, malt.....	1909	20	551	6	108	437	1,701	7,567	220	508	895	3,482	2,587
	1904	22	693	13	106	574		4,946	190	594	1,147	4,106	2,959
	1899	25	530	23	64	443		4,722	128	398	710	2,872	2,162
Liquors, vinous.....	1909	4	36	5	10	21	31	138	18	14	135	237	102
	1904	5	17	9	8	8		23		4	15	54	39
	1899	6	13	8	1	4		20	1	2	12	27	15
Lumber and timber products.....	1909	68	1,667	47	181	1,439	6,435	2,833	275	1,347	2,133	4,378	2,245
	1904	152	1,584	45	119	1,420		1,787	155	1,105	2,005	3,980	1,975
	1899	133	1,001	31	74	896		920	86	555	1,126	2,187	1,061
Marble and stone work.....	1909	18	598	16	94	488	1,227	1,221	133	413	797	1,635	838
	1904	18	628	18	49	561		1,265	62	524	778	1,665	887
	1899	14			17	155		557	21	98	229	452	223
Mattresses and spring beds.....	1909	12	320	6	58	256	365	783	78	173	576	1,036	460
	1904	16	386	13	44	329		469	52	179	294	686	392
	1899	4			16	80		98	20	39	180	300	120
Millinery and lace goods.....	1909	12	140	12	22	106	97	212	21	61	148	269	121
	1904	11	193	9	11	173		92	8	63	96	223	127
	1899	8	117	8	7	102		31	6	30	33	103	70
Models and patterns, not including paper patterns.	1909	14	101	20	6	75	131	58	3	66	45	153	108
	1904	13	100	17	8	75		80	8	60	28	139	111
	1899	8	64	10		54		31		31	16	76	60
Musical instruments, pianos and organs and materials.	1909	7	27	8	4	15	6	60	3	18	14	54	40
	1904	9	33	8	4	21		79	4	16	19	53	34
	1899	4				18		40		14	11	47	36
Paint and varnish.....	1909	13	142	8	49	85	352	729	57	60	456	758	302
	1904	13	355	8	77	270		1,395	75	184	1,564	2,197	633
	1899	9	71	4	31	36		284	34	22	368	448	140
Patent medicines and compounds and druggists' preparations.	1909	28	330	11	151	168	131	644	154	82	380	989	609
	1904	47	420	32	104	284		728	135	148	435	1,170	735
	1899	26			77	279		629	70	131	690	1,346	656
Photo-engraving.....	1909	9	140	4	41	95	41	108	38	105	34	228	194
	1904	16	162	18	26	118		101	26	103	50	265	215
	1899	8	80	8	8	64		16	10	30	9	76	67
Printing and publishing.....	1909	307	5,180	260	1,588	3,332	3,386	7,101	1,895	3,094	3,156	12,201	9,045
	1904	*361	4,898	318	977	3,603		5,548	1,237	2,788	2,869	10,847	8,188
	1899	250			634	2,688		3,364	676	1,827	1,769	6,334	4,565

\* Excluding statistics for two establishments, to avoid disclosure of individual operations.

\* Excluding statistics for one establishment, to avoid disclosure of individual operations.

## STATISTICS OF MANUFACTURES.

705

TABLE I.—COMPARATIVE SUMMARY FOR 1909, 1904, AND 1899—Continued.

CITIES OF 50,000 INHABITANTS OR MORE—ALL INDUSTRIES COMBINED AND SELECTED INDUSTRIES—Continued.

INDUSTRY AND CITY.	Census.	Number of establishments.	PERSONS ENGAGED IN INDUSTRY.				Primary horse-power.	Capital.	Salaries.	Wages.	Cost of materials.	Value of products.	Value added by manufacture.
			Total.	Proprietors and firm members.	Salaried employees.	Wage earners (average number).							
Expressed in thousands.													
SAN FRANCISCO—Continued.													
Show cases.....	1909	4	27	5	3	19	23	\$34	\$3	\$21	\$28	\$93	\$35
	1904	4	16	6		10		15		10	12	36	24
	1899	3	23	4		19		8		11	10	32	22
Slaughtering and meat packing.....	1909	31	471	47	83	341	1,083	2,056	135	337	8,904	10,270	1,366
	1904	44	464	58	90	316		1,278	111	272	7,688	9,209	1,521
	1899	30			80	260		1,385	112	211	6,715	7,590	875
Tobacco manufactures.....	1909	91	1,111	286	75	750	69	855	85	424	614	1,833	1,219
	1904	172	1,758	459	48	1,253		777	45	481	652	2,028	1,376
	1899	105	1,222	208	37	977		504	49	350	542	1,366	824
All other industries.....	1909	284	7,980	246	1,287	6,467	14,904	62,926	1,795	5,168	23,681	37,949	14,268
	1904	410	12,723	410	1,449	10,864		41,110	1,872	7,373	27,319	44,199	16,880
	1899	368			818	8,484		33,619	1,651	4,936	25,943	37,621	11,678

## CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

Alameda.....	1909	51	1,076	59	111	915	1,526	\$3,002	\$171	\$797	\$929	\$2,554	\$1,625
	1904	30	326	32	15	279	.....	641	20	241	607	1,484	.....
	1899	23	.....	.....	23	372	.....	749	43	216	788	1,335	547
Bakersfield.....	1909	27	844	20	78	746	910	1,791	94	664	1,700	2,819	1,119
	1904	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Berkeley.....	1909	84	1,420	115	221	1,084	2,433	3,465	254	840	2,687	4,435	1,748
	1904	44	453	28	87	338	.....	1,429	86	230	782	1,474	692
	1899	22	.....	.....	19	211	.....	456	14	99	392	651	259
Eureka.....	1909	48	1,075	30	99	946	3,901	3,306	124	673	1,494	3,012	1,518
	1904	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fresno.....	1909	76	2,262	43	281	1,938	3,403	4,933	328	1,103	7,992	11,090	3,098
	1904	80	2,169	51	203	1,915	.....	3,430	264	1,062	6,828	9,754	2,926
	1899	62	.....	.....	87	819	.....	1,435	86	392	1,703	2,752	1,049
Long Beach.....	1909	51	413	49	87	277	1,450	1,326	87	207	498	927	429
	1904	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pasadena.....	1909	88	708	92	117	499	969	1,347	118	380	833	1,724	871
	1904	46	451	49	84	318	.....	766	80	229	421	967	546
	1899	28	.....	.....	22	177	.....	313	15	77	127	331	204
Pomona.....	1909	30	285	32	29	224	334	630	22	152	230	560	330
	1904	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Redlands.....	1909	37	260	36	77	147	439	1,104	47	100	239	518	279
	1904	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Riverside.....	1909	53	399	56	76	267	700	1,102	50	214	667	1,178	511
	1904	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Sacramento.....	1909	211	5,266	219	533	4,514	8,517	10,097	616	3,918	6,893	13,977	7,084
	1904	156	4,742	164	375	4,203	.....	7,359	419	2,952	5,144	10,073	4,929
	1899	111	.....	.....	170	3,686	.....	6,856	202	2,519	5,345	9,495	4,150
San Bernardino.....	1909	41	883	38	116	729	1,411	1,242	94	639	763	1,660	897
	1904	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
San Diego.....	1909	117	1,440	99	270	1,071	3,269	5,326	263	806	2,667	4,741	2,074
	1904	89	703	97	65	541	.....	1,901	60	392	1,136	1,974	838
	1899	57	.....	.....	43	255	.....	990	42	148	281	670	389
San Jose.....	1909	153	1,828	134	264	1,430	2,078	3,815	249	903	3,243	5,610	2,367
	1904	153	1,625	145	220	1,260	.....	3,083	190	682	2,512	4,298	1,786
	1899	124	.....	.....	189	1,221	.....	2,980	146	567	1,850	3,292	1,442
Santa Barbara.....	1909	51	382	43	74	265	491	895	63	197	696	1,169	473
	1904	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Santa Cruz.....	1909	34	388	31	83	274	1,827	2,605	77	211	668	1,161	403
	1904	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stockton.....	1909	144	2,039	141	304	1,594	5,016	8,250	376	1,306	8,320	11,849	3,529
	1904	110	1,582	105	144	1,333	.....	5,220	165	904	5,850	8,029	2,179
	1899	91	.....	.....	137	1,185	.....	4,454	151	650	3,987	5,525	1,538
Vallejo.....	1909	23	271	22	46	203	1,616	1,559	75	184	1,404	1,896	492
	1904	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1899	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹ Excluding statistics for two establishments, to avoid disclosure of individual operations.

² Figures not available.

³ Figures do not agree with those published in 1904, because it was necessary to revise the totals in order to include data only for those establishments located within the corporate limits of the city.

TABLE II.—DETAIL STATEMENT FOR

INDUSTRY.		Number of establishments.	PERSONS ENGAGED IN INDUSTRY.										WAGE EARNERS—NUMBER DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Primary horse-power.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks.		Wage earners.				Total.	16 and over.		Under 16.				
						Male.	Female.	Average number.	Number.		Male.		Female.	Male.	Female.				
									Maximum month.	Minimum month.									
1	All industries.....	7,659	141,576	5,077	5,963	9,672	2,968	115,296	Se 132,280	Fe 94,232	(1)	(1)	(1)	(1)	(1)	329,100			
2	Agricultural implements.....	25	749	19	24	66	18	622	Ap 702	Au 513	668	668	1	2	1	1,186			
3	Artificial stone.....	66	434	71	31	8	4	320	De 347	Ja 278	363	361	17	3	2	247			
4	Automobiles, including bodies and parts.....	41	589	50	27	21	13	478	Jy 534	Ja 418	471	451	17	3	2	305			
5	Babbit metal and solder.....	5	81	11	11	11	7	52	My 59	Ja 48	52	52	63	140	1	91			
6	Baskets, and rattan and willow ware.....	14	242	11	7	3	2	219	My 297	Au 171	203	63	140	1	1	104			
7	Belting and hose, leather.....	5	52	1	8	8	2	33	Je 35	Ja 31	32	31	1	1	1	37			
8	Bicycles, motorcycles, and parts.....	5	19	6	1	1	1	11	No 13	Ja 10	13	12	1	3	1	32			
9	Blacking and cleansing and polishing preparations.....	9	40	5	6	7	1	21	De 27	Ja 18	27	18	6	3	3	36			
10	Boots and shoes, including cut stock and findings.....	18	840	76	18	37	14	695	No 754	Jy 542	791	547	199	38	7	369			
11	Boxes, cigar.....	3	57	3	3	1	1	49	Oc 52	Jy 45	52	29	23	1	1	29			
12	Boxes, fancy and paper.....	19	703	10	27	13	3	624	No 707	Ja 532	692	217	437	5	33	405			
13	Brass and bronze products.....	29	259	28	20	28	14	195	De 203	Ap 184	206	202	1	1	1	261			
14	Bread and other bakery products.....	864	5,801	1,077	150	268	288	4,018	Oc 4,154	Ja 3,903	4,359	3,501	818	22	18	2,517			
15	Brick and tile.....	78	1,879	35	85	46	10	1,703	Jy 2,223	Fe 941	1,801	1,778	1	22	1	8,972			
16	Brooms.....	16	219	54	4	5	1	155	Ja 164	Se 147	161	160	1	1	1	52			
17	Brushes.....	8	22	9	1	1	1	11	No 17	Jy 3	17	16	1	1	1	14			
18	Butter, cheese, and condensed milk.....	161	918	119	90	70	42	597	My 632	Ja 525	635	596	39	1	1	2,496			
19	Buttons.....	7	21	8	3	2	13	13	Ap 15	Fe 11	13	13	4	1	1	13			
20	Canning and preserving.....	196	8,714	148	285	382	142	7,757	Oc 16,047	Fe 2,781	15,034	6,231	8,472	117	214	7,453			
21	Carpets, rag.....	17	109	25	3	2	76	76	Oc 87	Ja 64	92	79	13	1	1	98			
22	Carriages and wagons and materials.....	155	1,015	185	42	12	16	760	Je 821	Ja 677	741	733	1	8	1	337			
23	Cars and general shop construction and repairs by steam-railroad companies.....	42	9,688	70	271	5	9,342	Oc 10,057	Fe 7,623	9,659	9,657	2	2	2	2	7,877			
24	Cars and general shop construction and repairs by street-railroad companies.....	21	2,002	35	59	6	1,902	Jy 1,985	Ja 1,835	1,911	1,911	1	1	1	1	2,055			
25	Cars, steam-railroad, not including operations of railroad companies.....	5	165	8	10	1	146	Je 172	Au 124	140	139	1	1	1	1	493			
26	Cement.....	8	2,521	24	83	7	2,407	No 2,843	Ja 1,481	2,541	2,837	10	4	4	4	28,892			
27	Chemicals.....	13	294	2	22	19	7	244	No 361	Mh 195	360	350	10	1	1	1,308			
28	Clothing, men's, including shirts.....	74	2,559	272	51	111	40	2,385	Mh 2,453	Ja 2,298	2,403	418	1,981	3	3	540			
29	Clothing, women's.....	64	1,197	313	27	41	25	791	No 842	Jy 684	862	575	584	3	1	1,132			
30	Coffee and spice, roasting and grinding.....	44	707	27	51	226	51	352	No 373	Fe 339	374	235	137	1	1	1,123			
31	Coffins, burial cases, and undertakers' goods.....	7	133	2	10	15	4	102	Ap 107	Jy 96	104	74	29	1	1	221			
32	Confectionery.....	89	1,410	102	60	116	130	1,002	De 1,269	Ja 850	1,285	475	785	9	16	582			
33	Cooperage and wooden goods, not elsewhere specified.....	38	502	40	21	15	10	416	Oc 490	Fe 336	492	489	2	1	1	1,192			
34	Copper, tin, and sheet-iron products.....	233	2,511	317	111	100	45	1,938	Jy 2,129	Ja 1,712	2,054	1,939	107	8	1	1,367			
35	Cutlery and tools, not elsewhere specified.....	16	58	15	1	1	42	42	No 52	Fe 39	51	49	2	2	2	71			
36	Dairymen's, poultrymen's, and apiarists' supplies.....	11	113	10	14	15	11	63	Mh 87	Se 42	87	84	3	1	1	76			
37	Electrical machinery, apparatus, and supplies.....	27	540	11	32	37	25	435	No 487	Se 407	489	366	121	2	2	442			
38	Electroplating.....	12	66	14	6	5	11	41	De 45	My 37	45	45	1	1	1	86			
39	Fancy articles, not elsewhere specified.....	13	54	17	3	1	30	30	My 33	Ja 23	36	21	11	3	1	56			
40	Fertilizers.....	15	278	1	19	28	4	226	Mh 263	Au 203	230	229	1	1	1	1,579			
41	Firearms and ammunition.....	5	192	19	14	3	156	Je 168	Fe 144	161	120	41	1	1	1	327			
42	Flags, banners, regalia, society badges, and emblems.....	6	54	3	5	4	2	40	Jy 44	Ja 38	43	26	16	1	1	23			
43	Flour-mill and gristmill products.....	125	1,392	82	125	203	34	948	No 1,069	Ap 889	1,087	1,064	23	3	3	11,545			
44	Food preparations.....	129	1,108	171	85	107	29	716	No 894	Ap 594	977	664	310	3	3	1,959			
45	Foundry and machine-shop products.....	543	10,218	470	536	652	183	8,377	De 8,723	Ja 7,517	8,875	8,817	16	42	1	17,233			
46	Fur goods.....	8	105	7	3	5	6	84	No 114	My 57	87	82	41	71	1	12			
47	Furnishing goods, men's.....	11	187	14	4	22	13	134	De 161	Ja 117	163	26	132	1	4	16			
48	Furniture and refrigerators.....	129	1,978	124	70	110	21	1,653	Mh 1,750	Jy 1,538	1,759	1,717	36	5	1	2,333			
49	Gas and electric fixtures and lamps and reflectors.....	41	785	31	59	102	40	553	De 665	Ap 485	665	626	15	22	2	540			
50	Gas, illuminating and heating.....	74	2,538	1	169	612	90	1,666	No 1,786	My 1,593	1,783	1,783	1	1	1	7,502			
51	Gloves and mittens, leather.....	23	717	21	29	64	33	570	De 644	Ja 501	652	256	386	6	4	58			
52	Hats and straps and stencils and brands.....	18	152	18	13	3	1	84	No 90	Jy 79	90	81	8	1	1	7			
53	Hats and caps, other than felt, straw, and wool.....	8	60	11	2	3	1	43	My 43	Ja 35	42	26	15	1	1	7			
54	Hosiery and knit goods.....	6	316	2	11	26	9	268	Au 289	My 248	284	40	242	1	2	44			
55	Ice, manufactured.....	77	854	35	79	60	14	666	Je 807	Fe 524	645	635	1	9	1	9,371			
56	Iron and steel, steel works and rolling mills.....	5	1,085	15	28	4	1,038	No 1,175	Jy 716	1,176	1,173	3	3	3	3	3,945			
57	Jewelry.....	58	797	165	22	25	11	574	De 655	Jy 526	656	600	35	19	2	324			
58	Lapidary work.....	14	103	14	8	9	5	67	Ja 94	Au 54	62	54	6	2	2	61			
59	Leather goods.....	88	946	79	50	89	18	710	No 772	Mh 638	775	635	129	10	1	323			
60	Leather, tanned, curried, and finished.....	40	1,547	20	70	42	17	1,398	Se 1,487	My 1,352	1,441	1,437	4	4	4	3,534			
61	Lime.....	15	459	12	14	17	6	410	Ap 475	De 303	319	319	319	319	319	558			
62	Liquors, distilled.....	33	264	26	21	18	6	193	Oc 273	My 130	305	305	264	41	41	1,360			
63	Liquors, malt.....	83	1,626	48	123	138	22	1,296	Jy 1,373	Fe 1,215	1,300	1,300	264	41	41	8,867			
64	Liquors, wine.....	181	1,601	157	129	80	38	1,287	Oc 2,808	Je 793	1,721	1,701	20	20	20	5,314			
65	Lumber and timber products.....	644	25,079	547	647	799	151	22,935	Jy 28,986	Ja 14,401	24,795	24,588	148	59	59	94,914			

\* No figures given for reasons explained in the Introduction.

# STATISTICS OF MANUFACTURES.

707

THE STATE, BY INDUSTRIES: 1909.

EXPENSES.														Value of products.	Value added by manufacture.
Capital.	Total.	Services.			Materials.		Miscellaneous.								
		Officials.	Clerks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.					
1	\$537,134,359	\$476,154,254	\$11,166,478	\$11,788,939	\$84,141,477	\$13,077,862	\$312,160,192	\$3,651,151	\$5,121,203	\$2,195,153	\$29,851,779	\$529,760,928	\$204,322,454		
2	2,359,158	2,245,031	58,499	64,688	451,083	31,830	1,409,348	870	17,508	3,703	207,511	2,669,651	1,228,473		
3	417,925	532,973	31,381	4,252	239,178	2,748	216,768	9,218	1,699	.....	271,229	643,246	423,730		
4	700,812	1,247,826	41,647	29,671	368,308	10,070	689,658	35,637	5,410	9,520	57,905	1,470,169	770,441		
5	547,052	1,043,329	45,550	21,547	39,778	9,451	837,408	11,462	1,537	.....	76,596	1,120,293	273,434		
6	241,702	317,844	13,131	4,183	94,670	2,156	178,188	7,998	1,415	126	15,977	337,375	177,061		
7	172,973	253,045	15,000	10,785	26,392	2,916	179,334	4,920	658	.....	13,040	291,449	109,199		
8	22,797	25,379	1,525	603	9,208	463	9,613	2,015	95	143	1,654	31,367	21,291		
9	26,834	57,124	5,605	6,160	11,916	586	21,125	3,844	109	.....	7,779	90,820	69,109		
10	1,192,217	1,718,523	42,450	46,891	402,488	12,422	1,107,402	18,000	3,788	.....	85,082	1,924,278	804,454		
11	42,843	81,290	5,400	2,040	20,300	900	46,646	1,440	481	.....	4,083	84,653	37,107		
12	730,934	903,560	47,310	39,121	271,420	8,675	433,158	30,863	2,218	1,369	69,426	904,983	523,150		
13	338,386	554,362	32,301	10,121	181,242	22,051	273,374	17,382	1,059	100	16,732	679,154	353,729		
14	8,055,919	15,381,414	272,397	390,836	3,074,892	323,288	10,054,077	364,438	42,043	185	858,998	17,709,633	7,332,268		
15	9,168,834	2,601,355	124,379	37,249	1,145,664	667,368	284,451	29,170	23,803	21,040	268,222	2,750,380	1,804,489		
16	211,870	342,823	2,930	2,388	84,133	1,801	228,872	3,932	824	36	17,907	388,117	157,444		
17	20,655	29,330	900	360	7,480	251	17,521	1,285	129	72	1,332	35,508	17,736		
18	2,829,359	12,108,671	113,755	88,940	466,252	93,642	11,046,158	40,123	12,268	23,031	315,892	12,760,670	1,620,970		
19	11,969	16,651	.....	5,564	156	7,174	2,592	100	.....	.....	1,065	27,351	20,051		
20	18,316,474	31,003,217	593,052	487,004	3,453,555	251,413	23,757,809	85,565	70,857	59,247	2,244,398	32,914,829	8,906,607		
21	58,096	70,166	5,400	3,692	40,772	1,061	9,670	2,896	228	.....	5,877	99,656	88,325		
22	1,635,359	1,681,714	57,312	16,592	609,720	45,633	803,433	61,348	9,068	11,303	67,305	2,632,434	1,203,368		
23	4,720,924	18,718,805	129,257	249,487	8,393,722	264,391	9,285,026	350	29,890	2,714	363,968	18,718,805	9,169,388		
24	2,138,838	3,009,473	50,831	46,553	1,075,985	32,830	1,119,008	900	19,970	200	63,196	3,009,473	1,857,635		
25	143,408	269,921	12,540	8,382	97,742	5,233	130,184	2,400	917	.....	12,823	299,967	164,550		
26	24,013,715	4,408,806	89,453	106,031	1,649,738	1,511,850	670,021	120	29,843	6,974	344,776	6,504,127	4,322,256		
27	2,788,028	1,155,870	40,160	25,505	168,190	71,461	690,124	720	12,873	.....	146,837	3,006,373	544,788		
28	2,257,530	4,615,767	83,232	118,113	1,650,366	21,815	2,873,081	80,753	9,880	112,186	266,241	5,120,509	2,225,613		
29	642,890	1,457,059	32,482	67,119	350,266	11,223	865,041	44,728	2,076	13,644	70,480	1,672,313	706,499		
30	3,322,698	6,055,341	126,094	406,014	244,771	37,308	4,579,856	74,968	14,818	.....	551,512	6,492,091	1,874,927		
31	736,204	390,900	15,291	17,148	67,134	3,953	237,399	4,800	3,938	4,170	37,067	436,826	195,474		
32	2,122,501	3,245,399	106,654	164,310	459,354	50,140	2,088,307	93,918	9,669	50	272,997	3,624,045	1,485,598		
33	1,645,578	2,076,259	41,804	25,478	323,357	8,693	1,570,518	15,548	6,925	2,224	88,712	2,167,222	588,011		
34	7,179,573	6,003,265	201,696	117,460	1,658,737	46,165	3,518,691	91,985	25,052	4,964	338,515	6,903,761	3,238,905		
35	81,892	72,321	375	.....	34,690	3,165	28,022	3,370	356	.....	2,943	93,647	62,460		
36	256,615	380,609	21,408	16,999	45,450	2,300	255,058	3,284	973	.....	35,137	414,519	157,161		
37	779,137	1,407,142	54,422	47,810	240,320	13,254	914,862	20,800	2,583	900	112,191	1,612,983	684,867		
38	47,387	80,290	4,276	3,857	33,922	5,362	22,832	4,989	210	.....	4,822	97,522	69,308		
39	63,740	44,718	2,711	1,680	17,448	1,794	11,035	3,944	312	.....	5,794	64,250	51,421		
40	2,086,654	2,167,719	38,066	34,169	154,802	28,746	1,707,032	16,041	10,235	.....	118,028	2,312,555	516,777		
41	2,168,686	1,350,874	37,214	14,899	83,409	14,809	1,152,093	.....	1,873	.....	46,487	1,576,798	409,806		
42	74,035	102,841	6,900	4,923	27,242	554	49,941	8,655	376	.....	4,250	122,019	71,524		
43	13,423,522	23,747,093	253,919	259,678	731,700	179,419	21,712,532	13,885	65,157	7,714	523,139	25,188,133	3,296,182		
44	3,332,479	4,988,655	119,344	107,973	405,925	55,356	3,914,942	46,455	10,730	10,814	317,116	5,508,097	1,537,799		
45	28,063,493	24,487,555	1,028,734	803,366	7,311,782	100,977	12,999,914	281,159	113,840	216,253	1,331,430	29,730,891	13,830,000		
46	91,932	221,205	5,625	6,090	74,890	1,587	115,146	13,625	515	.....	3,727	301,910	185,177		
47	318,183	629,180	7,610	27,830	66,908	1,342	455,807	9,051	2,290	619	57,723	721,251	214,102		
48	3,061,081	3,958,800	133,806	91,737	1,507,077	50,145	1,807,966	119,840	10,010	34,430	203,789	4,496,067	2,637,956		
49	1,742,854	1,552,221	102,226	130,216	446,350	21,797	727,964	28,029	6,281	.....	89,538	1,714,083	904,922		
50	47,074,650	6,530,387	311,713	512,005	1,407,704	2,288,476	315,353	6,487	324,840	207	1,363,062	8,926,544	6,322,715		
51	1,039,429	1,031,751	68,270	60,871	267,240	3,166	554,764	74,113	2,838	900	66,589	1,230,852	672,922		
52	184,504	230,882	21,069	34,936	74,355	1,913	71,180	17,729	384	130	9,136	280,928	207,785		
53	36,673	82,949	3,300	1,832	24,822	915	45,253	3,156	99	.....	3,572	103,493	57,325		
54	515,170	436,259	30,720	32,703	112,261	1,819	197,813	5,443	903	.....	54,597	451,970	252,338		
55	7,781,176	1,724,332	145,324	66,788	572,460	430,375	133,267	7,250	46,466	8,618	313,784	2,331,302	1,767,660		
56	2,645,625	3,467,491	44,691	36,029	828,522	159,207	2,188,571	225	6,072	.....	204,174	3,519,824	1,172,046		
57	462,289	1,345,503	37,700	27,175	477,003	12,282	651,239	47,536	1,416	1,660	89,492	1,556,839	803,318		
58	249,020	262,717	13,385	8,475	54,152	3,031	165,783	8,266	787	.....	8,838	296,436	128,622		
59	1,944,810	1,918,141	63,705	84,418	457,714	7,543	1,093,808	54,439	5,973	176	150,365	2,244,489	1,143,138		
60	8,535,102	160,059	55,006	987,550	74,336	6,965,117	.....	2,240	20,397	1,631	514,573	9,366,545	2,327,092		
61	1,380,679	553,856	29,000	25,809	233,505	113,843	95,200	667	7,585	95	45,092	609,145	397,102		
62	2,476,095	4,906,241	32,872	22,663	128,245	63,985	770,942	34,480	3,796	362	145,065	5,332,851	4,517,724		
63	18,804,353	7,613,093	337,142	280,365	1,390,880	264,952	2,294,529	15,790	1,278,531	.....	1,822,964	9,319,014	6,759,560		
64	20,188,855	7,386,897	211,281	217,422	681,824	131,036	4,542,905	89,760	709,622	43,703	759,344	8,936,848	4,262,907		
65	55,165,260	40,609,463	1,343,978	893,347	15,651,040	281,095	18,087,805	211,804	445,890	317,009	3,377,945	45,000,276	26,631,376		

\* Same number reported for one or more other months.

TABLE II.—DETAIL STATEMENT FOR THE

PERSONS ENGAGED IN INDUSTRY.													WAGE EARNERS—NUMBER DEC. 15, OR NEAREST REPRESENTATIVE DAY.					Primary horse-power.
INDUSTRY.	Number of establishments.	Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks.		Average number.	Wage earners.			Total.	16 and over.		Under 16.				
					Male.	Female.		Number.				Male.	Female.	Male.	Female.			
								Maximum month.	Minimum month.									
1 Marble and stone work.....	128	1,724	155	65	75	14	1,415	Ja 1,501	No 1,344	1,442	1,440	.....	2	.....	3,562			
2 Mattresses and spring beds.....	35	671	25	45	45	28	528	No 588	Ap 495	589	517	62	9	1	727			
3 Millinery and lace goods.....	23	277	21	13	16	8	166	De 214	Je 91	238	83	150	.....	5	110			
4 Mirrors.....	6	56	7	1	.....	2	46	Oct 47	Ja 43	45	45	.....	.....	.....	119			
5 Models and patterns, not including paper patterns.	26	135	36	.....	5	1	93	No 100	Jy 87	93	74	13	6	.....	193			
6 Musical instruments and materials, not specified.	5	14	6	.....	.....	.....	8	Ja 8	Jy 8	9	9	.....	.....	.....	.....			
7 Musical instruments, pianos and organs and materials.	11	78	9	8	2	2	57	Ja 74	Se 49	55	55	.....	.....	.....	53			
8 Optical goods.....	6	59	7	4	10	6	32	My 33	Ap 31	32	31	.....	1	.....	14			
9 Paint and varnish.....	35	530	14	54	51	15	396	Jy 440	Ja 357	378	353	21	4	.....	1,387			
10 Paper and wood pulp.....	4	340	2	10	11	5	312	De 339	Oct 285	330	324	6	.....	.....	7,163			
11 Paper goods, not elsewhere specified.	8	127	3	10	6	7	101	No 112	Se 94	117	52	65	.....	.....	86			
12 Patent medicines and compounds and druggists' preparations.	89	574	56	61	55	92	310	My 315	Je 304	329	159	160	6	4	347			
13 Petroleum, refining.....	29	1,146	4	66	119	27	930	No 974	Mh 862	948	947	1	.....	.....	5,630			
14 Photo-engraving.....	29	274	21	25	22	16	190	Fe 199	Jy 150	200	190	5	.....	.....	119			
15 Pottery, terra-cotta, and fire-clay products.	26	1,167	12	46	71	11	1,027	Ad 1,120	Ja 879	1,133	1,124	6	3	.....	2,856			
16 Printing and publishing.....	1,240	12,215	1,151	652	2,209	647	7,556	De 7,925	Ja 7,350	7,967	6,525	1,253	178	11	7,674			
17 Pumps, not including steam pumps.....	6	66	4	5	6	1	59	Se 56	Ja 47	48	48	.....	.....	.....	128			
18 Rubber goods, not elsewhere specified.	5	103	.....	9	15	5	74	Oct 88	De 61	61	42	19	.....	.....	209			
19 Salt.....	19	469	22	23	18	4	402	No 519	Fe 313	468	464	4	.....	.....	1,228			
20 Shipbuilding, including boat building.....	43	2,006	39	48	67	8	1,844	No 2,553	My 1,512	2,386	2,378	2	6	.....	3,129			
21 Show cases.....	11	66	15	2	1	1	47	Ja 56	Au 39	54	54	.....	.....	.....	82			
22 Signs and advertising novelties.....	8	67	7	4	9	.....	47	De 56	Oct 44	56	54	2	.....	.....	24			
23 Silverware and plated ware.....	3	16	4	.....	1	.....	11	Ja 11	Jy 11	11	11	.....	.....	.....	9			
24 Slaughtering and meat packing.	94	2,135	111	105	249	29	1,641	De 1,709	Je 1,586	1,723	1,678	31	13	1	3,567			
25 Stereotyping and electrotyping.....	3	29	6	4	1	2	16	Se 17	Ja 15	16	16	.....	.....	.....	42			
26 Stoves and furnaces, including gas and oil stoves.	17	266	11	11	25	4	215	No 248	Je 185	244	242	.....	2	.....	152			
27 Sulphuric, nitric, and mixed acids.....	6	247	.....	11	16	3	217	Fe 230	Au 203	210	210	.....	.....	.....	735			
28 Surgical appliances and artificial limbs.	13	62	12	4	4	.....	42	Ja 45	Au 39	39	33	5	1	.....	26			
29 Tobacco manufactures.....	332	2,139	613	41	62	8	1,465	Mh 1,499	Au 1,423	1,541	1,189	316	28	8	71			
30 Typefounding and printing materials.	3	21	.....	4	4	1	12	De 14	Ja 10	13	11	1	1	.....	21			
31 Umbrellas and canes.....	4	10	5	.....	.....	.....	5	De 6	Ja 5	6	2	4	.....	.....	9			
32 Wall plaster.....	7	78	1	11	10	2	54	Au 63	Mh 36	68	68	.....	.....	.....	701			
33 Whips.....	3	13	3	1	.....	.....	9	Ja 9	Jy 9	9	9	.....	.....	.....	.....			
34 All other industries <sup>1</sup> .....	554	12,282	551	506	1,080	306	9,839	.....	.....	.....	.....	.....	.....	.....	44,111			

<sup>1</sup> Same number reported for one or more other months.<sup>2</sup> Same number reported throughout the year.<sup>3</sup> All other industries embrace—

Artificial flowers and feathers and plumes.....	2	Cordage and twine and jute and linen goods.....	2	Glue.....	3
Awnings, tents, and sails.....	27	Cordials and sirups.....	7	Gold and silver, leaf and foil.....	2
Axle grease.....	1	Corsets.....	2	Gold and silver, reducing and refining, not from the ore.....	1
Bags, other than paper.....	2	Dyestuffs and extracts.....	1	Grease and tallow.....	7
Bags, paper.....	2	Engraving and die-sinking.....	5	Hair work.....	12
Baking powders and yeast.....	4	Explosives.....	2	Hat and cap materials.....	1
Beet sugar.....	9	Files.....	1	Hats, fur-felt.....	3
Belting and hose, woven and rubber.....	1	Fireworks.....	1	House-furnishing goods, not elsewhere specified.....	2
Bluing.....	1	Flavoring extracts.....	17	Ink, printing.....	2
Candles.....	2	Foundry supplies.....	2	Ink, writing.....	1
Carriages and sleds, children's.....	1	Fuel, manufactured.....	3	Instruments, professional and scientific.....	8
Cash registers and calculating machines.....	1	Galvanizing.....	2	Iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills.....	1
Charcoal.....	1	Glass.....	1	Iron and steel forgings.....	3
Chocolate and cocoa products.....	2	Glass, cutting, staining, and ornamenting.....	28	.....	.....
Clocks and watches, including cases and materials.	2	Glucose and starch.....	1	.....	.....



STATE, BY INDUSTRIES: 1909—Continued.

EXPENSES.														
Capital.	Services.					Materials.		Miscellaneous.				Value of products.	Value added by manu- facture.	
	Total.	Officials.	Clerks.	Wage earners.		Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.			
1	\$3,144,882	\$2,890,227	\$125,548	\$84,740	\$1,241,205	\$66,234	\$1,116,301	\$27,376	\$15,804	\$113,842	\$99,177	\$3,379,715	\$2,197,180	
2	1,351,331	2,001,328	82,788	66,034	360,438	16,333	1,227,112	42,396	4,406	135	201,486	2,153,914	920,469	
3	288,883	374,585	17,180	16,551	89,916	3,077	215,338	15,625	349	16,540	412,552	194,167	194,167	
4	133,746	163,710	2,400	635	44,990	4,406	100,057	1,380	2,313	1,020	6,504	185,806	81,343	
5	72,426	151,422	.....	3,460	77,876	3,836	48,342	10,597	254	254	6,803	194,805	142,627	
6	10,220	10,897	.....	.....	6,534	36	2,965	812	109	.....	441	16,108	13,107	
7	189,183	135,999	12,301	1,485	60,403	2,194	38,776	4,976	845	.....	15,019	150,308	109,338	
8	79,622	114,354	6,200	12,890	23,846	1,219	59,092	4,776	375	.....	5,956	137,595	77,284	
9	2,674,666	3,244,074	104,140	54,041	275,177	35,566	2,616,528	16,138	8,785	267	133,382	3,758,090	1,105,996	
10	2,068,048	757,198	25,840	10,410	206,622	99,432	340,963	2,505	6,554	.....	64,872	969,172	528,777	
11	185,020	204,800	9,093	5,749	58,176	6,138	94,975	6,193	415	.....	24,121	223,528	122,415	
12	993,937	1,254,317	113,832	97,751	147,931	10,066	628,885	36,888	6,954	430	211,590	1,545,977	910,026	
13	13,890,760	15,812,573	211,843	155,643	800,504	1,180,787	12,716,934	20,406	62,137	280	664,039	17,875,006	3,980,285	
14	224,601	373,661	39,445	27,560	195,569	7,577	55,892	18,835	893	1,970	25,920	444,933	381,464	
15	3,545,162	1,534,081	104,303	80,012	641,227	248,443	256,746	2,209	21,144	8,316	171,081	1,797,129	1,291,940	
16	17,197,899	21,017,808	1,253,999	2,575,235	6,432,161	249,418	6,077,885	595,771	72,468	807,294	2,953,577	25,031,877	18,704,674	
17	171,082	137,019	10,200	5,500	43,407	2,444	39,391	3,512	532	21,080	10,953	167,233	125,398	
18	235,320	224,365	15,000	21,441	60,600	4,900	163,975	4,294	812	.....	25,313	322,727	153,762	
19	2,022,693	579,661	34,960	20,670	211,672	26,925	215,420	21,675	3,656	950	43,733	746,211	503,566	
20	8,329,206	3,948,413	122,450	93,167	1,592,211	73,400	1,103,589	23,662	24,315	273,169	582,390	4,132,176	2,895,127	
21	119,155	135,146	2,916	900	46,626	2,797	72,476	3,733	626	.....	5,072	154,418	79,145	
22	51,333	103,745	7,278	9,585	46,041	2,698	29,156	3,776	208	600	4,373	118,850	66,966	
23	12,839	20,085	.....	1,640	8,200	464	6,145	2,775	28	.....	835	25,190	18,581	
24	11,463,407	31,533,926	246,164	303,557	1,306,846	184,764	28,263,293	49,849	41,875	3,743	1,133,835	34,280,003	6,831,946	
25	50,981	60,679	5,880	1,932	11,647	2,258	19,699	3,096	114	.....	16,993	72,021	50,064	
26	412,835	460,368	15,745	26,926	173,501	9,070	196,806	7,782	1,450	2,605	26,433	514,167	308,311	
27	2,614,500	1,112,402	38,020	19,205	172,864	105,811	634,504	.....	8,889	.....	133,109	1,160,937	420,622	
28	40,241	94,082	3,915	3,060	31,541	995	31,230	6,379	309	.....	16,653	114,251	82,026	
29	1,622,147	2,820,358	65,669	67,005	857,260	4,026	1,212,923	77,755	280,465	10,107	245,148	3,360,495	2,143,546	
30	43,698	40,450	3,120	1,070	9,769	619	20,243	2,080	137	.....	3,412	44,695	23,533	
31	5,560	6,980	.....	.....	2,974	27	3,151	2,524	28	.....	276	12,174	8,996	
32	342,301	212,544	16,992	6,679	57,533	13,642	95,613	1,506	1,100	.....	19,479	186,656	77,400	
33	55,625	13,343	.....	5,575	5,504	43	5,215	300	187	.....	1,818	18,850	13,592	
34	140,057,235	108,692,968	1,357,803	1,556,609	7,166,537	2,334,923	91,740,494	399,922	317,510	26,423	3,782,837	120,325,916	26,250,589	

\* All other Industries embrace—Continued.

Iron and steel pipe, wrought.....	4	Photographic apparatus and materials.....	4	Stationery goods, not elsewhere specified.....	1
Jewelry and instrument cases.....	3	Pipes, tobacco.....	1	Statuary and art goods.....	17
Kaolin and ground earths.....	2	Roofing materials.....	5	Steam packing.....	2
Labels and tags.....	5	Safes and vaults.....	1	Sugar, refining, not including beet sugar.....	2
Lead, bar, pipe, and sheet.....	1	Saws.....	1	Typewriters and supplies.....	2
Looking-glass and picture frames.....	16	Scales and balances.....	1	Upholstering materials.....	6
Malt.....	4	Shoddy.....	1	Vault lights and ventilators.....	1
Matches.....	4	Silk and silk goods, including throwsters.....	3	Vinegar and cider.....	14
Mineral and soda waters.....	154	Smelting and refining, copper.....	3	Washing machines and clothes wringers.....	2
Mucilage and paste.....	3	Smelting and refining, lead.....	2	Window shades and fixtures.....	16
Oakum.....	2	Smelting and refining, not from the ore.....	1	Wirework, including wire rope and cable.....	20
Oil, essential.....	1	Soap.....	23	Wood, turned and carved.....	15
Oil, not elsewhere specified.....	8	Soda-water apparatus.....	2	Wood pulling.....	1
Paving materials.....	1	Sporting and athletic goods.....	3	Wool scouring.....	3
Pens, fountain, stylographic, and gold.....	1	Springs, steel, car and carriage.....	1	Woolen, worsted, and felt goods, and wool hats.....	6

75175°—13—46

TABLE III.—DETAIL STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES, CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES.

## LOS ANGELES.

PERSONS ENGAGED IN INDUSTRY.											WAGE EARNERS—NUMBER DEC. 15, OR NEAREST REPRESENTATIVE DAY.					
INDUSTRY.	Number of establishments.	Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks.		Wage earners (average number).				Total.	16 and over.		Under 16.		Primary horse-power.
					Male.	Female.	Total.	16 and over.		Under 16.		Male.	Female.			
								Male.	Female.							
1 All Industries.....	1,325	21,875	1,181	919	1,990	458	17,327	15,065	2,075	187	19,326	16,686	2,428	170	42	33,166
2 Artificial stone.....	8	97	11	4	2	1	80	80	90		90	90				15
3 Boots and shoes, including cut stock and findings.....	4	38	3	1	2	1	31	23	8		30	22	8			44
4 Brass and bronze products.....	8	70	7	5	3		55	55	60		60	60				99
5 Bread and other bakery products.....	159	1,445	176	35	95	33	1,106	787	305	14	1,220	868	336	5	11	901
6 Brick and tile.....	8	412		14	5	2	391	374		17	425	407		18		1,451
7 Brooms.....	4	52	4			1	47	47			49	49				16
8 Brushes.....	4	11	4	1	1	1	5	4	1		11	10	1			10
9 Butter, cheese, and condensed milk.....	4	61		7	8	2	44	44			45	45				168
10 Canning and preserving.....	21	479	20	17	26	7	409	205	196	8	800	402	383	13	2	471
11 Carriages and wagons and materials.....	23	195	24	5	1	5	160	158		2	164	162		2		102
12 Cars and general shop construction and repairs by steam-railroad companies.....	4	1,938		17	33	1	1,887	1,887			1,957					1,083
13 Clothing, men's, including shirts.....	15	505	19	7	16	11	452	48	401	3	453	48	402		3	99
14 Clothing, women's.....	12	199	15	8	11	4	161	39	122		161	39	122			42
15 Coffee and spice, roasting and grinding.....	11	164	6	12	49	7	90	61	29		91	62	29			241
16 Confectionery.....	11	163	11	8	14	10	120	45	75		151	57	94			30
17 Cooperage and wooden goods, not elsewhere specified.....	6	44	7	1	2	1	33	33			39	39				89
18 Copper, tin, and sheet-iron products.....	53	439	59	19	5	4	352	334	15	3	389	368	17	4		147
19 Electrical machinery, apparatus, and supplies.....	12	104	4	13	4	4	79	75	3	1	89	89	4	1		104
20 Fancy articles, not elsewhere specified.....	9	36	11	2			23	15	7	1	27	18	8		1	50
21 Flour-mill and gristmill products.....	7	194		16	40	3	135	131	4		140	136	4			1,260
22 Food preparations.....	22	187	26	10	16	4	131	65	66		178	88	90			236
23 Foundry and machine-shop products.....	113	2,849	84	118	180	45	2,422	2,412	2	8	2,802	2,790	3	9		3,552
24 Furniture and refrigerators.....	42	469	42	20	19	8	380	362	16	2	431	414	18	2		584
25 Gas and electric fixtures and lamps and reflectors.....	15	288	7	20	53	12	196	193	1	2	211	208	1	2		230
26 Hand stamps and stencils and brands.....	3	41	3	4	11	1	22	20	1	1	23	21	1	1		18
27 Ice, manufactured.....	6	321		14	29	6	272	271	1		270	269	1			2,206
28 Jewelry.....	16	112	21	5	9	5	72	70		2	94	91		2	1	37
29 Leather goods.....	32	322	28	16	55	8	215	162	47	6	258	194	57	7		70
30 Liquors, malt.....	4	290		20	24	4	242	242			248	248				1,682
31 Liquors, vinous.....	13	40	15	1			23	23			39	39				116
32 Lumber and timber products.....	61	1,816	45	66	129	18	1,558	1,542	5	11	1,706	1,689	5	12		6,207
33 Marble and stone work.....	14	105	22	1	8	2	75	75			75	75				268
34 Mattresses and spring beds.....	11	214	9	11	16	10	108	149	19		197	175	22			187
35 Models and patterns, not including paper patterns.....	6	20	7				13	7	6		14	8	6			33
36 Paint and varnish.....	6	67	3	11	15	3	35	35			35	35				158
37 Patent medicines and compounds and druggists' preparations.....	35	144	26	14	8	5	91	36	47	8	108	43	56	5	4	62
38 Petroleum, refining.....	10	133		16	11	6	100	100			105	105				430
39 Pottery, terra cotta, and fire-clay products.....	8	122		98			98	98			94	94				315
40 Printing and publishing.....	234	2,545	196	138	538	136	1,537	1,215	267	55	1,681	1,329	292	54	6	1,220
41 Slaughtering and meat packing.....	6	605	3	14	75	6	507	484	14	9	540	515	15	9	1	747
42 Surgical appliances and artificial limbs.....	6	31	4	3	3		21	15	6		19	14	5			8
43 Tobacco manufactures.....	33	225	38	7	4		176	129	38	9	193	141	42	2	8	588
44 All other industries.....	246	4,280	214	208	463	82	3,313	2,915	373	25	3,609	3,176	406	22	5	8,088

1 All other industries embrace: Agricultural implements, 2; automobiles, including bodies and parts, 26; awnings, tents, and sails, 6; habbitt metal and solder, 1; baking powders and yeast, 1; bicycles, motorcycles, and parts, 2; blacking and cleansing and polishing preparations, 3; boxes, cigar, 1; boxes, fancy and paper, 5; buttons, 5; candles, 1; carpets, rag, 3; cars and general shop construction and repairs by street-railroad companies, 2; cars, steam-railroad, not including operations of railroad companies, 1; cash registers and calculating machines, 1; chemicals, 1; collins, burial cases, and undertakers' goods, 2; cordials and syrups, 1; corsets, 1; cutlery and tools, not elsewhere specified, 7; dairymen's, poultrymen's, and apurists' supplies, 3; electroplating, 2; engraving and deskinning, 3; fertilizers, 4; flags, banners, regalia, society badges, and emblems, 2; flavoring extracts, 3; fuel, manufactured, 2; fur goods, 1; furnishing goods, men's, 4; gas, illuminating and heating, 3; glass, 1; glass, cutting, staining, and ornamenting, 9; gloves and mittens, leather, 1; hair work, 3; hats and caps, other than felt, straw, and wool, 3; hosiery and knit goods, 2; house-furnishing goods, not elsewhere specified, 1; ink, writing, 1; instruments, professional and scientific, 3; iron and steel, steel works and rolling mills, 1; iron and steel pipe, wrought, 3; jewelry

## OAKLAND.

1	All Industries.....	441	8,538	554	347	533	198	6,905	5,601	1,064	240	7,987	6,162	1,561	160	104	13,683
2	Bread and other bakery products.....	57	447	69	12	23	31	312	239	70	3	395	303	89	3		203
3	Butter, cheese, and condensed milk.....	4	73	1	5	10	4	53	39	14		53	39	14			56
4	Canning and preserving.....	9	469	11	17	11	42	184	281	3	1,087	343	724	7	13		166
5	Carriages and wagons and materials.....	10	65	10	7	2	1	45	45			44	44				191
6	Confectionery.....	6	127	6	3	12	34	72	24	48		74	25	49			8
7	Copper, tin, and sheet-iron products.....	12	85	19	5	5	1	55	85			68	68				52
8	Flour-mill and gristmill products.....	3	52		5	8	2	36	35	1		33	36	1			228
9	Food preparations.....	5	51	8	5	18	4	28	24			34	24				41
10	Foundry and machine-shop products.....	44	891	39	44	17	747	737	1	9		873	812	1	10		998
11	Liquors, malt.....	4	95	1	10	6		78	78			78	78				652
12	Lumber and timber products.....	31	914	21	35	43	7	808	803		5	814	809		5		3,421
13	Pottery, terra-cotta, and fire-clay products.....	3	45	2	2	4		37	37			40	40				210
14	Printing and publishing.....	70	622	45	41	134	41	331	272	39	20	343	283	40	19	1	540
15	Tobacco manufactures.....	27	183	78	2	1	1	101	84	15	2	107	89	16	2		2
16	All other industries.....	155	4,427	224	153	220	53	3,777	2,995	589	193	3,996	3,169	623	114	90	6,920

2 All other industries embrace: Artificial stone, 3; automobiles, including bodies and parts, 3; awnings, tents, and sails, 1; habbitt metal and solder, 1; baking powders and yeast, 1; can and willow work, 3; bicycles, motorcycles, and parts, 1; blacking and cleansing and polishing preparations, 3; beds and shoes, including cut stock and findings, 1; boxes, fancy and paper, 1; brass and bronze products, 3; brooms, 2; brushes, 2; carpets, rag, 1; cars and general shop construction and repairs by steam-railroad companies, 1; cars and general shop construction and repairs by street-railroad companies, 1; chemicals, 2; clothing, men's, including shirts, 4; clothing, women's, 10; coffee and spice, roasting and grinding, 1; collins, burial cases, and undertakers' goods, 1; cooperage and wooden goods, not elsewhere specified, 1; cordage and twine and linen goods, 1; cordials and syrups, 1; cutlery and tools, not elsewhere specified, 1; electrical machinery, apparatus, and supplies, 2; electroplating, 1; fancy articles, not elsewhere specified, 1; flags, banners, regalia, society badges, and emblems, 1; flavoring extracts, 2; furnishing goods, men's, 1; furniture and refrigerators, 4; gas and electric fixtures and lamps and reflectors, 1; gas, illuminating and heating, 2; glass, cutting, staining, and ornamenting, 2; gloves and mittens, leather, 4; grease

# STATISTICS OF MANUFACTURES.

711

AND TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909.

CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES.

## LOS ANGELES.

		EXPENSES.												
Capital.		Total.	Services.			Materials.		Miscellaneous.					Value of products.	Value added by manufacture.
			Officials.	Clerks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.			
1	\$59,518,398	\$61,061,311	\$1,728,739	\$2,183,429	\$12,597,617	\$1,529,859	\$37,382,649	\$663,455	\$611,837	\$378,450	\$3,995,176	\$88,566,274	\$29,673,686	
2	69,648	115,394	7,440	1,710	65,614	1,216	29,801	1,978	395	7,240	146,961	115,944	115,944	
3	61,880	70,575	1,300	5,148	23,930	1,229	34,102	3,000	101	1,765	75,017	39,686	39,686	
4	85,560	124,900	10,500	1,920	46,135	6,538	53,261	3,714	194	2,638	192,086	132,267	132,267	
5	1,886,925	4,170,988	67,106	132,466	701,608	66,810	2,803,471	83,757	11,492	304,100	4,670,076	1,799,792	1,799,792	
6	1,432,931	526,765	24,860	6,938	215,399	125,072	107,763	1,165	5,726	39,902	658,070	425,235	425,235	
7	105,009	118,728	300	24,597	614	78,559	120	367	36	14,135	135,444	56,271	56,271	
8	10,860	12,060	900	3,378	124	6,531	625	85	72	584	15,400	8,745	8,745	
9	172,462	1,375,790	12,400	7,427	35,520	2,850	1,303,710	6,115	539	7,229	1,417,232	110,672	110,672	
10	963,222	1,099,344	33,682	30,096	174,530	13,378	757,597	3,994	5,370	1,362	79,435	1,254,724	483,740	
11	304,762	400,529	5,522	2,022	119,054	7,275	244,749	12,435	1,418	8,024	491,395	229,371	229,371	
12	740,904	3,362,118	27,305	31,187	1,632,371	53,515	1,547,591	2,076	6,773	3,362,118	1,760,712	1,760,712	1,760,712	
13	228,799	744,746	9,400	22,701	185,701	4,189	482,262	18,187	2,608	700	18,998	821,704	335,253	
14	131,065	265,848	10,672	15,211	71,819	2,080	152,345	9,205	445	4,670	321,034	166,609	166,609	
15	699,503	1,056,455	23,810	61,243	66,888	8,299	795,435	10,830	5,650	86,300	1,150,334	348,600	348,600	
16	158,182	300,418	9,356	19,920	45,157	4,099	199,610	4,690	1,316	13,370	342,878	139,169	139,169	
17	113,136	145,128	3,000	2,600	24,665	1,815	104,341	2,970	773	261	4,683	139,046	32,900	
18	688,045	970,467	32,024	5,725	249,541	6,629	604,538	13,876	5,514	82	52,538	1,124,394	513,227	
19	188,124	198,451	20,945	4,663	51,762	2,321	94,973	8,150	390	16,147	211,188	113,594	113,594	
20	31,787	31,838	1,451	14,218	1,404	7,945	2,504	209	3,807	43,000	33,651	33,651	33,651	
21	2,676,229	5,068,021	50,270	48,257	94,881	21,426	4,808,319	9,156	6,675	26,037	5,347,173	517,428	517,428	
22	137,589	150,150	12,510	15,500	63,140	7,020	368,947	10,914	1,868	1,144	37,526	580,351	204,384	
23	7,263,185	6,994,154	219,018	218,288	1,806,422	178,368	3,576,409	53,065	33,065	138,153	680,535	7,776,796	4,021,069	
24	586,244	767,707	29,564	21,298	309,583	9,251	344,933	18,438	2,828	2,300	46,572	941,439	587,265	
25	510,491	601,838	43,309	61,976	161,619	7,850	258,763	10,780	3,297	54,244	670,025	403,412	403,412	
26	54,569	65,082	6,396	11,214	17,063	385	21,132	3,722	165	6,005	91,510	69,993	69,993	
27	2,701,827	633,254	47,735	35,082	223,825	112,494	299,508	1,290	17,065	168,255	764,950	622,888	622,888	
28	152,882	202,188	10,680	15,456	1,034	1,034	100,414	5,957	1,660	14,244	250,334	143,498	143,498	
29	601,963	638,321	22,907	46,788	116,824	1,902	400,416	19,729	1,330	58,425	757,174	354,586	354,586	
30	3,846,167	1,238,557	66,780	30,425	257,804	35,836	325,979	150	228,324	293,199	1,456,990	1,095,175	1,095,175	
31	270,157	55,289	921	175	13,481	1,429	40,298	6,336	15,334	7,315	136,206	94,479	94,479	
32	3,790,975	5,143,748	111,966	114,426	1,108,453	23,699	3,505,479	30,655	22,831	1,607	224,602	5,683,649	2,154,471	
33	221,551	263,561	1,530	7,732	41,675	4,167	111,613	1,876	962	4,319	256,527	140,747	140,747	
34	398,570	712,405	19,620	26,393	114,610	3,842	490,825	13,063	1,504	135	42,413	796,665	291,938	
35	7,925	15,061	7,330	170	5,347	2,568	5,347	2,568	26	220	28,150	22,633	22,633	
36	305,004	445,362	13,800	18,891	29,893	2,965	355,348	5,170	1,960	17,395	494,285	136,035	136,035	
37	140,072	236,642	16,285	9,509	42,973	1,671	138,725	9,561	700	90	17,128	337,042	196,646	
38	1,311,746	1,344,246	49,820	16,422	82,493	84,630	1,050,076	1,800	4,751	280	54,274	1,406,045	271,339	
39	335,983	198,152	20,160	6,202	61,240	38,518	47,480	2,149	5,757	1,432	15,214	234,582	148,584	
40	3,035,893	4,473,567	206,422	612,355	1,189,470	42,148	1,576,436	126,528	15,528	194,459	451,221	5,191,769	3,573,185	
41	3,569,171	6,844,428	57,695	90,120	324,081	60,574	5,885,046	1,140	14,149	411,623	7,464,295	1,518,675	1,518,675	
42	18,425	31,276	3,315	13,977	410	14,246	3,880	184	6,844	12,648	48,850	34,948	34,948	
43	173,665	294,208	12,900	7,200	91,459	29	133,974	6,474	18,024	24,148	344,421	210,418	210,418	
44	18,984,981	9,146,023	345,282	422,559	2,485,781	579,488	4,386,299	139,845	167,113	27,817	591,799	10,979,432	6,013,685	

and instrument cases, 1; labels and tags, 1; lapidary work, 10; looking-glass and picture frames, 6; millinery and lace goods, 6; mineral and soda waters, 6; mirrors, 2; molasses and paste, 2; musical instruments and materials, not specified, 3; musical instruments, pianos and organs and materials, 2; oil, not elsewhere specified, 1; optical goods, 1; paper and wood pulp, 1; pens, fountain, stylographic, and gold, 1; photographic apparatus and materials, 2; photo-engraving, 7; pipes, tobacco, 1; pumps, not including steam pumps, 2; rubber goods, not elsewhere specified, 1; scales and balances, 1; shipbuilding, including boat building, 5; show cases, 3; signs and advertising novelties, 3; soap, 6; soda-water apparatus, 2; stationary and art goods, 5; stereotyping and electrotyping, 1; stoves and furnaces, including gas and oil stoves, 7; sulphuric, nitric, and mixed acids, 1; sales and vaults, 1; slaughtering and meat packing, 7; shipbuilding, including boat building, 5; show cases, 2; felt goods and wall plaster, 2; whips, 2; window shades and fixtures, 3; wirework, including wire rope and cable, 3; wood, turned and carved, 6; woolen, worsted, and felt goods and wool hats, 2.

## OAKLAND.

1	\$19,113,246	\$20,559,203	\$670,153	\$630,144	\$5,317,241	\$769,818	\$11,077,415	\$224,282	\$180,415	\$39,063	\$1,650,672	\$22,342,926	\$10,495,693
2	599,044	1,252,247	18,360	35,287	254,054	28,500	806,642	41,071	4,261	64,072	1,420,288	585,146	585,146
3	166,449	713,814	13,320	15,060	35,889	2,803	634,216	1,500	871	10,095	741,711	104,692	104,692
4	674,432	946,704	28,529	15,261	173,068	14,108	659,825	5,581	3,095	46,827	1,039,540	365,067	365,067
5	199,806	137,674	7,529	1,904	36,373	3,703	63,977	8,310	655	10,352	168,092	100,712	100,712
6	145,921	199,045	5,960	26,545	35,642	4,370	102,265	5,332	311	18,590	222,495	115,560	115,560
7	98,125	156,543	10,636	3,637	51,877	1,064	79,732	3,312	947	5,998	179,693	98,807	98,807
8	326,049	689,107	11,344	8,870	39,194	3,253	609,882	2,240	690	14,284	760,900	77,825	77,825
9	70,500	196,912	6,060	11,914	19,314	3,506	129,298	3,660	356	23,268	213,783	80,479	80,479
10	2,857,991	1,875,701	18,818	53,103	681,370	44,307	621,904	20,508	12,543	8,097	163,061	1,823,663	1,157,452
11	734,342	506,801	26,100	8,800	83,684	14,307	143,610	14,310	91,439	138,994	667,530	509,746	509,746
12	1,715,826	2,143,007	74,258	51,344	702,479	16,484	1,181,155	18,770	9,190	21,591	87,317	2,183,236	985,597
13	172,307	62,620	4,513	4,870	27,499	11,258	5,842	139	139	8,399	65,590	48,490	48,490
14	1,119,675	1,011,395	74,841	154,234	456,727	14,651	240,745	38,240	5,371	21,591	104,965	1,241,993	1,036,597
15	86,173	160,142	2,400	4,141	50,432	904	73,543	6,988	15,790	6,034	182,637	108,190	108,190
16	10,436,455	10,699,471	307,634	235,578	2,769,639	606,793	5,724,779	70,960	33,177	2,521	988,400	11,451,475	5,119,933

and tallow, 1; hand stamps and stencils and brands, 2; ice, manufactured, 3; iron and steel, steel works and rolling mills, 1; jewelry, 3; leather goods, 3; leather, tanned, cured, and finished, 1; liquors, vinous, 1; marble and stone work, 2; mattresses and spring beds, 6; millinery and lace goods, 3; mineral and soda waters, 4; mirrors, 1; models and patterns, not including paper patterns, 3; optical goods, 1; paint and varnish, 5; paper goods, not elsewhere specified, 1; patent medicines and compounds and druggists' preparations, 4; photo-engraving, 1; sales and vaults, 1; slaughtering and meat packing, 7; shipbuilding, including boat building, 5; show cases, 2; felt goods and plated ware, 2; smelting and refining, not from the ore, 1; stationary and art goods, 1; stoves and furnaces, including gas and oil stoves, 3; sulphuric, nitric, and mixed acids, 1; surgical appliances and artificial limbs, 2; upholstering materials, 1; washing machines and clothes wringers, 1; window shades and fixtures, 4; wirework, including wire rope and cable, 4; wood, turned and carved, 2.

TABLE III.—DETAILED STATEMENT FOR CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES, AND

CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES—Continued.

## SAN FRANCISCO.

INDUSTRY AND CITY.		Number of establishments.	PERSONS ENGAGED IN INDUSTRY.										WAGE EARNERS—NUMBER DEC. 15, OR NEAREST REPRESENTATIVE DAY.						Primary horse-power.
			Total.	Proprietors and firm members.	Salaried officers, superintendents, and managers.	Clerks.		Wage earners (average number).					Total.	16 and over.		Under 16.			
								16 and over.			Under 16.								
								Male.	Female.	Total.		Male.						Female.	
1	All Industries.....	1,796	36,910	2,544	1,653	3,377	1,092	28,244	22,852	6,173	219	29,896	23,917	5,440	174	65	49,934		
2	Artificial stone.....	10	89	12	6	1	2	68	67		1	71	70		1		26		
3	Baskets, and rattan and willow ware.....	7	129	7	2	2	1	117	40	77		110	38	72			23		
4	Belting and hose, leather.....	5	52	1	8	8	2	33	32		1	32					37		
5	Boots and shoes, including cut stock and findings.....	8	425	73	9	16	6	321	224	83	14	378	264	98	11	5	131		
6	Boxes, fancy and paper.....	10	321	6	15	13	6	281	99	133	19	299	105	174	2	18	225		
7	Brass and bronze products.....	13	154	13	10	8	2	121	117	1	3	123	119	1	3		131		
8	Bread and other bakery products.....	167	1,665	263	39	82	78	1,203	961	234	8	1,269	1,014	247	1	7	786		
9	Butter, cheese, and condensed milk.....	3	8	3				5	4	1		5	4				4		
10	Canning and preserving.....	17	1,011	7	36	53	12	903	481	422		844	450	394			666		
11	Carriages and wagons and materials.....	37	311	43	17	6	8	237	233		4	231	227		4		248		
12	Chemicals.....	4	139			3	335	120	130			118	118				79		
13	Clothing, men's, including shirts.....	50	1,905	251	30	80	22	1,622	342	1,179	1	1,446	325	1,120	1		335		
14	Clothing, women's.....	41	835	199	16	30	20	570	161	406	3	639	181	455	3		83		
15	Coffee and spice, roasting and grinding.....	19	492	13	35	180	39	225	134	91		245	146	99			775		
16	Coffins, burial cases, and undertakers' goods.....	4	78	2	6	6	3	61	35	25	1	62	36	25	1		151		
17	Confectionery.....	17	669	36	27	51	36	539	171	333	15	702	223	459	4	16	299		
18	Cooperage and wooden goods, not elsewhere specified.....	11	321	8	13	9	9	282	281		1	304	303		1		361		
19	Copper, tin, and sheet-iron products.....	71	1,336	130	55	60	23	1,068	991	74	3	1,043	968	72	3		681		
20	Electrical machinery, apparatus, and supplies.....	10	160	7	9	10	6	129	105	23	1	141	116	25	1		114		
21	Electroplating.....	5	42	6	6	6	5	27	27			30	30				59		
22	Flour-mill and gristmill products.....	9	172	6	12	45	2	107	101	6		105	99	6			1,225		
23	Food preparations.....	31	499	61	32	63	13	330	243	85	2	322	237	83	2		900		
24	Foundry and machine-shop products.....	157	3,456	129	204	228	72	2,823	2,803	4	16	2,789	2,769	4	16		6,714		
25	Furnishing goods, men's.....	3	109	4	2	15	11	77	15	62		88	17	71			3		
26	Furniture and refrigerators.....	51	1,223	51	37	79	8	1,048	1,031	13	4	1,057	1,040	13	3	1	1,237		
27	Gas and electric fixtures and lamps and reflectors.....	15	428	7	33	42	25	321	294	10	17	412	377	13	20	2	271		
28	Gloves and mittens, leather.....	9	165	10	5	18	4	128	48	80		128	48	80			16		
29	Hand stamps and stencils and brands.....	3	94	8		22	2	54	49	5		68	53	5			55		
30	Ice, manufactured.....	2	80		7	4	2	67	67			66	66				1,485		
31	Jewelry.....	24	587	125	13	16	3	430	395	24	11	477	438	27	11	1	243		
32	Leather goods.....	20	357	17	16	27	7	290	241	48	1	301	250	50	1		165		
33	Leather, tanned, curried, and finished.....	17	619	15	27	14	5	558	558			592	592				1,260		
34	Liquors, malt.....	20	551	6	46	54	8	437	437			448	448				1,701		
35	Liquors, vinous.....	4	266	6	3	7		24	21			20					31		
36	Lumber and timber products.....	68	1,667	47	97	63	21	1,439	1,433	1	6	1,426	1,420	1	5		6,435		
37	Marble and stone work.....	18	598	16	28	57	9	488	487		1	440	439				1,227		
38	Mattresses and spring beds.....	12	320	6	22	24	12	256	223	28	6	283	247	31	4	1	365		
39	Millinery and lace goods.....	12	140	12	7	11	4	106	41	61	4	159	62	92	4	5	97		
40	Models and patterns, not including paper patterns.....	14	101	20		5	1	75	62	7	6	72	59	7	6		131		
41	Musical instruments, pianos and organs and materials.....	7	27	8	2	1	1	15	15			17	17				6		
42	Paint and varnish.....	13	142	8	19	25	5	85	79	4	2	85	79	4	2		332		
43	Patent medicines and compounds and druggists' preparations.....	28	330	11	33	34	84	168	79	89		162	76	86			131		
44	Photo-engraving.....	9	140	4	13	16	12	95	92	3		98	95	3			41		
45	Printing and publishing.....	307	5,180	260	271	1,037	260	3,332	2,747	543	42	3,488	2,875	569	43	1	3,386		
46	Show cases.....	4	27	5	1	1	1	19	19			18	18				23		
47	Slaughter and meat packing.....	31	471	47	31	30	2	341	340		1	369	368		1		1,083		
48	Tobacco manufactures.....	91	1,111	286	17	51	7	750	551	199		748	550	198			69		
49	All other industries.....	293	8,118	291	321	720	234	6,552	5,756	769	27	7,276	6,391	835	22	8	14,922		

1 All other industries embrace: Automobiles, including bodies and parts; 5, awnings, tents, and sails; 4, axle grease; 1, rabbit meat and solder; 3, bags, other than paper; 3, bags, paper; 1, baking powders and yeast; 2, blacking and cleansing and polishing preparations; 3, bluing; 1, boxes, cigar; 1, brick and tile; 2, brooms; 7, brushes; 2, buttons; 2, candles; 1, carpets, rag; 4, carriages and sleighs, children's; 1, cars and general shop construction and repairs by street-railroad companies; 2, cars, steam-railroad, not including operations of railroad companies; 1, cement; 1, chocolate and cocoa products; 2, clocks and watches, including cases and materials; 2, cordage and twine and jute and linen goods; 1, cordials and syrups; 4, corsets; 1, cutlery and tools, not elsewhere specified; 3, dairymen's, potters', and apothecaries' supplies; 2, engraving and die-making; 2, fancy articles, not elsewhere specified; 1, fertilizers; 2, flies; 1, fireworks; 1, flags, banners, regalia, society badges and emblems; 3, flavoring extracts; 9, furniture, including beds, 7, gas, illuminating and heating; 3, glass, cutting and grinding; 2, glass, cutting, staining, and ornamenting; 12, glue; 3, gold and silver, reducing and refining, not from the ore; 1, grease and tallow; 4, hair work; 4, hats and caps, other than felt, straw, and wool; 4, hats, fur-felt; 2, hosiery and knit goods; 3, house-furnishing goods, not elsewhere specified; 2, ink, printing; 1, instruments, professional and scientific; 4, iron and steel, steel works and rolling mills; 1, iron and steel, bolts, nuts, washers, and rivets, not made in steel works or rolling mills; 1, iron and steel forgings; 2, jewelry

## CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

1 ALAMEDA.....	51	1,076	50	36	48	27	915	896	17	2	1,098	1,075	20	3		1,526			
2 BAKERSFIELD.....	27	844	20	19	50	9	746	742	2		849	844	3	2		910			
3 BERKELEY.....	86	1,115	115	61	123	37	1,084	924	15	5	993	846	133	12	2	2,433			
4 EUREKA.....	48	1,075	30	35	44	20	946	897	46	3	868	823	42	3		3,901			
5 FRESNO.....	76	2,262	43	104	135	42	1,938	1,168	745	25	2,003	1,968	1,001	15	19	3,403			
6 LONG BEACH.....	51	413	49	25	47	15	277	262	14	1	320	303	16	1		1,450			
7 PASADENA.....	88	708	92	27	56	34	499	355	121	23	704	501	170	3	30	969			
8 POMONA.....	30	285	32	5	14	10	224	111	113		510	253	257			334			
9 REDLANDS.....	91	1,128	134	73	126	35	1,029	869	540	21	1,439	1,191	740	25	3	2,078			
10 RIVERSIDE.....	53	399	56	26	21	29	267	253	12	2	317	301	14	2		700			
11 SACRAMENTO.....	211	5,206	219	217	233	83	4,514	4,032	464	18	4,760	4,252	489	19		8,517			
12 SAN BERNARDINO.....	41	883	38	19	87	10	729	714	10	5	773	757	11	5		1,411			
13 SAN DIEGO.....	117	1,440	99	84	138	48	1,071	955	102	14	1,230	1,097	117	14		3,269			
14 SAN JOSE.....	152	1,828	134	73	126	35	1,430	869	540	21	1,439	1,191	740	25	3	2,078			
15 SANTA BARBARA.....	51	382	43	24	30	20	265	246	16	3	297	276	18	1	2	491			
16 SANTA CRUZ.....	34	388	31	33	36	14	274	269	5		275	270	6	1		1,327			
17 STOCKTON.....	144	2,039	141	90	155	59	1,594	1,407	186	1	1,809	1,597	211	1		5,016			
18 VALLEJO.....	23	271	22	14	29	3	203	189	14		222	207	15			1,616			

# STATISTICS OF MANUFACTURES.

713

TOTALS FOR ALL INDUSTRIES IN CITIES OF 10,000 BUT LESS THAN 50,000 INHABITANTS: 1909—Continued.

CITIES OF 50,000 INHABITANTS OR MORE, BY INDUSTRIES—Continued.

## SAN FRANCISCO.

EXPENSES.													
Capital.	Total.	Services.			Materials.			Miscellaneous.				Value of products.	Value added by manu- facture.
		Officials.	Clerks.	Wage earners.	Fuel and rent of power.	Other.	Rent of factory.	Taxes, including internal revenue.	Contract work.	Other.			
1	\$133,823,673	\$119,762,263	\$3,568,131	\$4,497,432	\$22,381,452	\$2,275,306	\$73,942,015	\$1,779,773	\$1,139,283	\$1,124,547	\$3,654,284	\$133,041,069	\$56,823,748
2	77,670	128,474	8,425	965	60,626	488	49,843	4,011	170		3,936	151,227	100,896
3	107,397	191,241	8,400	2,800	49,087	742	117,650	7,340	397		4,825	210,617	92,225
4	172,973	253,045	15,000	10,785	26,392	2,916	179,334	4,920	658		13,040	291,449	109,199
5	672,102	857,509	21,800	13,872	203,853	5,430	547,546	12,440	2,136		50,463	976,361	423,385
6	310,858	469,289	26,026	15,001	141,027	4,392	216,227	19,533	567	1,369	44,827	496,026	275,407
7	182,643	322,630	14,561	7,091	115,965	13,234	151,059	11,748	739	100	8,133	355,976	191,683
8	3,612,789	4,556,077	109,825	128,612	1,002,810	88,562	2,876,763	95,892	10,800		242,873	5,238,132	2,302,867
9	10,725	41,662			3,425	72	35,087	1,800	7		1,211	46,600	11,441
10	3,342,797	4,324,425	95,746	75,385	380,039	30,308	3,451,850	25,535	11,296	24,791	228,575	4,775,955	1,293,797
11	456,930	486,463	25,840	10,156	294,398	14,745	176,732	26,815	1,599	3,389	22,789	552,212	360,735
12	1,425,269	846,831	13,200	10,980	92,886	43,900	583,753	5,602			96,184	1,500,767	610,763
13	1,637,274	3,332,178	52,670	73,707	727,453	13,717	2,092,461	60,381	5,526	107,969	198,804	3,682,468	1,576,290
14	403,342	1,677,201	19,660	51,585	252,131	7,741	639,452	28,143	1,349	13,644	63,396	1,224,563	577,170
15	2,440,324	4,649,744	92,084	334,987	152,607	24,506	3,524,402	57,338	8,318		455,502	4,972,739	1,433,831
16	432,292	229,441	9,576	6,108	39,132	2,790	149,497	1,290	2,465	4,170	14,503	271,526	119,239
17	1,151,450	1,532,208	70,572	67,107	249,427	25,479	904,048	58,049	3,044		154,482	1,717,508	788,071
18	1,196,560	1,546,173	32,474	20,772	219,538	3,585	1,190,793	9,948	5,256		63,807	1,633,925	409,547
19	5,190,542	3,322,638	123,387	78,141	947,381	29,725	1,842,607	58,716	8,545	4,782	229,954	3,644,658	1,772,926
20	163,140	284,543	17,575	12,820	77,311	3,239	139,482	9,566	360	900	33,290	322,040	179,319
21	34,215	62,298	3,076	3,857	24,404	3,672	19,717	3,512	147		3,913	69,873	46,484
22	1,632,348	2,650,901	25,932	58,191	88,651	21,917	2,380,815	4,800	2,969		67,626	2,781,354	378,622
23	1,956,210	2,188,807	68,680	59,907	191,664	23,217	1,655,517	19,480	3,791		166,542	2,435,567	756,833
24	10,849,081	9,150,014	437,633	296,967	2,689,886	175,275	4,725,985	149,974	32,713	66,860	574,708	9,922,401	4,721,128
25	241,964	488,353	5,400	15,110	42,650	669	367,717	6,023	979		49,787	564,368	195,982
26	2,180,051	2,750,576	84,562	56,988	1,016,633	24,618	1,301,044	88,795	6,024	31,138	130,774	3,057,409	1,721,738
27	1,129,061	846,788	52,837	68,810	256,813	12,196	417,616	14,939	2,462		29,115	917,325	487,513
28	323,662	265,071	6,170	13,030	79,493	1,118	147,224	2,896	327	900	13,913	300,640	152,298
29	109,963	147,611	13,773	23,492	52,447	1,371	42,250	12,303	125		1,850	161,301	117,680
30	1,659,395	211,117	15,689	7,056	69,140	59,062	13,944		5,379	8,618	32,238	302,283	229,277
31	221,460	1,013,230	21,120	15,817	366,894	8,231	493,691		34,520	561	72,306	1,121,151	619,229
32	724,691	696,063	22,793	20,539	3,689	344,754	18,520	1,897			68,120	842,776	494,333
33	2,479,329	3,287,725	70,162	132,691	415,217	30,006	2,624,039	1,800	4,670		122,425	3,622,171	967,526
34	7,567,207	2,971,499	129,150	91,187	508,241	81,183	814,106	12,510	496,327		838,405	3,452,492	2,587,231
35	137,776	219,554	5,700	11,900	14,320	540	134,041	6,120	8,798		38,135	236,821	102,240
36	2,832,701	4,081,117	179,533	95,310	1,346,671	40,941	2,092,442	115,684	11,721	2,910	196,085	4,377,645	2,244,262
37	1,221,433	1,529,253	68,238	64,312	413,111	24,839	772,530	17,636	6,357	109,979	52,231	1,634,982	837,613
38	782,699	985,054	43,733	34,932	172,549	8,938	568,358	22,598	2,133		133,713	1,036,246	459,900
39	212,433	254,219	10,800	9,910	60,639	2,152	146,102	11,670	191		13,355	298,861	120,607
40	57,890	127,558		3,400	66,673	3,250	41,260	6,989	170	254	6,102	153,149	108,639
41	60,223	39,326	2,800	530	17,869	681	13,182	1,170	351		2,743	53,556	39,693
42	728,875	622,900	38,660	18,222	60,459	10,819	445,077	8,220	2,453		39,050	757,914	302,038
43	644,029	838,154	82,285	71,638	82,223	6,381	373,677	21,904	4,303	340	186,383	989,062	603,694
44	108,302	209,437	20,386	17,704	105,201	4,063	29,872	10,150	273		21,758	228,051	194,086
45	7,100,659	10,650,236	577,082	1,317,569	3,094,155	99,665	3,056,810	250,649	17,519	506,884	1,769,903	12,201,232	9,044,757
46	34,135	57,900	1,716	900	20,897	564	27,864	2,100	122		3,737	61,303	34,875
47	2,036,492	9,742,956	67,935	67,439	337,597	39,892	8,803,686	31,920	7,228		327,369	10,259,912	3,241,244
48	855,225	1,524,946	35,681	49,632	433,756	2,111	612,361	35,465	181,835	10,062	174,143	1,833,203	1,218,831
49	63,004,964	33,717,795	740,794	1,060,211	5,214,062	1,298,786	22,548,318	388,431	231,665	224,897	2,047,721	38,153,423	14,346,322

and instrument cases, 2; kaolin and ground earths, 1; labels and tags, 3; lapidary work, 3; lead, bar, pipe, and sheet, 1; looking-glass and picture frames, 8; malt, 3; mineral and soda waters, 14; mirrors, 3; musical instruments and materials, not specified, 2; cake, 2; oil, not elsewhere specified, 4; optical goods, 2; paper goods, not elsewhere specified, 6; photographic apparatus and materials, 2; pumps, not including steam pumps, 2; roofing materials, 1; rubber goods, not elsewhere specified, 3; safes and vaults, 1; saws, 1; shipbuilding, including boat building, 10; shoddy, 1; signs and advertising novelties, 4; silk and silk goods, including throwsters, 1; silverware and plated ware, 1; soap, 8; sporting and athletic goods, 3; springs, steel, car and carriage, 1; stationary goods, not elsewhere specified, 1; statutory and art goods, 9; steam packing, 2; stereotyping and electrotyping, 2; stoves and furnaces, including gas and oil stoves, 4; sugar, refined, not including beet sugar, 1; sulphuric, acid, and mixed acids, 1; surgical appliances and artificial limbs, 4; type foundry and printing materials, 2; typewriters and supplies, 1; upholstering materials, 3; vault lights and ventilators, 1; vinegar and cider, 2; wall plaster, 3; whips, 1; window shades and fixtures, 6; wirework, including wire rope and cable, 5; wood, turned and carved, 4; wool scouring, 1.

## CITIES OF 10,000 TO 50,000 INHABITANTS—ALL INDUSTRIES COMBINED.

1	\$3,002,220	\$2,307,410	\$105,410	\$865,482	\$796,947	\$57,773	\$871,578	\$16,902	\$24,747	\$8,226	\$306,341	\$2,554,417	\$1,625,064
2	1,791,474	2,585,056	42,180	51,943	664,325	58,399	1,641,292	12,885	880	.....	100,671	2,818,744	1,119,033
3	3,464,093	4,124,822	117,905	136,292	839,963	94,818	2,692,063	30,445	27,063	2,030	244,141	4,435,374	1,748,495
4	3,306,220	2,710,000	67,009	56,976	673,243	42,181	1,451,804	12,632	45,044	133,326	227,785	3,011,662	1,517,697
5	4,933,094	10,377,223	191,501	136,679	1,102,582	148,865	7,843,425	46,384	170,380	12,954	724,453	11,000,195	3,097,965
6	1,325,876	847,008	34,386	52,763	206,975	54,555	444,015	11,638	11,755	838	30,283	927,180	428,810
7	1,346,932	1,474,303	50,045	67,486	379,875	42,276	811,128	11,860	11,355	15,816	64,462	1,724,304	870,960
8	628,807	447,841	6,520	15,412	152,419	25,077	205,269	6,918	4,914	.....	775,380	4,455,374	1,748,495
9	1,184,473	21,648	49,622	100,327	29,565	209,040	6,319	6,239	.....	207	28,578	518,320	279,715
10	1,011,927	1,000,010	18,429	31,112	213,594	43,016	624,222	8,608	7,036	2,095	51,898	1,177,962	510,724
11	109,167	127,848	345,551	270,664	3,917,667	334,236	6,559,262	75,591	226,333	22,734	1,031,442	13,976,911	7,083,413
12	1,242,110	1,559,669	25,763	68,707	639,079	68,841	694,443	6,800	16,104	.....	39,932	1,659,705	886,421
13	5,525,551	4,090,192	127,845	135,667	806,307	101,944	2,501,396	56,890	6,422	.....	1,876	4,740,900	2,074,130
14	3,315,492	5,068,338	126,617	127,365	196,898	156,898	3,106,181	51,453	220,791	12,534	372,347	5,610,427	2,367,343
15	844,508	1,034,458	34,027	29,103	196,864	30,164	666,125	13,339	6,805	1,282	56,749	1,109,195	472,906
16	2,605,342	1,057,828	50,001	27,301	210,874	23,238	644,647	9,053	25,196	16,500	51,028	1,161,269	493,394
17	8,249,970	10,673,035	194,951	180,919	1,305,544	125,018	8,195,150	28,431	83,776	6,569	552,680	11,849,252	3,529,084
18	1,559,454	1,760,811	33,600	41,666	183,634	36,084	1,367,909	7,106	17,148	.....	73,664	1,885,502	491,560



## CHAPTER 6.

### MINES AND QUARRIES.

**Introduction.**—The present chapter contains a complete statement of the statistics of all mining industries which include all mines, quarries, and wells in the state of California for the year 1909, as shown by the Thirteenth Census.

A brief explanation of the scope of the census of mining industries and of the terms used, in so far as the usage differs from that followed in the census of manufactures, is presented below in order to prevent any misinterpretation of the statistics.

The explanations here given show the usage of the mining census generally, though some of the special rules have obviously no relation to particular states which the industries referred to do not exist.

**Scope of census.**—The Thirteenth Census covered all classes of mines, quarries, and petroleum and gas wells that were in operation during any portion of the year 1909, both those which were producing and those whose operations were confined to development work. Mines, quarries, or wells that were idle during the entire year 1909 were omitted from the canvass. The following operations were likewise omitted from the canvass: Prospecting; the digging or dredging of sand and gravel for the construction of roads and for building operations; the production of mineral waters; and the operation of small bituminous coal banks producing less than 1,000 tons annually.

Where the mineral products are not marketed in their crude condition, but are dressed or washed at the mine or quarry, the statistics of mining cover the entire work of obtaining the crude material and its preparation for the market.

**Period covered.**—The returns cover the calendar year 1909, or the business year which corresponds most nearly to that calendar year. The statistics cover a year's operations, except for enterprises which began or discontinued business during the year.

**Number of operators.**—As a rule, the unit of enumeration was the "operator." Every individual, firm, or corporation was required to furnish one report for all mines, quarries, or wells which were operated under the same management or for which one set of books of account was kept. Separate reports were obtained for all properties operated in different states, even where they were owned by the same operator. Likewise, where the operations of one individual, firm, or corporation covered more than one class of mines and quarries, such as coal, iron, limestone, etc., a separate report was received for each industry.

**Number of mines, quarries, and wells.**—This figure represents the total number of mines and quarries in operation or in the course of development at any time during the calendar year 1909, or the business year that corresponds most nearly to that calendar year, and the number of completed petroleum and natural gas wells in operation on December 31, 1909.

In most mining and quarrying industries the number of mines or quarries varies but little from the number of operators.

**Expenses of operation and development.**—A certain amount of development work is incidental to the operation of every mine. The expenses reported for producing mines include the cost both of operation and of development work which was done in connection with operation.

**Wages.**—The amount shown as wages includes only the compensation of regular wage earners hired by the day, week, or month, or under the piecework system.

**Supplies and materials.**—This item includes the cost of lumber and timber used for repairs, mine supports, track ties, etc.; iron and steel for blacksmithing; rails, frogs, sleepers, etc., for tracks and repairs; renewals of tools and machinery and materials for repairs; and supplies, explosives, oil, etc., as well as the cost of fuel and the rent of power. The schedule called only for the cost of such supplies and materials as had been used during the year covered by the report. Accurate figures, however, could be furnished only in those cases where the operators kept an account of supplies and materials used, or had an inventory made of all in stock at the beginning and at the end of the year. Such a system of accounting is far from general among mine operators, and there is reason to believe that in many cases the reported cost of supplies and materials covered all purchased during the year rather than those used during the year. The crude product of some operators was purchased by others for further dressing or refining; the cost of such materials is shown separately in the general table.

**Capital.**—The census schedule required every operator to state the total amount of capital invested in the enterprise on the last day of the business year reported, as shown by his books. There is, however, a great diversity in the methods of bookkeeping in use by different operators. As a result, the statistics for capital lack uniformity. Some of the figures reported apparently represent capital stock at face value; others include large investments in mineral lands which are not at present being actively mined, but are held in reserve; still others may include expenditures for unproductive mining ventures in no way related to the operations carried on during the census year.

**Persons engaged in mining industries.**—The statistics of the number of operators and officials, clerks, and wage earners, are based on the returns for December 15, or the nearest representative day. The reported number of wage earners includes overseers and foremen performing work similar to that of the men over whom they have charge; those whose duties are wholly supervisory are classed as superintendents and managers. Because of the common practice of shutting down mines at frequent intervals, it is impossible to ascertain with any satisfactory degree of accuracy the average number of employees—that is, the number who, if continuously employed, would be required to produce the actual output of the year.

**Value of products.**—Statistics of the value of mineral products were obtained by the Bureau of the Census in cooperation with the United States Geological Survey, but the two bureaus follow different methods in presenting these statistics. The Geological Survey shows separately the value of each mineral product, whereas the Bureau of the Census presents the value of products of each mining industry. The value of products given for a mining industry often includes the value of some products not covered by the industry designation. The crude product of metalliferous mines may include varying combinations of metals, such as gold, silver, copper, lead, zinc, and iron. Similarly, the total value of all products of the granite quarries is not identical with the value of the total output of granite, but may include the value of some marble or other stone quarried in connection with the principal product.

The value of products for 1909 in most cases represents the value of the products marketed during that year, not the value of those mined during that year.

## MINING IN CALIFORNIA.

**Summary.**—Statistics for all mining enterprises in the state of California, including smelters, concentrating mills, and cyaniding plants operated in connection with gold and silver and copper mines, are presented in Table 8. This table gives statistics for all industries combined and for producing enterprises separately in all cases where the statistics could be given without disclosing the operations of an individual enterprise. Statistics for the most important nonproducing enterprises are also given separately.

The gross output of all mining industries in California in 1909 was valued at \$63,382,454. Deducting from this amount, \$2,762,660, the value of the gold and silver and copper ore sold by some establishments and used as materials by others, and the natural gas sold by some producers to others who sold it again, leaves \$60,619,794 as the net value of the products. Of this amount, petroleum and natural gas contributed \$29,306,185, or almost one-half. Gold and silver mining, the industry second in importance, reported products valued at \$18,324,618, of which amount, \$9,573,586 was produced at deep mines, and \$8,751,032 at placer mines. The next industry in importance was the production of copper, the net value of which amounted to \$7,463,233. California ranked fifth among the states in the total net value of all mineral products, second in the value of petroleum and natural gas, and second and fifth, respectively, in the value of gold and silver and copper produced.

In the operation of gypsum mines the expenses of operation and development exceeded the value of the products. This was due in part to unprofitable mining ventures and in part to expenditures for development work which added to the permanent value of the mining properties.

**Character of organization.**—Table 1 classifies the producing mining operations of the state under form of organization, distinguishing corporations from individual owners and firms, while Table 2 gives further details for incorporated enterprises distinguished from those which are unincorporated. Out of a total of 1,329 operators for all industries combined, 587, or 44.2 per cent, were corporations. These corporations reported 91 per cent of the total value of products and employed 85 per cent of all wage earners. In the petroleum and natural gas industry 95.7 per cent of the value of products was reported by corporations.

Table 1

INDUSTRY AND CHARACTER OF ORGANIZATION.	Number of operators.	Number of wage earners.	PRODUCING ENTERPRISES: 1909				
			Value of products.		Per cent distribution.		
			Total.	Per operator.	Operators.	Wage earners.	Value of products.
<b>All industries.</b> .....	1,329	23,338	\$63,382,454	\$47,892	100.0	100.0	100.0
Individual.....	364	1,432	2,514,038	6,907	27.4	6.1	4.0
Firm.....	371	1,992	3,127,978	8,431	27.9	8.5	4.9
Corporation.....	587	19,852	57,651,197	98,213	44.2	85.0	91.0
Other.....	7	82	89,241	12,749	0.5	0.4	0.1
<b>Petroleum and natural gas.</b> .....	339	7,007	29,310,335	\$8,461	100.0	100.0	100.0
Individual.....	49	166	943,566	19,256	14.5	2.4	3.2
Firm.....	26	66	303,559	11,675	7.7	0.9	1.0
Corporation.....	264	6,775	28,663,210	106,300	77.9	96.7	95.7
<b>Gold and silver.</b> .....							
<b>Deep mines.</b> .....	395	6,622	9,690,956	24,534	100.0	100.0	100.0
Individual.....	103	531	616,678	5,987	26.1	8.0	6.4
Firm.....	152	897	1,072,531	7,056	38.5	13.5	11.1
Corporation.....	136	5,146	7,976,255	58,649	34.4	77.7	82.3
Other.....	4	48	25,492	6,373	1.0	0.7	0.3
<b>Placer gold.</b> .....	392	3,073	8,751,032	22,324	100.0	100.0	100.0
Individual.....	148	366	526,837	3,560	37.8	11.9	6.0
Firm.....	161	522	538,870	3,947	41.1	17.0	6.2
Corporation.....	83	2,185	7,685,325	92,594	21.2	71.1	87.8

Table 2

	Incorporated.	Unincorporated.
Number of operators.....	587	742
Number of mines and quarries.....	463	816
Number of wells.....	3,777	539
Proprietors and firm members, total.....		1,799
Number performing manual labor.....		856
<b>Salaries:</b>		
Officers of corporations.....	370	
Superintendents and managers.....	684	74
Clerks and other salaried employees.....	879	55
Wage earners, Dec. 15, 1909, or nearest representative day.....	19,852	3,506
Capital.....	\$236,335,964	\$17,041,588
Expenses of operation and development.....	47,564,683	5,000,595
<b>Salaries—</b>		
Officers of corporations.....	675,183	
Superintendents and managers.....	1,936,724	143,380
Clerks and other salaried employees.....	731,900	59,592
<b>Wages</b> .....	16,689,888	2,359,554
Royalties and rent of mines.....	2,299,982	514,277
Taxes.....	508,834	68,112
Supplies and miscellaneous expenses.....	22,929,602	1,463,590
Cost of ore purchased and of natural gas purchased and resold.....	2,370,570	392,090
Value of products.....	57,651,197	5,731,257

**Size of enterprises.**—In Table 3 the producing mining enterprises are classified according to the number of wage earners employed per enterprise or operating unit. Of the 1,333 enterprises reported, only 44 employed over 100 wage earners each. These enterprises, however, reported 45 per cent of all wage earners. In the copper industry 7 enterprises, each of which employed over 100 wage earners, reported 85.4 per cent of the wage earners in that industry.



Table 3

INDUSTRY AND WAGE EARNERS PER ENTERPRISE.	PRODUCING ENTERPRISES: 1909			
	Enterprises.		Wage earners.	
	Number.	Per cent distribution.	Number.	Per cent distribution.
<b>All industries</b> .....	<b>1,333</b>	<b>100.0</b>	<b>23,358</b>	<b>100.0</b>
No wage earners.....	179	13.4		
Contract work and part-time employees.....	55	4.1		
1 to 5.....	530	39.8	1,374	5.9
6 to 20.....	349	26.2	3,904	16.7
21 to 50.....	128	9.6	4,043	17.3
51 to 100.....	48	3.6	3,518	15.1
Over 100.....	44	3.3	10,519	45.0
<b>Petroleum and natural gas</b> .....	<b>342</b>	<b>100.0</b>	<b>7,007</b>	<b>100.0</b>
No wage earners.....	10	2.9		
Contract work and part-time employees.....	50	14.6		
1 to 5.....	98	28.7	1,304	4.3
6 to 20.....	132	38.6	1,479	21.1
21 to 50.....	31	9.1	969	13.8
51 to 100.....	9	2.6	586	8.4
Over 100.....	12	3.5	3,669	52.4
<b>Copper</b> .....	<b>14</b>	<b>100.0</b>	<b>2,510</b>	<b>100.0</b>
1 to 100.....	7	50.0	396	14.6
Over 100.....	7	50.0	2,144	85.4
<b>Gold and silver, Deep mines</b> .....	<b>395</b>	<b>100.0</b>	<b>6,622</b>	<b>100.0</b>
No wage earners.....	79	17.7		
Contract work.....	2	0.5		
1 to 5.....	162	41.0	414	6.3
6 to 20.....	86	21.8	967	14.6
21 to 50.....	46	11.6	1,362	20.6
51 to 100.....	13	3.3	1,040	15.7
Over 100.....	16	4.1	2,839	42.9
<b>Placer gold</b> .....	<b>392</b>	<b>100.0</b>	<b>3,073</b>	<b>100.0</b>
No wage earners.....	96	24.5		
Contract work.....	1	0.3		
1 to 5.....	197	50.3	458	14.9
6 to 20.....	71	18.1	774	25.2
21 to 50.....	18	4.6	638	20.8
Over 50.....	9	2.3	1,203	39.1

**Persons employed in mining.**—While the petroleum and natural gas industry ranks first among the mining enterprises when measured by the value of products, gold and silver holds the first place when measured by the number of persons employed, the total number employed in deep and placer mines aggregating 11,768, as compared with 8,081 engaged in the petroleum and natural gas industry. Of the total of 31,938 persons employed in all industries on December 15, 1909, or the nearest representative day, 26,978 were wage earners, 2,509 were salaried employees, and 2,451 were proprietors and firm members, of whom 1,145 performed manual labor in or about the mines.

**Prevailing hours of labor.**—In Table 4 all producing mines and quarries, except those employing no wage earners and those operated exclusively by contract work and part-time employees, have been classified according to the prevailing hours of labor in each enterprise or operating unit. Petroleum and natural

gas wells are not included in the table because the lack of regularity in the number of hours worked per day in a large number of enterprises rendered such classification impracticable. The table shows the percentage of the total number of enterprises falling in each group, and also a per cent distribution in which each enterprise has been given a weight according to the total number of wage earners employed December 15, 1909, or the nearest representative day. It should be borne in mind that this latter distribution does not show the exact proportion of the total number of wage earners working the specified number of hours per day, since, in some cases, a part of the employees worked a greater or less number of hours than those generally prevailing in the enterprise.

For all industries combined and for each of the principal industries a day of eight hours prevailed in over three-fourths of the enterprises weighted according to the number of wage earners.

Table 4

INDUSTRY AND HOURS PER DAY.	PRODUCING ENTERPRISES: 1909		
	Enterprises.		Per cent distribution of enterprises weighted according to number of wage earners.
	Number.	Per cent distribution.	
<b>All industries</b> <sup>1</sup> .....	<b>820</b>	<b>100.0</b>	<b>100.0</b>
8 hours and under.....	603	73.5	79.9
9 hours.....	103	12.6	10.2
10 hours.....	109	13.3	9.6
11 hours.....	2	0.2	0.1
12 hours.....	3	0.4	0.1
<b>Copper</b> .....	<b>18</b>	<b>100.0</b>	<b>100.0</b>
8 hours.....	14	87.5	94.6
9 hours.....	2	12.5	5.4
<b>Gold and silver, Deep mines</b> .....	<b>323</b>	<b>100.0</b>	<b>100.0</b>
8 hours and under.....	293	90.7	97.0
9 hours.....	17	5.3	2.3
10 hours.....	12	3.7	0.7
12 hours.....	1	0.3	( <sup>2</sup> )
<b>Placer gold</b> .....	<b>295</b>	<b>100.0</b>	<b>100.0</b>
8 hours and under.....	201	68.1	77.5
9 hours.....	29	9.8	13.7
10 hours.....	63	21.4	8.3
11 hours.....	1	0.3	0.2
12 hours.....	1	0.3	0.2

<sup>1</sup> Exclusive of petroleum and natural gas.

<sup>2</sup> Less than one-tenth of 1 per cent.

**Engines and power.**—As shown by Table 5, the aggregate horsepower employed in producing mining enterprises was 162,238, of which 118,986 was developed by engines and water wheels and motors owned by the operators using them, and 43,252 horsepower by

electric motors operated by purchased current. In the petroleum and natural gas industry 76,589 horsepower was employed, while in gold and silver (deep mines) 40,360 horsepower was employed.

In addition to the power used by the producing enterprises, 18,826 horsepower was employed by non-producing enterprises, making a total of 181,064 horsepower employed in all enterprises in the state.

Table 5

CHARACTER OF POWER.	PRODUCING ENTERPRISES: 1909										
	Total.	Petroleum and natural gas.	Copper.	Gold and silver, Deep mines.	Placer gold.	Granite.	Trap-rock.	Limestone.	Sandstone.	Quick-silver.	All other.
<b>Primary power:</b>											
Aggregate horsepower.....	162,238	76,589	11,157	40,360	18,867	3,381	7,684	425	1,214	727	1,044
Owned.....	118,986	76,559	3,434	27,951	3,392	2,124	1,913	260	954	727	882
Steam engines—											
Number.....	3,022	2,712	19	160	23	49	22	2	14	8	5
Horsepower.....	73,150	56,638	3,390	7,103	800	1,781	1,015	50	954	487	182
Gas or gasoline engines—											
Number.....	1,118	930	1	104	12	17	15	4	.....	6	1
Horsepower.....	24,353	19,921	44	1,937	279	311	898	210	.....	123	28
Water wheels—											
Number.....	1,520	.....	.....	2,417	389	1	.....	.....	.....	4	49
Horsepower.....	21,483	.....	.....	18,911	2,313	32	.....	.....	.....	117	110
Electric motors operated by purchased current—											
Number.....	972	3	120	265	396	26	140	7	8	.....	7
Horsepower.....	43,252	30	7,723	12,409	15,475	1,257	5,771	165	260	.....	162
<b>Electric motors run by current generated by enterprise using:</b>											
Number.....	159	6	12	93	23	8	7	.....	.....	9	1
Horsepower.....	4,829	100	145	3,395	625	310	60	.....	.....	179	15

<sup>1</sup> Includes 61 water motors of 902 horsepower.

<sup>2</sup> Includes 49 water motors of 806 horsepower.

<sup>3</sup> Includes 4 water motors of 12 horsepower.

<sup>4</sup> Includes 5 water motors of 85 horsepower.

**Nonproducing enterprises.**—Table 6 presents statistics comparing producing and nonproducing enterprises. In the latter are included the enterprises which were still in the development stage as well as those which were productive in the past but whose operations in 1909 were confined to the maintenance of the property or to development work with a view to renewing production. Out of a total of 2,021 operators, 692, or 34.2 per cent, were of this class, and the capital invested by them represented 11 per cent of the total capital invested in all mining enterprises. The principal industries in which the nonproducing activities occurred were in the production of gold and silver and petroleum and natural gas. Of the \$31,260,935 of capital invested in all nonproducing enterprises, \$18,100,862 was invested in gold and silver mines, of which \$15,954,784 represented the investment in deep mines and \$2,146,078 the investment in placer mines. Thus of the total investment in non-producing enterprises, 57.9 per cent was invested in the two types of gold and silver mines. Petroleum and natural gas, the industry next in importance in this group, reported a capital investment of \$11,904,813.

Table 6

	All enterprises.	Producing enterprises.	NONPRODUCING ENTERPRISES.	
			Number or amount.	Per cent of total.
Number of operators.....	2,021	1,329	692	34.2
Number of mines, quarries, and wells.....	6,510	5,595	915	14.1
Persons engaged in industry.....	31,938	27,219	4,719	14.8
Proprietors and firm members, total.....	2,451	1,799	652	26.6
Number performing manual labor.....	1,145	856	289	25.2
Salaries employees.....	2,509	2,062	447	17.8
Wage earners, Dec. 15, 1909, or nearest representative day.....	26,978	23,358	3,620	13.4
Above ground.....	18,381	16,287	2,094	11.4
Below ground.....	8,597	7,071	1,526	17.8
Engineers, firemen, mechanics, etc.....	8,660	7,458	1,202	13.9
Miners, miners' helpers, quarrymen, and stonecutters.....	11,962	10,107	1,855	15.5
All other employees.....	6,356	5,793	563	8.9
Land controlled, acres.....	1,062,596	827,285	235,311	22.1
Primary horsepower.....	181,064	162,238	18,826	10.4
Capital.....	\$284,838,487	\$253,577,552	\$31,260,935	11.0
Expenses of operation and development.....	61,251,185	52,565,278	8,685,907	14.2
Services.....	24,531,641	22,018,221	2,513,420	10.2
Salaries.....	3,378,805	2,968,779	410,026	12.1
Wages.....	21,152,836	19,049,442	2,103,394	9.9
Supplies, including fuel and rent of power.....	29,830,100	24,327,955	5,502,145	18.4
Contract work.....	783,973	595,130	188,843	24.1
Rent of offices and other sundry expenses.....	6,105,471	5,623,972	481,499	7.9

The total expenditure during the year by nonproducing mines was \$8,685,907, or 14.2 per cent of the total expenditures by all mines and quarries. Of the total number of wage earners employed, 13.4 per cent were employed in these nonproducing enterprises. This, however, does not represent the total number of persons engaged in such industries, since persons employed in prospecting are omitted from the statistics.

**Comparison of mining industries: 1902-1909.**—In order to make comparisons between 1909 and 1902 it is necessary to omit from the 1902 figures, as given in the mines and quarries report for that year, statistics for the production of cement and enterprises operated by governmental institutions; to omit from the 1909 figures, as they appear in other tables in this chapter, statistics for the operation of copper smelters; and to add to the 1909 statistics, figures for the production of lime, which were omitted from the census of mines and quarries in 1909. Such items as are comparable for the two years are presented in Table 7.

The greater part of the increase in the value of products in California was due to the increased production of petroleum and natural gas, the value of which

increased from less than \$5,000,000 in 1902 to over \$29,000,000 in 1909.

Table 7

	PRODUCING ENTERPRISES.		
	1909	1902	Per cent of increase. <sup>1</sup>
Wages and salaries.....	\$21,430,590	\$12,842,486	66.9
Supplies and materials.....	\$29,463,653	\$5,533,635	269.8
Royalties and rent of mines.....	\$2,814,920	\$685,982	310.3
Contract work.....	\$406,568	\$520,894	-4.7
Value of products.....	\$59,012,946	\$28,611,307	106.3
Primary horsepower.....	155,115	69,532	123.1

<sup>1</sup> A minus sign (-) denotes decrease.

<sup>2</sup> Exclusive of amount paid to miners compensated by a share of the product and also of the wages of part-time employees for the petroleum and natural gas industry, which are included under "Contract work," in Table 8.

**Duplication between manufactures and mining.**—In a number of industries some of the operators subjected the products obtained to certain manufacturing processes on the premises before marketing. These enterprises have been included in the statistics both for manufactures and for mining. As a result of this fact the combined value of products for the manufacturing and mining industries in California involves a duplication of \$9,317,878.

Table 8		PRODUCING MINES, QUARRIES, AND WELLS.								
		Aggregate.	Total.	Petroleum and natural gas.	Copper.	Gold and silver, Deep mines.	Placer gold.	Granite.	Traprock.	Lime-stone.
1	Number of operators.....	2,021	1,329	339	9	395	392	62	43	11
2	Number of mines, quarries, and wells.....	6,510	5,595	4,316	16	551	435	71	59	15
3	Capital.....	\$284,838,487	\$253,577,552	\$144,176,437	\$15,082,963	\$38,104,583	\$40,698,628	\$1,756,610	\$2,415,931	\$424,327
4	Expenses of operation and development.....	\$61,251,185	\$52,565,278	\$25,210,087	\$7,749,834	\$9,467,344	\$5,608,855	\$1,225,519	\$1,317,499	\$306,479
5	Services—									
6	Salaried officers of corporations, superintendents, and managers.....	\$2,551,869	\$2,177,287	\$952,269	\$123,322	\$441,471	\$268,719	\$63,654	\$97,554	\$20,869
7	Clerks and other salaried employees.....	\$826,936	\$791,492	\$353,526	\$99,979	\$102,723	\$50,192	\$16,922	\$32,526	\$4,605
8	Wage earners.....	\$21,152,836	\$19,049,442	\$6,727,857	\$2,398,914	\$5,135,333	\$2,120,827	\$917,535	\$658,008	\$163,432
9	Miscellaneous—									
10	Supplies.....	\$24,053,469	\$18,789,652	\$12,532,920	\$1,225,058	\$2,302,615	\$1,991,334	\$110,740	\$352,905	\$65,162
11	Cost of ore purchased and natural gas purchased and resold.....	\$2,762,660	\$2,762,660	\$4,150	\$2,641,140	\$117,370				
12	Fuel and rent of power.....	\$3,013,971	\$2,775,643	\$126,766	\$1,085,253	\$769,969	\$541,991	\$45,346	\$77,350	\$9,331
13	Royalties and rent of mines.....	\$2,848,961	\$2,814,259	\$2,460,983	\$29,212	\$84,791	\$123,595	\$22,538	\$75,561	\$5,732
14	Taxes.....	\$626,456	\$576,956	\$276,609	\$48,603	\$122,656	\$91,000	\$9,158	\$7,115	\$1,301
15	Contract work.....	\$783,973	\$895,130	\$272,633		\$90,842	\$73,054		\$13,922	\$24,641
16	Rent of offices and other sundry expenses.....	\$2,630,954	\$2,232,767	\$1,502,314	\$98,353	\$290,574	\$348,233	\$39,626	\$102,558	\$11,386
17	Value of products.....	\$53,382,454	\$63,382,454	\$29,310,335	\$10,104,373	\$9,690,956	\$8,751,932	\$1,518,916	\$1,404,401	\$388,486
18	Persons engaged in industry.....	\$31,938	\$27,219	8,081	2,635	7,898	3,872	1,445	1,417	255
19	Proprietors and officials.....	\$3,934	\$2,927	651	33	1,173	721	104	90	19
20	Proprietors and firm members.....	2,451	1,113	2,451	9	589	589	65	22	6
21	Number performing manual labor.....	1,145	856	13		337	421	50	2	3
22	Salaried officers of corporations.....	\$484	\$370	193	10	57	35	16	29	5
23	Superintendents and managers.....	\$999	\$758	345	23	167	97	23	39	8
24	Clerks and other salaried employees.....	\$1,025	\$834	423	92	101	78	23	65	22
25	Wage earners, Dec. 15, 1909, or nearest representative day.....	26,978	23,358	7,007	2,510	6,622	3,073	1,318	1,262	244
26	Above ground.....	18,381	16,287	7,007	1,203	1,842	2,494	1,318	1,262	244
27	Below ground.....	8,597	7,071	1,307	470	4,780				
28	Men 16 years of age and over.....	26,970	23,350	7,006	2,510	6,617	3,073	1,316	1,262	244
29	Engineers, firemen, mechanics, etc.....	8,669	7,458	5,049	325	1,045	596	147	137	15
30	Above ground.....	8,391	7,238	5,049	234	955	567	147	137	15
31	Below ground.....	269	220	91	91	29				
32	Miners, miners' helpers, quarrymen, and stonecutters.....	11,962	10,107	1,172	4,279	1,697	956	956	966	192
33	Above ground.....	4,286	3,898	18	141	1,153	956	956	966	192
34	Below ground.....	7,676	6,209	1,154	4,138	544				
35	All other employees.....	6,348	5,785	1,957	1,013	1,293	213	213	159	37
36	Above ground.....	5,698	5,145	1,957	951	743	774	213	159	37
37	Below ground.....	650	640	62	550	6				
38	Boys under 16 years of age.....	8	8	1		5		2		
39	Number of wage earners employed on the 15th day of each month:									
40	January.....	20,597	19,077	5,657	2,150	5,321	2,403	1,159	1,023	256
41	February.....	20,507	18,974	5,659	2,219	5,256	2,407	1,102	1,000	245
42	March.....	21,154	19,583	5,910	2,256	5,434	2,337	1,164	1,213	214
43	April.....	21,794	20,960	6,122	2,206	5,403	2,392	1,124	1,387	217
44	May.....	22,409	20,558	6,199	2,245	5,520	2,544	1,097	1,445	235
45	June.....	22,401	20,458	5,992	2,255	5,688	2,534	1,164	1,411	229
46	July.....	23,133	20,957	6,261	2,459	5,667	2,568	1,181	1,326	249
47	August.....	23,271	20,898	6,257	2,517	5,610	2,487	1,244	1,308	275
48	September.....	23,823	21,501	6,471	2,635	5,720	2,544	1,378	1,271	261
49	October.....	24,039	21,427	6,714	2,678	5,631	2,501	1,239	1,249	248
50	November.....	23,812	21,162	6,796	2,617	5,447	2,452	1,189	1,305	247
51	December.....	24,155	21,516	6,971	2,481	5,633	2,526	1,284	1,218	242
52	Land controlled, acres.....	1,062,596	827,285	455,444	9,957	108,795	123,158	7,743	6,955	1,751
53	Owned.....	588,234	427,112	107,074	9,877	97,019	108,741	7,062	2,389	1,454
54	Held under lease.....	474,362	400,173	348,370	80	11,776		681	4,566	297
55	Mineral and oil land.....	990,885	765,805	455,444	6,817	98,502	110,251	7,400	4,937	1,666
56	Owned.....	521,923	370,667	107,074	6,737	88,043	104,094	6,719	1,544	1,454
57	Held under lease.....	468,962	395,138	348,370	80	10,259	12,157	681	3,393	212
58	Timber land.....	13,305	12,545			6,702	700	73		
59	Other land.....	58,406	48,935		3,140	3,791	6,207	270	2,018	85
60	Primary horsepower.....	181,064	162,238	76,589	11,157	40,360	18,867	3,381	7,884	425

<sup>1</sup> Includes operators as follows: Asphalt and bituminous rock, 2; bituminous coal, 2; borax, 2; feldspar, 1; fuller's earth, 1; infusorial earth, 2; mineral pigments, 2; pyrite, 1; slate, 1; talc and soapstone, 1.

<sup>2</sup> Includes operators as follows: Asbestos, 1; bituminous coal, 1; borax, 1; clay, 2; feldspar, 1; graphite, 1; gypsum, 3; infusorial earth, 1; limestone, 1; lithium, 1; magnesite, 1; manganese, 1; marble, 3; mineral pigments, 1; molybdenum, 2; precious stones, 4; tungsten, 2.

<sup>3</sup> Includes \$2,307,793 which could not be distributed among the several industries.

## STATISTICS OF MINES AND QUARRIES.

721

## MINING INDUSTRIES: 1909.

	PRODUCING MINES, QUARRIES, AND WELLS—continued.									NONPRODUCING MINES, QUARRIES, AND WELLS.					
	Sand- stone.	Marble.	Quick- silver.	Tung- sten.	Precious stones.	Gypsum.	Clay (sold as such).	Magne- siste.	All other. <sup>1</sup>	Total.	Gold and silver, Deep mines.	Placer gold.	Petroleum and natural gas.	Quick- silver.	All other. <sup>2</sup>
1	19	6	10	3	7	5	7	6	15	692	397	85	168	15	27
2	20	15	10	9	8	12	8	13	16	915	709	115	24	25	42
3	\$181,226	\$514,216	\$2,594,500	\$134,928	\$251,919	\$392,968	\$178,500	\$39,016	\$4,272,977	\$31,260,935	\$15,654,784	\$2,146,078	\$11,904,813	\$946,900	\$408,360
4	\$263,351	\$54,614	\$585,185	\$114,085	\$68,129	\$118,847	\$56,114	\$82,444	\$357,032	\$8,685,907	\$1,947,820	\$335,843	\$6,244,528	\$89,871	\$67,945
5	\$12,644	\$2,700	\$49,316	\$9,301	\$6,700	\$12,800	\$7,080	\$5,338	\$26,450	\$374,582	\$186,792	\$35,286	\$134,557	\$7,050	\$10,897
6	\$5,342	\$7,540	\$7,540			\$5,897	\$425	\$2,105	\$12,136	\$35,444	\$10,746	\$775	\$22,423	\$900	\$600
7	\$155,285	\$27,596	\$339,375	\$71,201	\$41,170	\$41,827	\$29,408	\$32,479	\$189,195	\$2,103,394	\$997,596	\$164,809	\$944,707	\$63,354	\$32,928
8	\$63,046	\$16,810	\$91,753	\$21,010	\$16,995	\$16,997	\$11,008	\$6,582	\$65,517	\$5,263,817	\$478,110	\$105,008	\$4,659,533	\$9,292	\$11,874
9															
10	\$14,874	\$702	\$50,465	\$3,951		\$13,896	\$540	\$7,556	\$27,743	\$238,328	\$61,136	\$6,154	\$168,675	\$1,970	\$393
11	\$3,910		\$5,268			\$1,917	\$279	\$253	\$200	\$33,802	\$4,813	\$1,000	\$27,989		
12	\$3,158	\$969	\$6,415	\$124	\$328	\$838	\$504	\$252	\$7,856	\$49,510	\$10,007	\$2,888	\$24,088	\$2,920	\$607
13	\$450		\$9,878			\$12,723	\$250	\$7,113	\$188,843	\$85,072	\$1,812	\$127,044			\$1,015
14	\$4,642	\$6,737	\$25,155	\$8,478	\$3,036	\$11,852	\$6,020	\$8,179	\$20,822	\$98,187	\$130,748	\$18,111	\$235,512	\$4,185	\$9,631
15	\$289,578	\$89,487	\$728,096	\$161,795	\$110,338	\$103,845	\$74,404	\$68,463	\$576,968						
16	348	38	492	72	34	100	46	84	270	4,716	2,634	521	1,411	122	131
17	23	11	21	12	9	11	7	8	22	1,007	623	131	198	16	39
18	15	9	3	8			5	3	9	652	470	98	46	8	30
19	12	2		4		3	4	2	3	289	183	74	18	6	10
20	1		6		3	2	1	2	6	114	43	11	51	4	6
21	7	2	12	4	6	7	3	7	7	241	110	22	101	4	4
22	5		9		6	13	92	25	4	13	92	25	4	1	1
23	320	25	462	60	25	82	39	74	235	3,620	1,886	386	1,152	105	91
24	320	25	219	22	16	82	39	57	137	2,094	593	224	1,152	49	76
25	28		243	38	9		17	98	1,526	1,293	162		56	15	
26	320	25	462	60	25	82	39	74	235	3,620	1,886	386	1,152	105	91
27	18	1	56	4		24		7	34	1,202	287	57	837	13	8
28	18	1	54	4		24		7	26	1,153	246	50	837	13	7
29		2						8	49	41		7			1
30	270	15	280	40	24	21	34	33	128	1,855	1,413	292		77	73
31	270	15	61	2	15	21	34	16	38	388	171	137		21	50
32			219	38	9			17	90	1,467	1,242	155		56	14
33	32	9	126	16	1	37	5	34	73	563	186	37	315	15	10
34	32	9	104	16	1	37	5	34	73	553	176	37	315	15	10
35			22							10					
36															
37	169	34	438	61	51	54	37	50	214	1,520	871	123	445	44	37
38	180	35	429	62	37	55	36	39	213	1,533	855	125	477	42	34
39	169	43	410	60	31	41	38	42	219	1,571	827	128	542	43	31
40	429	43	413	60	35	63	36	40	223	1,704	917	138	571	47	31
41	335	47	441	58	36	64	34	44	214	1,851	968	194	609	45	35
42	269	42	423	61	34	51	37	52	216	1,943	975	213	623	90	37
43	271	37	423	57	34	53	40	65	228	2,176	1,073	280	671	91	52
44	284	25	422	54	35	52	54	206	2,373	1,200	297		721	90	65
45	293	24	427	56	28	56	75	54	208	2,482	1,238	300	772	93	59
46	311	23	392	42	20	74	36	52	217	2,612	1,317	276	860	98	61
47	225	19	411	59	22	63	37	51	217	2,650	1,221	263	970	104	62
48	225	21	451	58	25	69	34	51	227	2,639	1,227	226	1,025	104	57
49	3,492	1,464	21,701	1,160	1,138	18,000	1,264	2,369	82,894	235,311	58,014	36,871	103,281	8,129	36,216
50	1,372	1,664	18,661	1,160	1,138	4,200	1,258	1,569	62,774	161,122	49,364	32,213	51,750	7,769	20,028
51	2,120	100	3,040			13,800	6	800	120	74,189	8,650	7,458	51,531	360	6,190
52	2,682	1,304	13,456	1,160	1,138	18,000	1,264	2,369	33,678	225,080	55,453	38,061	103,281	1,749	25,936
53	562	1,204	10,416	1,160	1,138	4,200	1,258	1,500	33,558	131,256	46,808	31,203	51,750	1,749	19,746
54	2,120	100	3,040			15,800	6	800	120	73,824	8,645	7,458	51,531		6,190
55			5,070							760	400			360	
56	810	160	3,175					63	29,216	9,471	2,161	1,010		6,020	280
57	1,214	144	727	79		790	50	126	645	18,826	9,660	2,458	6,517	120	71

<sup>1</sup>In some cases the same operator conducted two or more enterprises producing different kinds of products, all enterprises being managed through one central administrative office. The total office expenses were accordingly apportioned among the several industries in proportion to the total expenses of each and the estimated amounts of such administrative expenses were added to "sundry expenses" for each industry. In the totals for all enterprises, however, the expenses appear under the proper headings. The amounts included in "Rent of offices and other sundry expenses" for individual industries and properly distributed in the total for all industries are as follows: Salaried officers of corporations, superintendents, and managers, \$77,100; clerks and other salaried employees, \$97,574; and contract work, \$80,624.

<sup>2</sup>The following numbers of persons, which could not be distributed among the several industries, are included under the proper headings in the totals for all enterprises: Aggregate, 10; salaried officers of corporations, 4; superintendents and managers, 8; and clerks and other salaried employees, 94.

<sup>3</sup>In the gold and silver (deep mines) industry, 2 boys were employed below ground.



# INDEX TO THE ABSTRACT TABLES.

## POPULATION.

NOTE.—Statistics are given somewhat more frequently for cities of 100,000 inhabitants and over than for those of 25,000 to 100,000 inhabitants. Where an asterisk (\*) follows the reference, cities of 25,000 inhabitants and upward are included, otherwise the figures relate only to cities having 100,000 inhabitants or more.

SUBJECT.	STATISTICS FOR—				SUBJECT.	STATISTICS FOR—			
	United States.	Divisions.	States.	Cities (see note above).		United States.	Divisions.	States.	Cities (see note above).
Ages, statistics of.....	Page.	Page.	Page.	Page.	Italy. See entries under Country.	Page.	Page.	Page.	Page.
—illiterates.....	122-132	131	133	139, 144*	Japan. See entries under Country.	77-82	82	82	.....
—marital condition.....	241	.....	.....	.....	—illiterates.....	239-242	.....	.....	.....
—school attendance.....	149	224	224	.....	—males 21 years of age and over.....	107, 110	110	110	.....
—urban and rural population.....	129	137	.....	.....	—marital condition.....	149	.....	.....	.....
Alaska, population. See pp. 22 and 52.	108	117	117	117, 114*	—school attendance.....	219, 221	.....	.....	.....
Aliens, foreign-born white males.....	26, 27	29	26, 27	.....	—sex.....	97	99	99	.....
Apportionment.....	28, 29	29	29	.....	See also entries for the group, Indians, Chinese, Japanese, and other Asiatics.	.....	.....	.....	.....
Austria, mother tongue of persons born in.....	193	193	.....	.....	Males, 21 years of age and over.....	107-110	110	110	113, 114*
Belgium. See entries under Country.	79	.....	.....	.....	—18 to 44 years of age.....	119	119	119	.....
Blacks.....	79	.....	.....	.....	Marital condition.....	146-156	156	160	164, 165*
Bulgaria, Servia, and Montenegro. See entries under Country.	30	.....	.....	.....	—urban and rural population.....	163	.....	.....	.....
Canada. See entries under Country.	77-82	82	82	.....	Married persons. See Marital condition.	.....	.....	.....	.....
Center of population.....	239-242	.....	.....	.....	Metropolitan districts. See p. 62.	.....	.....	.....	.....
China. See entries under Country.	107, 110	110	110	.....	Mexico. See entries under Country.	.....	172	.....	.....
Chinese, number.....	149	.....	.....	.....	Migration of native population, by divisions.....	179	179	179	.....
—illiterates.....	219, 221	.....	.....	.....	—by states.....	119	119	119	.....
—males 21 years of age and over.....	97	99	.....	.....	Militia age, males of.....	179	179	179	.....
—marital condition.....	.....	.....	.....	.....	Mother tongue, persons born in Austria, Germany, Hungary, and Russia.....	192	192	.....	.....
—school attendance.....	.....	.....	.....	.....	Mulattoes.....	79	.....	.....	.....
—sex.....	.....	.....	.....	.....	Native born.....	77-83	83	83	.....
See also entries for the group, Indians, Chinese, Japanese, and other Asiatics.	.....	.....	.....	.....	Native population, born in each division.....	170-174	170-174	179	.....
Cities, population.....	59-75	117	117	117, 114*	—born in each state.....	170-174	170-174	.....	.....
Citizenship, foreign-born white males.....	108	.....	.....	.....	—living in each division.....	170-174	170-174	.....	.....
Countries, population. See p. 32.	188-191	196-198	204	210, 211*	—living in each state.....	179	179	.....	.....
Country of birth, foreign born.....	200	301	.....	.....	Native whites.....	77, 80	83	83	.....
—urban and rural population.....	194	198, 202	.....	.....	—foreign or mixed parentage, country of origin.....	194-208	208	208	.....
Country of origin, foreign white stock.....	208	208	208	.....	—foreign parentage.....	77, 80	83	83	.....
—native whites of foreign or mixed parentage.....	.....	.....	.....	.....	Native whites, foreign or mixed parentage, as a population class, number.....	77-83	83	83, 95	95*
Cuba and other West Indies. See entries under Country.	.....	.....	.....	.....	—ages.....	122, 128	131	133	.....
Denmark. See entries under Country.	28, 29	29	29	.....	—cities of specified size, number in.....	92	92	.....	.....
Density of population.....	174	174	.....	.....	—females 21 years of age and over.....	118	118	118	.....
Division of birth, native population.....	259, 260	260	260	261*	—illiterates, 10 years of age and over.....	239-249	245, 249	245	245, 250, 251*
Divorced persons. See Marital condition.	260	260	.....	.....	—10 to 14 years.....	254	256	257	.....
Dwellings.....	260	260	.....	.....	—males 21 years of age and over.....	255, 256	256	257	.....
England. See entries under Country.	259, 260	260	260	261*	—males 21 years of age and over.....	110	110	110	113, 114*
Families.....	260	260	.....	.....	—males 18 to 44 years of age.....	119	119	119	.....
—urban and rural population.....	260	260	.....	.....	—marital condition.....	149-156	156	.....	.....
Females 21 years of age and over (see also Sex).	118	118	118	.....	—school attendance.....	219-237	227-229	231, 233*	.....
Finland. See entries under Country.	77-83	83	83	.....	—sex.....	100, 101	100, 101	100, 101	.....
Foreign born.....	188-191	196-198	204	210, 211*	—urban and rural population.....	92	92	.....	.....
—country of birth.....	77-83	83	83, 95	95*	Native whites, mixed parentage.....	77, 80	83	83	.....
Foreign-born whites.....	194-200	198-202	.....	.....	Native whites, native parentage.....	.....	.....	.....	.....
—year of arrival.....	216	216	216	218	—population class. See entries under Native whites, foreign or mixed parentage.	.....	.....	.....	.....
Foreign-born whites as a population class, number.....	77-83	83	83, 95	95*	Naturalized foreign-born white males.....	108	117	117	117, 114*
—ages.....	122, 128	131	133	.....	Negro population, state of birth.....	180	180	180	.....
—cities of specified size, number in.....	92	92	.....	.....	Negroes as a population class. See entries under Native whites, foreign or mixed parentage.	.....	.....	.....	.....
—females 21 years of age and over.....	118	118	118	.....	Netherlands. See entries under Country.	.....	.....	.....	.....
—illiterates, 10 years of age and over.....	239-249	245, 249	245	245, 250, 251*	Norway. See entries under Country.	22-26	26	26	65*
—10 to 14 years.....	254	256	257	.....	Number of inhabitants.....	56	56	56	.....
—males 21 years of age and over.....	255, 256	256	257	.....	—urban and rural population.....	.....	.....	.....	.....
—males 21 years of age and over.....	110	110	110	113, 114*	Population. See Number of inhabitants.	.....	.....	.....	.....
—males 18 to 44 years of age.....	119	119	119	.....	Porto Rico, population. See pp. 22 and 53.	.....	.....	.....	.....
—marital condition.....	149-156	156	.....	.....	Portugal. See entries under Country.	.....	.....	.....	.....
—school attendance.....	219-237	227-229	231, 233*	.....	Roumania. See entries under Country.	.....	.....	.....	.....
—sex.....	100, 101	100, 101	100, 101	.....	Rural population. See Urban and rural population.	.....	.....	.....	.....
—urban and rural population.....	92	92	.....	.....	Russia, mother tongue of persons born in.....	193	193	.....	.....
Native whites, mixed parentage.....	77, 80	83	83	.....	School attendance.....	219-238	224-229	231-235	231, 233*
Native whites, native parentage.....	.....	.....	.....	.....	Scotland. See entries under Country.	.....	.....	.....	.....
—population class. See entries under Native whites, foreign or mixed parentage.	.....	.....	.....	.....	Sex.....	97-103	99-103	100, 101	104*
Naturalized foreign-born white males.....	108	117	117	117, 114*	—ages.....	122, 126	.....	.....	139
Negro population, state of birth.....	180	180	180	.....	—illiterates.....	241	.....	.....	.....
Negroes as a population class. See entries under Native whites, foreign or mixed parentage.	.....	.....	.....	.....	—marital condition.....	146-153	156	160	164, 165*
Netherlands. See entries under Country.	.....	.....	.....	.....	—school attendance.....	220-237	225	225	.....
Norway. See entries under Country.	22-26	26	26	65*	—urban and rural population.....	103	103	.....	.....
Number of inhabitants.....	56	56	56	.....	Single persons. See Marital condition.	.....	.....	.....	.....
—urban and rural population.....	.....	.....	.....	.....	Spain. See entries under Country.	179	179	179	.....
Population. See Number of inhabitants.	.....	.....	.....	.....	State of birth of native population.....	22	22	22	.....
Porto Rico, population. See pp. 22 and 53.	.....	.....	.....	.....	States, rank in population.....	.....	.....	.....	.....
Portugal. See entries under Country.	.....	.....	.....	.....	Sweden. See entries under Country.	.....	.....	.....	.....
Roumania. See entries under Country.	.....	.....	.....	.....	Switzerland. See entries under Country.	.....	.....	.....	.....
Rural population. See Urban and rural population.	.....	.....	.....	.....	Turkey. See entries under Country.	.....	.....	.....	.....
Russia, mother tongue of persons born in.....	193	193	.....	.....	Urban and rural population, number.....	55, 56	56	56	.....
School attendance.....	219-238	224-229	231-235	231, 233*	—ages.....	130, 137	137	.....	.....
Scotland. See entries under Country.	.....	.....	.....	.....	—foreign-born whites, country of birth.....	210	201	.....	.....
Sex.....	97-103	99-103	100, 101	104*	—year of arrival.....	218	218	.....	.....
—ages.....	122, 126	.....	.....	.....	—illiterates.....	249	112	112	.....
—illiterates.....	241	.....	.....	.....	—males 21 years of age and over.....	112	112	.....	.....
—marital condition.....	146-153	156	160	164, 165*	—marital condition.....	163	.....	.....	.....
—school attendance.....	220-237	225	225	.....	—population classes.....	163	92	92	.....
—urban and rural population.....	103	103	.....	.....	—school attendance.....	221, 222	229	.....	.....
Single persons. See Marital condition.	.....	.....	.....	.....	—sex.....	103	103	.....	.....
Spain. See entries under Country.	179	179	179	.....	Voting age, males of.....	110	110	110	113, 114*
State of birth of native population.....	22	22	22	.....	—urban and rural population.....	112	112	.....	.....
States, rank in population.....	.....	.....	.....	.....	Wales. See entries under Country.	.....	.....	.....	.....
Sweden. See entries under Country.	.....	.....	.....	.....	White population, native, state of birth.....	180	180	180	.....
Switzerland. See entries under Country.	.....	.....	.....	.....	Whites.....	77-82	82	82	.....
Turkey. See entries under Country.	.....	.....	.....	.....	Widowed persons. See Marital condition.	.....	.....	.....	.....
Urban and rural population, number.....	55, 56	56	56	.....	.....	.....	.....	.....	.....
—ages.....	130, 137	137	.....	.....	.....	.....	.....	.....	.....
—foreign-born whites, country of birth.....	210	201	.....	.....	.....	.....	.....	.....	.....
—year of arrival.....	218	218	.....	.....	.....	.....	.....	.....	.....
—illiterates.....	249	112	112	.....	.....	.....	.....	.....	.....
—males 21 years of age and over.....	112	112	.....	.....	.....	.....	.....	.....	.....
—marital condition.....	163	.....	.....	.....	.....	.....	.....	.....	.....
—population classes.....	163	92	92	.....	.....	.....	.....	.....	.....
—school attendance.....	221, 222	229	.....	.....	.....	.....	.....	.....	.....
—sex.....	103	103	.....	.....	.....	.....	.....	.....	.....
Voting age, males of.....	110	110	110	113, 114*	.....	.....	.....	.....	.....
—urban and rural population.....	112	112	.....	.....	.....	.....	.....	.....	.....
Wales. See entries under Country.	.....	.....	.....	.....	.....	.....	.....	.....	.....
White population, native, state of birth.....	180	180	180	.....	.....	.....	.....	.....	.....
Whites.....	77-82	82	82	.....	.....	.....	.....	.....	.....
Widowed persons. See Marital condition.	.....	.....	.....	.....	.....	.....	.....	.....	.....

## AGRICULTURE.

SUBJECT.	STATISTICS FOR—			SUBJECT.	STATISTICS FOR—		
	United States.	Divisions.	States.		United States.	Divisions.	States.
Acreage, average per farm.....	Page. 265, 281-283	Page. 280, 283	Page. 280	Ginseng.....	Page. 408	Page. 408	Page. 408
— irrigated.....	423	423	423	Goats and kids, on farms.....	330, 331	331	332
— size of farms, classification.....	303, 304	304	306	— on farms and not on farms.....	340	340	340
— total in farms.....	265-269, 281-283	269, 283	269	— not on farms.....	338	338	338
— white and colored farmers in the South. <i>See</i> p. 301.				Gooseberries.....	409	409	410
Alfalfa.....	308	308	308	— irrigated acreage.....	391	398	398
— irrigated acreage.....	430, 431	431	431	Grapefruit.....	415	414	415
Alfalfa seed.....	416	416	416	Grapes.....	392, 394	395	394
Almonds.....	411	411	411	Guavas.....	416	416	416
Apples.....	414	414	414	Guinea fowls. <i>See</i> Poultry.			
Apricots.....	320, 322	321, 322	322	Hay and forage.....	371	371	371
Asses and burros, on farms.....	340	340	340	— sales of.....	408	408	408
— not on farms.....	338	338	338	Hemp.....	355	356	356
Austria, farmers born in.....	298	298	298	Hemp seed.....	408	408	408
Avocado pears.....	416	416	416	Honey and wax.....	320-322	321, 322	322
Bananas.....	416	416	416	Hops.....	391	391	391
Barley.....	376, 386	386	386	Horses, on farms.....	338	338	338
— irrigated acreage.....	439	439	439	— on farms and not on farms.....	398	398	398
— sales of.....	371	371	371	— not on farms.....	298	298	298
Beans, dry edible.....	392	392	392	Hungarian grass.....	288	288	288
Bees.....	312, 312	312, 312	312, 336	Hungary, farmers born in.....	285	285	285
Blackberries and dewberries.....	336, 357	336, 357	336, 357	Implements and machinery.....	277-284	277-284	277, 280
Broom corn.....	408	408	408	Improved land.....	265, 269, 281, 283	269, 283	269
Broom-corn seed.....	395	395	395	Indian farmers.....	298	298	298
Buckwheat.....	390	390	390	Ireland, farmers born in.....	298	298	298
Buildings, value.....	285, 277, 280	277, 280	277, 280	Irrigation.....	423-429	423-429	423-429
Burros. <i>See</i> Asses and burros.				Italy, farmers born in.....	298	298	298
Butter.....	345-349	345-349	348, 349	Japanese farmers.....	298	298	298
Butter fat.....	347	347	347	Kafir corn and milo maize.....	291	291	291
Cash tenants.....	285	285	285	Kanquats.....	415	415	415
Cattle, on farms.....	314-316	315, 316	316	Land on farms.....	372, 374	372, 374	373
— on farms and not on farms.....	340	340	340	Land and buildings.....	281-288	288	290
Cereals.....	376, 377	377	377	Land area.....	269, 261	269	269
Cheese.....	345-349	345-349	347-349	Land in farms.....	265-269, 281-283	269, 283	269
Chickens. <i>See</i> Poultry.	413	413	413	— classified by size of farms.....	303, 304	304	306
Chicory.....	408	408	408	— tenure classes.....	285	286	290
Chinese farmers.....	298	298	298	Lemons.....	415	415	415
Chufas.....	408	408	408	Limes.....	415	415	415
Chufas seed.....	395	395	395	Live stock.....	285-284, 310-312	280, 312	280, 312
Citrouse fruits.....	415	415	415	Loquats.....	416	416	416
Clover.....	398	398	398	Mandarin.....	415	415	415
Clover seed.....	395	395	395	Mangoes.....	416	416	416
Coarse forage.....	398	398	398	Maple sugar and sirup.....	407	407	407
Color and nativity of farmers.....	297	297	297	Milk.....	345-348	345-348	347, 348
Colored farmers.....	297, 298	297, 298	297	Millet.....	393	393	393
Corn.....	378, 379	378, 379	379	Millet seed.....	395	395	395
— irrigated acreage.....	431	431	431	Min. ....	408	408	408
— sales of.....	371	371	371	Mohair.....	352	352	352
Cotton.....	404	404	404	Mortgages.....	293, 294	293, 294	294
Cotton seed.....	406	406	406	Mules, asses, and burros, on farms.....	330-322	320-322	322
Cranberries.....	410	410	410	— on farms and not on farms.....	340	340	340
Cream.....	408	408	408	— not on farms.....	338	338	338
Crops, all crops.....	360, 365	365	370	Mustard seed.....	395	395	395
— feedable, sales of.....	371	371	373	Native white farmers.....	297	297	297
— irrigated.....	429, 431	429	429	Negro farmers.....	298	298	298
— sales of.....	371	371	371	Netherlands, farmers born in.....	298	298	298
Currants.....	409	409	410	Norway, farmers born in.....	298	298	298
Dairy products.....	345-347	345-347	347, 348	Nursery products.....	419	419	419
Dates.....	416	416	416	Nuts.....	376, 382, 383	382, 383	383
Denmark, farmers born in.....	298	298	298	Oats.....	416	416	416
Ditches for irrigation.....	422, 426	426	426	— irrigated acreage.....	371	371	371
Domestic animals, on farms.....	311, 312	312	312	— sales of.....	416	416	416
— on farms and not on farms.....	340	340	340	Olives.....	416	416	416
— not on farms.....	338	338	338	Oranges.....	412	412	412
Domestic animals, poultry, and bees.....	265, 277	277, 284	277	Peaches and nectarines.....	393	393	393
Domestic animals sold and slaughtered.....	281, 284	284	284	Peanuts.....	412	412	412
Ducks. <i>See</i> Poultry.	356	357	358	Pears.....	412	412	412
Eggs.....	353-355	353-355	355	Peas.....	416	416	416
Emmer and spelt.....	390	390	390	Pecans.....	416	416	416
England, farmers born in.....	298	298	298	Persian or English walnuts.....	416	416	416
Farm mortgages.....	294	294	294	Persimmons.....	416	416	416
Farm property, value.....	265, 276	276	276	Pineapples.....	416	416	416
Farmers, by race and nativity.....	297, 298	297, 298	297	Pinks and prunes.....	413	413	413
Farms, average acreage.....	280-283	280, 283	280	Poland, farmers born in.....	298	298	298
— classified by size.....	303, 304	304	306	Pomegranates.....	416	416	416
— irrigated.....	423	423	423	Pomeles.....	399, 400	399, 400	400
— number.....	265-268, 281, 283	268, 283	268	Potatoes.....	431	431	431
— tenure classes.....	288	288	288	— irrigated acreage.....	312, 312, 334-336, 353-355	312, 312, 334-336, 353-355	312, 336
Feed.....	371	371	373	Poultry.....	416	416	416
Feedable crops. <i>See</i> Crops.				Production. <i>See</i> Individual crops and items of live stock products.....	422, 426	426	426
Fertilizers.....	372	372	373	Pumping plants for irrigation.....	414	414	414
Figs.....	416	416	416	Quinces.....	409	409	410
Flaxseed.....	394	394	394	Raspberries and loganberries.....	422, 426	426	426
Flower and vegetable seeds.....	404	404	404	Reservoirs for irrigation.....	376, 394	394	394
Flowers and plants.....	419	419	419	Rice.....	432	432	432
Foreign-born white farmers.....	297	297	297	— farms irrigated.....	398	398	398
Forest products of farms.....	419	419	419	Road forage.....	265, 268	268	268
France, farmers born in.....	298	298	298	Rural population.....	396, 398	398	398
Fruit, orchard.....	411	411	411	Russia, farmers born in.....	431	431	431
— small.....	409	409	410	Rye.....	416	416	416
Geese. <i>See</i> Poultry.				— irrigated acreage.....	298	298	298
Germany, farmers born in.....	298	298	298	Scotland, farmers born in.....	298	298	298



## AGRICULTURE—Continued.

SUBJECT.	STATISTICS FOR—			SUBJECT.	STATISTICS FOR—		
	United States.	Divisions.	States.		United States.	Divisions.	States.
Share tenants.....	Page. 285			Tenure classes.....	Page. 285-290	Page. 285-290	Page. 290
Sheep, on farms.....	330-332	331, 332	332	Timothy.....	398	398	.....
— on farms and not on farms.....	330	330	330	Timothy and clover mixed.....	398	398	.....
— not on farms.....	335	335	335	Timothy seed.....	395	395	.....
— shearing age.....	350-352	350-352	352	Tobacco.....	403	403	.....
Size of farms.....	303, 304	304	306	Tobacco seed.....	395	.....	395
Sorghum cane.....	405	407	407	Turkeys. See Poultry.			
Sorghum cane seed.....	395	.....	395	Value. See Individual crops and items of farm property.			
Straw sold.....	408	408	.....	Vegetables.....	402	402	402
Strawberries.....	409	409	.....	Wages, farmers born in.....	298	298	.....
Sugar beets.....	407	407	407	Walnuts.....	416	.....	416
— irrigated acreage.....	431	.....	.....	Wax.....	356	356	356
Sugar cane.....	406	.....	406	Wells for irrigation.....	422, 426	.....	426
Sundowner seed.....	395	.....	395	Wheat.....	380, 381	380, 381	381
Sweden, farmers born in.....	299, 401	299, 401	401	— irrigated acreage.....	431	.....	.....
Sweet potatoes and yams.....	327, 328	327, 328	328	White farmers.....	298	.....	.....
Swine, on farms.....	340	340	340	Wild, soil, or prairie grasses.....	398	.....	.....
— on farms and not on farms.....	340	.....	340	— irrigated acreage.....	431	.....	.....
Switzerland, farmers born in.....	298	298	338	Willows.....	408	.....	408
Tangerines.....	415	.....	415	Wool.....	350-352	350-352	352
Tenels.....	408	.....	408				

## MANUFACTURES—SUBJECTS.

SUBJECT.	STATISTICS FOR—					SUBJECT.	STATISTICS FOR—				
	United States.	States.	All combined.	Leading.	Individual.		United States.	States.	All combined.	Leading.	Individual.
Capital.....	Page. 438					Rank of industries.....	Page. 438, 525	Page. 525	Page. 438, 514	Page. 442	Page. 514
Cities, 10,000 inhabitants and over.....	438, 525	525	438, 514	514	514	Salaries employees.....	438, 525	525	438, 514	514	514
— principal.....	529	.....	.....	.....	.....	Salaries, officers of corporations.....	432	.....	432	453	514
Clerks.....	401	.....	452	453	.....	Salaries, payments for.....	438, 525	525	438, 514	514	514
Corporations, establishments operated by.....	401-403	403	401, 402	402	.....	Sex of wage earners.....	457	.....	457	455	.....
Electric motors.....	471-474	474	471-474	472	.....	Steam engines.....	471-474	474	471-474	472	.....
Establishments, number.....	438-445	445, 525	438-445	442, 514	514	Superintendents and managers.....	432	.....	432	453	.....
— cities grouped by size.....	451	.....	.....	.....	.....	Value added by manufacture.....	439-445	445	438, 514	442	514
— cities of 10,000 inhabitants.....	529	.....	.....	.....	.....	— cities grouped by size.....	451	.....	.....	.....	.....
— cities, principal.....	528	.....	.....	.....	.....	— cities of 10,000 inhabitants.....	529	.....	.....	.....	.....
— classes of ownership.....	401, 463	463	401	.....	.....	— cities, principal.....	528	.....	.....	.....	.....
— classified by number of wage earners.....	468, 469	469	468	468	.....	— classes of ownership.....	401, 463	463	401	.....	.....
— classified by value of product.....	465, 467	467	465	465	.....	Value of products.....	439, 525	525	439, 514	514	514
— producing products of \$1,000,000.....	438	.....	.....	.....	.....	— cities grouped by size.....	451	.....	.....	.....	.....
Expenses.....	470, 471	471	438, 470	470	.....	— cities of 10,000 inhabitants.....	529	.....	.....	.....	.....
— miscellaneous.....	438	.....	.....	.....	.....	— cities, principal.....	528	.....	.....	.....	.....
Firms, establishments operated by.....	471-474	474	471-474	472	.....	— classes of ownership.....	401, 463	463	401	.....	.....
Horsepower, total primary.....	472-474	474, 525	472, 514	472, 514	514	Wage earners, average number.....	439, 525	525	439, 511	514	514
Individuals, establishments operated by.....	401	.....	416	.....	.....	— cities grouped by size.....	451	.....	.....	.....	.....
Materials, cost of.....	438, 525	525	439, 511	514	514	— cities of 10,000 inhabitants.....	529	.....	.....	.....	.....
Ownership, classes of.....	401, 463	463	401	.....	.....	— cities, principal.....	528	.....	.....	.....	.....
Persons engaged in industry.....	438, 525	525	432, 514	514	514	Classes of ownership.....	401, 463	463	401	.....	.....
Products, value of.....	438, 525	525	439, 514	514	514	— 16 years of age and over, by sex.....	455-457	457	.....	455	.....
— cities grouped by size.....	451	.....	.....	.....	.....	— under 16 years of age.....	457	457	.....	455	.....
— cities of 10,000 inhabitants.....	529	.....	.....	.....	.....	Wages paid.....	438	525	438, 514	514	514
— cities, principal.....	528	.....	.....	.....	.....	Water motors.....	471-474	474	471-474	472	.....
Proprietors and firm members.....	438, 525	525	432, 514	514	514	Water wheels.....	471-474	474	471-474	472	.....

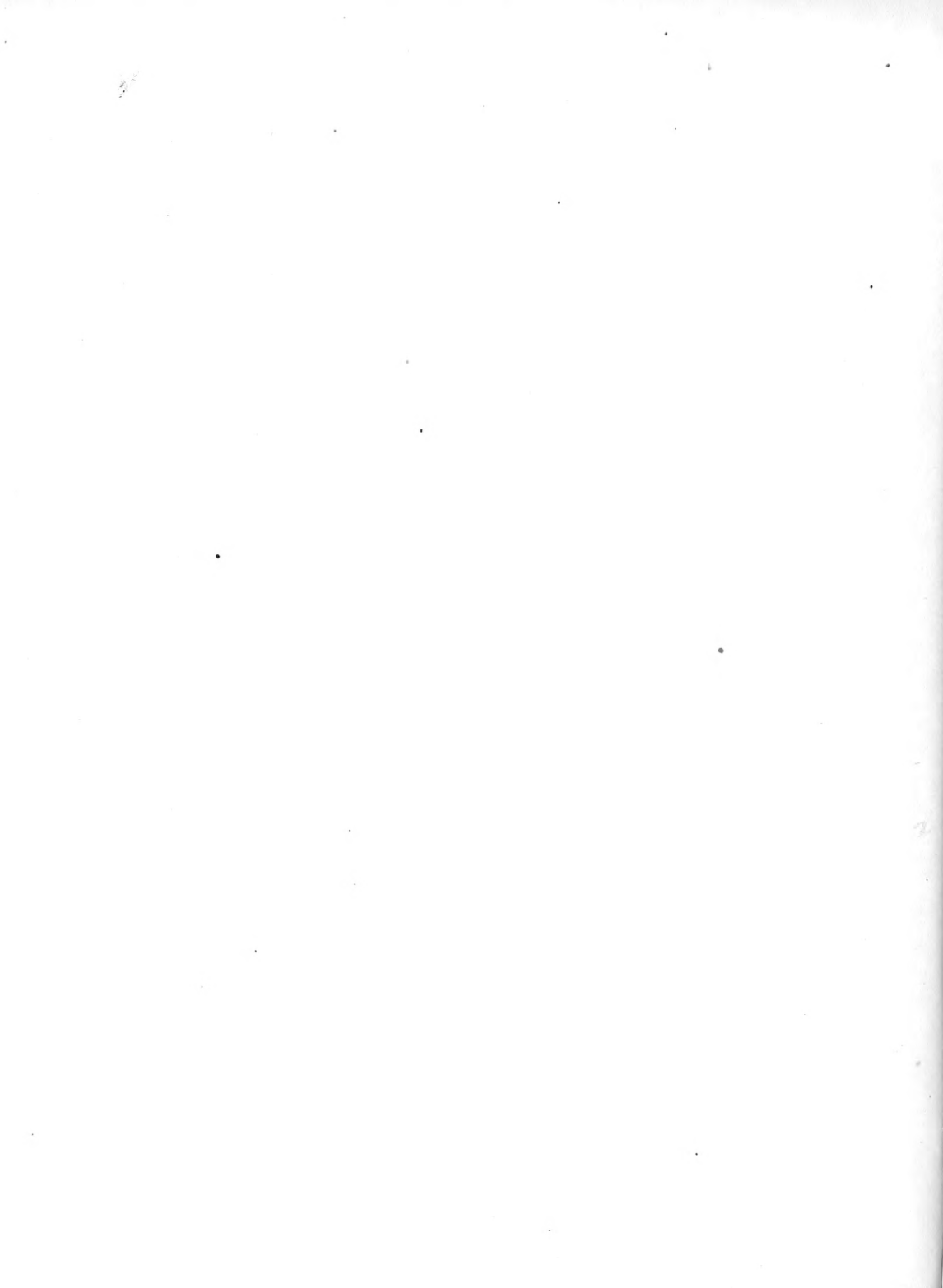
## MANUFACTURES—INDUSTRIES.

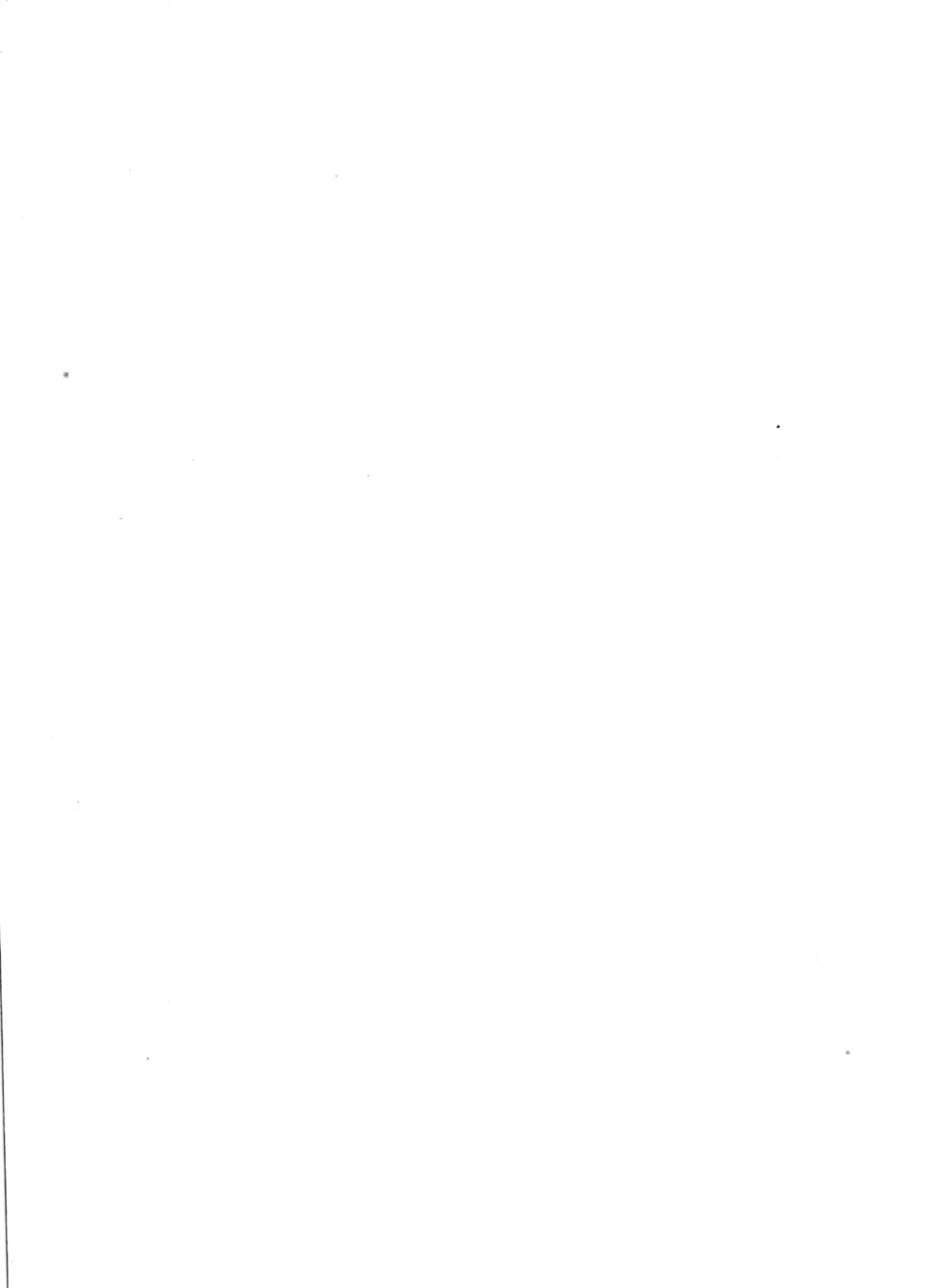
	Page.		Page.
Agricultural implements.....	442, 453, 455, 465, 468, 470, 472, 507, 514	Boots and shoes, including cut stock and findings.....	442
Artificial flowers and feathers and plumes.....	456, 514	— rubber.....	453, 455, 460, 465, 468, 470, 472, 494, 514
Artificial stone.....	460, 514	Boxes, cigar.....	456, 514
Artists' materials.....	514	— fancy and paper.....	456, 514
Automobiles, including bodies and parts.....	442, 453, 455, 465, 468, 470, 472, 505, 514	Brass and bronze products.....	442, 453, 455, 465, 468, 470, 472, 511
Awnings, tents, and sails.....	456, 514	Bread and other bakery products.....	442, 455, 456, 460, 465, 468, 470, 472, 511
Awls.....	514	Brick and tile.....	460, 505, 511
Babbit metal and solder.....	456, 514	Brooms and brushes.....	514
Bags, other than paper.....	456, 514	Butter, cheese, and condensed milk.....	442, 453, 455, 465, 468, 470, 472, 475, 514
— paper.....	456, 514	Butter, reworking.....	514
Baking powders and yeast.....	514	Buttons.....	456, 514
Baskets, and rattan and willow ware.....	456, 514	Calcium lights.....	514
Beet sugar.....	460, 479, 514	Candles.....	514
Belt and hose, leather.....	514	Canning and preserving.....	442, 453, 455, 457, 458, 460, 470, 472, 476, 514
Bicycles, motorcycles, and parts.....	505, 514	Card cutting and desecrating.....	514
Billiard tables and materials.....	514	Carpets and rugs, other than rag.....	456, 480, 514
Blackening and cleansing and polishing preparations.....	514	Carpets, rag.....	514
Blending.....	514	Carriages and sleds, children's.....	514
Bone, carbon, and lamp black.....	514	Carriages and wagons and materials.....	505, 514



## MINING.

SUBJECT.	STATISTICS FOR—					SUBJECT.	STATISTICS FOR—				
	United States.	States.	Industries.				United States.	States.	Industries.		
			All combined.	Lead- ing.	Indi- vidual.				All combined.	Lead- ing.	Indi- vidual.
	Page.	Page.	Page.	Page.	Page.		Page.	Page.	Page.	Page.	Page.
Boys under 16 employed.....	549	549	549	549	549	Products, value of.....	541, 542, 545	542, 558	559, 563	542, 545	559, 563
Capital.....	541, 560	560	562	562	562	Proprietors and firm members.....	541, 545	561	549, 563	545	563
Clerks and other salaried employees.....	561	561	563	563	563	Quantity of minerals produced.....	548, 561	561	549, 563	563	563
Contract work, expense of.....	545, 561	561	559, 563	563	563	Royalties and rent of mines.....	541, 545	558	559, 563	559, 563	563
Corporations, enterprises conducted by.....	553	553	553	553	553	Salaried employees.....	545, 561	561	563	563	563
Electric motors.....	556	556	556	556	556	Salaried officers of corporations.....	548	561	563	563	563
Engineers, firemen, mechanics.....	549	549	549	549	549	Salaried officials.....	541, 560	560	562	562	562
Expenses of operation and development.....	541, 545, 560	560	562	562	562	Salaries and wages.....	557	558	559	559	559
— miscellaneous.....	541, 561	561	563	563	563	Services, payments for.....	541, 545	562	562	562	562
— principal items.....	557	558	559	559	559	Size of enterprises.....	554-556	554, 555	554	554	554
Firms, enterprises conducted by.....	553	553	553	553	553	Steam engines.....	556	556	556	556	556
Fuel and rent of power, cost of.....	560	560	562	562	562	Superintendents and managers.....	548, 556	556	556	556	556
Gas engines.....	556	556	556	556	556	Supplies and materials, cost.....	541, 545	560	562	562	562
Horsepower, total primary.....	541, 556, 557, 560	560	556, 563	556	563	Taxes.....	552	563	563	563	563
Hours of labor.....	551	551	551	551	551	Timber land.....	552	552	552	552	552
Individuals, enterprises conducted by.....	553	553	553	553	553	Value of products.....	541, 542, 545, 561	542, 558	559, 563	559, 563	563
Land controlled.....	552	552, 562	562	562	562	Wage earners.....	541, 542-545, 561	561	563	545	563
Mineral and oil land controlled.....	552	552	552	552	552	— above and below ground.....	542, 561	561	549	549	549
Miners, and miners' helpers, quarrymen, and stone cutters.....	549	549	549	549	549	— employed by months.....	550, 551	550, 551	551	551	551
Mines and quarries, number.....	542, 560	560	562	562	562	Wages.....	541, 560	560	562	562	562
Mines, quarries, and wells, number.....	541, 542	542	562	562	562	Water wheels.....	556	556	556	556	556
Operators, number of.....	542, 560	560	562	562	562	Wells, number.....	541, 542	542	542	542	542
Ore and natural gas purchased, cost.....	560	560	562	562	562						
Persons engaged in mining.....	541, 548, 561	561	563	563	563						









RETURN TO DESK FROM WHICH BORROWED

ENVIRONMENTAL INFORMATION

This book is due on the last date stamped below, or  
on the date to which renewed.  
Renewed books are subject to immediate recall.

~~FEB 4 1969~~

LD 21-40m-4,'64  
(E4555s10)476

General Library  
University of California  
Berkeley



RETURN TO the circulation desk of any  
University of California Library  
or to the

NORTHERN REGIONAL LIBRARY FACILITY  
Bldg. 400, Richmond Field Station  
University of California  
Richmond, CA 94804-4698

ALL BOOKS MAY BE RECALLED AFTER 7 DAYS

- 2-month loans may be renewed by calling  
(510)642-6753
- 1-year loans may be recharged by bringing  
books to NRLF
- Renewals and recharges may be made  
4 days prior to due date

DUE AS STAMPED BELOW

FEB 18 2003

